

## ACADEMIC YEAR 2020-21

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during 2020-21								
<b>BOOK CHAPTERS</b>								
S. No.	Name of the teacher	Title of the book	Title of the chapter	National / International	Year of publication	ISBN/ISSN number	Affiliating Institute at the time of publication	Name of the publisher
1	Anchal Mehta	Research Trends In Multidisciplinary Subjects	Aftermath Of Covid: A New Phase Of Globalisation	National	2021	978-93-90996-67-4	Mehr Chand Mahajan DAV College for Women	Archers And Elevators Publishing House, Bangalore
2	Amardeep Kaur	Ikali Da Kafla (Co-Edited)	Dr Jaspal Kaur Kang Da Samikhya Jagat	National	2021	978-93-91236-35-9	Mehr Chand Mahajan DAV College for Women, Chandigarh	Saptrishi Publication
3	Amardeep Kaur	Sahib -A-Kitab Guru Tegh Bahadur Ji	Guru Tegh Bahadur Di Bani Vich Naitikta Da Sankalap	National	2021	978-93-90814-28-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Srishti Prakashan
4	Anila Kumari	Edible Food Packaging	Consumer Acceptance To Commercial Applications Of Packaging Edibles	International	2021	978-981-16-2382-0	Mehr Chand Mahajan DAV College for Women, Chandigarh	Springer Nature
5	Bhavna Sood	Social Justice And Human Rights In India	Human Rights In India: The Journey So Far	National	2021	978-81-31611-51-7	Mehr Chand Mahajan DAV College for Women, Chandigarh	Rawat Publishers
6	Bhavna Sood	Human Rights, Youth And Drugs	Susceptibility Of Youth In The Use And Abuse Of Drugs In India	National	2021	978-81-945750-2-3	Mehr Chand Mahajan DAV College for Women, Chandigarh	Regal Publications, New Delhi
7	Bindu Sharma	War And Literature: A Global Perspective, Ed. By Manoj Kumar And Swati Kumari	War, Violence And Trauma In Ted Hughes' Poetry	National	2021	978-93-87945-94-4	Mehr Chand Mahajan DAV College for Women, Chandigarh	Yking Books, Jaipur
8	Indu Arora	Progress in Advanced Computing and Intelligent Engineering. Advances in Intelligent Systems and Computing	Performance Evaluation Of Vm Allocation Strategies On Heterogeneous Environments In Cloud Data Center	International	2021	Print 978-981-33-4298-9, Online 978-981-33-4299-6	Mehr Chand Mahajan DAV College for Women	Springer Singapore
9	Nitasha Khehra	Human Rights, Youth And Drugs	Psychosocial Correlates Of Drug Abuse	National	2021	978-81-945750-2-3	Mehr Chand Mahajan DAV College for	Regal Publications, New Delhi

							Women, Chandigarh	
10	Pallavi Kapila	Simmering Silences And Beneath: An Anthology Of Gender Issues In India	On The Spectrum: Revisiting The Sociological Perspective Of Sex V. Gender	National	2021	978-81-290-8048-299-1	Mehr Chand Mahajan DAV College for Women, Chandigarh	Arun Publishing House
11	Pooja Sharma	Pandemic And Livelihood Challenges: A New Normal	Art Teaching And Learning During Covid-19 Pandemic: Issues And Challenges	National	2021	987-93-90863-07-5	Mehr Chand Mahajan DAV College for Women, Chandigarh	National Press Associates
12	Pooja Sharma	Aayi Panthi Sagal Zmati	Artistic Approach To Guru Nanak'S Janamasakhi: A Source Of Visual Inspiration	National	2021	978-93-5205-387-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Lokgeet Parkashan
13	Pooja Sharma	Sahib- E- Kitab Guru Teg Bahadur	Guru Teg Bahadur Ji Chitrakala Te Prasang Vich	National	2021	978-93-90814-28-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Srishti Prakashan
14	Rati Arora	Social Justice And Human Rights In India	Behind The Stitches: A Case Study Of Home-Based Workers Working For Boutiques.	National	2021	978-81-316-1151-7	Mehr Chand Mahajan DAV College for Women, Chandigarh	Rawat Publications, Jaipur
15	Sandeep Kaur	Edible Food Packaging	Consumer Acceptance To Commercial Applications Of Packaging Edibles	International	2021	978-981-16-2382-0	Mehr Chand Mahajan DAV College for Women, Chandigarh	Springer Nature
16	Seema Kanwar	Aayi Panthi Sagal Jamati	गुरु नानक वाणी में दार्शनिक विचार	National	2021	978-93-5205-387-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Lokgeet Prakashan
17	Sunaina Jain	Simmering Silences And Beneath: An Anthology Of Gender Issues In India	Womanism: Navigations Through Indian Feminism	International	2021	978-81-269-3204-7	Mehr Chand Mahajan DAV College for Women, Chandigarh	Atlantic Publishers
18	Vandana Sharma	Edible Food Packaging	Consumer Acceptance To Commercial Applications Of Packaging Edibles	International	2021	978-981-16-2382-0	Mehr Chand Mahajan DAV College for Women, Chandigarh	Springer Nature
19	Zeenat Khan	Simmering Silences And Beneath: An Anthology Of Gender Issues In India	Gender Roles And Gendered Identities: A Review Of Socio-Spatial Matrix In India	National	2021	978-81-8048-299-1	Mehr Chand Mahajan DAV College for Women, Chandigarh	Arun Publications: Chandigarh

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during 2020-21**

**BOOKS**

S. No.	Name of the teacher	Title of the book	National / International	Year of publication	ISBN/ISSN number	Affiliating Institute at the time of publication	Name of the publisher
1	Amardeep Kaur	Ikali Da Kafla	International	2021	978-93-91236-35-9	Mehr Chand Mahajan DAV College For Women	Saptrishi Publication
2	Ishita Sharma	Nuclear And Particle Physics-I	National	2021	978-93-90758-42-5	Mehr Chand Mahajan DAV College For Women	Mohindra Publishing House
3	Komil Tyagi	Transgressing Gender Boundaries	International	2021	978-81-269-3204-7	Mehr Chand Mahajan DAV College for Women, Chandigarh	Atlantic Publishers
4	Manika Kohli	Inequality In India: Emerging Trends And Perspectives	International	2021	978-93-91385-02-6	Mehr Chand Mahajan DAV College for Women, Chandigarh	Corvette Press, New Delhi
5	Minakshi Rana	Inequality In India: Emerging Trends And Perspectives	International	2021	978-93-91385-02-6	Mehr Chand Mahajan DAV College for Women, Chandigarh	Corvette Press, New Delhi
6	Pallavi Gupta	Condensed Matter Physics- I	National	2021	978-93-90758-37-1	Mehr Chand Mahajan DAV College, Chandigarh	Mohindra Publishing House
7	Pooja Sharma	Sahib- E- Kitab Guru Teg Bahadur (Co- Edited)	National	2021	978-93-90814-28-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Srishti Prakashan
8	Renu Bala	Statistical Physics I	National	2021	978-93-90758-27-2	Mehr Chand Mahajan DAV College For Women	Mohindra Publishing House
9	Robina Singh	Sahib- E- Kitab Guru Teg Bahadur (Co- Edited)	National	2021	978-93-90814-28-2	Mehr Chand Mahajan DAV College for Women, Chandigarh	Srishti Prakashan
10	Runjun Sarma	Vibrations, Waves And E.M. Theory I	National	2021	978-93-90758-32-6	Mehr Chand Mahajan DAV College, Chandigarh	Mohindra Publishing House
11	Swati Khatta	Mechanics-I	National	2021	978-93-90758-36-4	Mehr Chand Mahajan DAV College For Women	Mohindra Publishing House
12	Zeenat Khan	Simmering Silences And Beneath: An Anthology Of Gender Issues In India	National	2021	978-81-8048-299-1	Mehr Chand Mahajan DAV College for Women, Chandigarh	Arun Publications: Chandigarh

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during 2020-21**

**CONFERENCE PROCEEDINGS**

S. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Bhavna Sood	Susceptibility Of Youth In The Use And Abuse Of Drugs In India	Human Rights Youth And Drugs	Two-Day International Conference On A Conversation For Change: Human Rights, Youth And Drugs	National	2021	8.79E+12	Mehr Chand Mahajan DAV College For Women, Chandigarh	Regal Publishers
2	Bindu Dogra	Inclusive And Quality Education: Case Analysis Of Delhi Government Schools	Quality Enhancement And Sustenance In Teacher Education	Quality Enhancement And Sustenance In Teacher Education: Trends, Challenges And A Way Ahead	National	2021	978-93-90758-19-7	Mehr Chand Mahajan DAV College for Women, Chandigarh	Mohindra Publishing House
3	Indu Arora	Performance Evaluation Of Vm Allocation Strategies On Heterogeneous Environments In Cloud Data Center	Proceedings Of Icacie 2020	International Conference On Advanced Computing And Intelligent Engineering	International	2021	ISSN: 2194-5357 ISBN: 9789813342986 (e-book)	Mehr Chand Mahajan DAV College for Women, Chandigarh	Springer
4	Kirti Singla	Development Of Brown Rice Kheer And Application Of Hurdle Technology For Its Stability At Room Temperature	Advances in Food Science and Technology (AFSTECH-2021) A part of CONIAPS-XXVII	27th International Conference Of International Academy Of Physical Sciences On "Advances In Food Science And Technology" (AFSTECH-2021)	International	2021	Not available	Mehr Chand Mahajan DAV College for Women, Chandigarh	North Eastern Hill University, Tura Campus, Meghalaya, India
5	Kirti Singla	Development Of Spinach Fortified Paneer	Applied Biosciences For Sustainable Development	Applied Biosciences For Sustainable Development	International	2021	Not available	Mehr Chand Mahajan DAV College for Women, Chandigarh	St. Pious X Degree College And PG College For Women, Hyderabad, India
6	Rati Arora	Social Justice And Human Rights In India	Offering Ornamental Textiles As	Fashion Apparel And Textiles INCFAT 21	International	2021	978-81-953853-8-6	Mehr Chand Mahajan DAV College for	Excellent Publishing



			A Devotional Practice					Women, Chandigarh	House, New Delhi
--	--	--	-----------------------	--	--	--	--	-------------------	------------------

# RESEARCH TRENDS IN MULTIDISCIPLINARY SUBJECTS

## VOLUME-2

Sruthi.S

Dr.D. David Winster Praveenraj

Dr. Vilas D.Doifode



**CONTENTS**

<b>S.NO</b>	<b>TITLE</b>	<b>PAGE NO</b>
<b>1</b>	<b>MEDICINAL PLANTS IDENTIFICATION USING DEEP LEARNING BASED NEURAL NETWORK CLASSIFIER</b> A.Pravin, C.Deepa	<b>1</b>
<b>2</b>	<b>BAPTIST PRESENCE IN NIGERIA: RELATIONSHIP WITH OTHER CHURCHES IN THE LIGHT OF 500TH ANNIVERSARY OF THE PROTESTANT REFORMATION</b> Adebayo Ola Afolaranmi	<b>13</b>
<b>3</b>	<b>AFTERMATH OF COVID: A NEW PHASE OF GLOBALISATION</b> Anchal Mehta, Richa Gupta	<b>17</b>
<b>4</b>	<b>STUDY ON IOT APPLICATIONS HEALTHCARE DEVELOPED USING PIEZOELECTRIC SENSORS</b> Arthi .R	<b>22</b>
<b>5</b>	<b>MATERNAL HEALTH STATUS - A CASE STUDY OF BIRBHUM DISTRICT, WEST BENGAL</b> Arunima Bhattacharya	<b>26</b>
<b>6</b>	<b>IMPACT OF E-BANKING ON TRADITIONAL BANKING SERVICES</b> Ashish Vishnoi	<b>32</b>
<b>7</b>	<b>HUMANITY IS TRUTH AND UNITY IS STRENGTH"- A TALE OF HUMANITY AND UNITY IN SELECT SHORT STORIES BY JATIN BALA</b> Asima Baral	<b>36</b>
<b>8</b>	<b>IMPACT OF SOCIAL MEDIA MARKETING ON CONSUMER BUYING BEHAVIOUR: AN EMPIRICAL STUDY</b> Asma K	<b>40</b>
<b>9</b>	<b>TYPE OF INVESTMENT</b> Christina Jeyadevi	<b>46</b>
<b>10</b>	<b>A STUDY ON CONSUMER AWARENESS AND ATTITUDES TOWARDS ONLINE FOOD ORDERING SYSTEM IN COIMBATORE CITY</b> D.Renukadevi, D. Santhanakrishnan	<b>50</b>
<b>11</b>	<b>KEY TRENDS TO KEEP AN EYE IN THE RENEWABLE ENERGY SECTOR</b> Yathi Ajay A V, Akhil Antony Alex	<b>55</b>
<b>12</b>	<b>COMMUNICATION TECHNOLOGICAL TRENDS AND IT'S ROLE IN EDUCATION</b> V.Murugan	<b>61</b>

**ARCHERS & ELEVATORS PUBLISHING HOUSE**

**NO.51 MM LAYOUT, 6<sup>th</sup> Cross**

**Hesaraghatta Main Road**

**Bangalore-560090(INDIA)**

**Mob: + 91 9164362263**

**E-mail: archerselevators@gmail.com**

**Website: www.aeph.in**

*Research Trends in Multidisciplinary Subjects - Volume-2*

© Archers and Elevators Publishing House

First Edition 2021

**ISBN: 978-93-90996-67-4**

**Price: Rs. 900/-**

All rights reserved. This book or parts therefore, may not be reproduced in any form or by any means, electronic or mechanical, including photocopying, recording or an information storage and retrieved system now known or to be invented, without written permission from copyright owners.

**PRINTED IN INDIA**

A & E printers, Bangalore-90.

**AFTERMATH OF COVID: A NEW PHASE OF GLOBALISATION****ANCHAL MEHTA**

ASSISTANT PROFESSOR

PG Department of Economics

MEHR CHAND MAHAJAN D.A.V. COLLEGE FOR WOMEN, CHANDIGARH

**RICHA GUPTA**

ASSISTANT PROFESSOR

Department of Commerce,

MEHR CHAND MAHAJAN D.A.V. COLLEGE FOR WOMEN, CHANDIGARH

**ABSTRACT**

Globalization is interconnecting the world in one village pointing accelerates the flow of goods & services, information, techniques across borders and has either positive or negative effects on various economies. Over the past three decades (from 1990-2020), globalization had immense impacts on world trade. Inter providing business without any tariff, movement of people, global communication were some of the positive impacts. The G7 economies covering their almost 60% of world supply and demand (GDP), 65% of world manufacturing, and 41% of world manufacturing exports. Now in the situation of the Covid-19 pandemic, when all the labour force was quarantine the sectors, regions and nations hit hardly depends upon their degree of integration in global production network. Now decisions running from to pointing point to expectations about the future of provide an understanding of the effects of COVID-19 on Globalisation.

**Keywords:** - Economic Development, Globalization, International Business, Covid-19, Global Recession.

**INTRODUCTION**

Over the past three decades (from 1990-2020), globalization had massive impacts on world trade, movement of people, global communication and each and every aspect of human life. In the year 2019 a pandemic, novel corona virus shocked the world and it disturbed the national businesses whether it is primary, manufacturing and service sector, human life, socially economically and politically. It can't be denied that Covid-19 has tried to destroy maximum economies on its global level. World Health Organization (WHO) considered, and then declared COVID-19 as a world health emergency (pandemic) in January 2020. Initially, it was detected in China in December 2019, and then it has its worst impact in Europe especially in Italy in March, then in the USA in April. All businesses all over the world are facing challenges with fear in the mind of declining of their revenues and job losses in some specific sectors. The US, China, Japan, Germany, Britain, France, and Italy are all in the top-ten most affected and the hardest-hit nations include the G7 plus China. It can be considered as the beginning of deglobalisation. Vietnam banned the export of rice; the US banned the export of masks etc. Every country is trying to develop the vaccine of covid-19 on their own. They are not thinking about to work on this mutually. But the disruption in the global supply chain has shattered industrial manufacturing around the world.

Many international meetings such as G-20, SAARC summits are organized virtually. Corona virus is a biological virus and considered as third world war in the form of Biological war. Covid-19 is harming the global economy; International Monetary Fund also degraded global growth. Stay-at-home policies planted the seeds of recession in developed countries, and there was a general consensus among economists that the world has entered into global recession. OECD projected the world economy to develop at 1.5 percent during 2020, beforehand they have estimated it 2.8%.

**OBJECTIVES OF THE STUDY**

The main objectives of the study are:

- To analyse the effect of Covid-19 on International Business and impact on various segments.
- To find out the Future aspect of Globalization.

**RESEARCH METHODOLOGY**

The paper is the result of a descriptive data on impact of Covid-19 on global economies. Paper is based on Secondary data like published annual reports, financial statements, journals and periodicals. Information was gathered from the project appraisal manual, WTO data release, policy manuals, text books journals and websites and entire banks website.



ਇਕੱਲੀ ਦਾ ਕਾਫ਼ਲਾ  
ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ



ਸੰਪਾਦਕ

ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ

**Ikali Da Kafla**  
**Dr. Jaspal Kaur Kaang**  
(Sanmaan Granth)

Edited by  
**Dr. Gurpreet Kaur**  
*Prof. DES-MDRC,*  
*Panjab University, Chandigarh*

**Dr. Amardeep Kaur**  
*Assistant Professor,*  
*Mehr Chand Mahajan DAV College,*  
*Sector 36, Chandigarh*

ISBN: 978-93-91236-35-9

**Edition 2021**

**International Publishers & Book Suppliers**

Saptrishi Publication approved by UGC

**Offices**

# Green Avenue, K.K. Road, Shri Muktsar Sahib

# Street 22466 133RD, Avenue South East, City : Kent,  
State: Washington, Zip Code 98042 (USA) Ph. +12532435688

#16, Fallowfield Road, LEICESTER- U.K. LES-6LQ



Published by

**Saptrishi Publication**

Plot No. 25/6, Industrial Area, Phase-2,

Near Tribune Chowk, Chandigarh.

E-mail:- [saptrishi94@gmail.com](mailto:saptrishi94@gmail.com)

94638-36591, 77174-65715

*All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system, without permission in writing from the Publisher and Editor.*

Visit us at: [www.saptrishipublication.com](http://www.saptrishipublication.com)



65.	Wishing Professor Kaang a Blissful Retirement! ; ਡਾ. ਗੁਰਿੰਦਰ ਸਿੰਘ ਮਾਨ, ਯੂ.ਐਸ.ਏ.	129
66.	ਦਿਭਤਾ ਅਤੇ ਸਿਰਭਤਾ ਦੀ ਮਿਸਾਲ ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਇੰਦਰਜੀਤ ਕੌਰ	130
67.	ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਇਕਬਾਲ ਸਿੰਘ ਖਿੱਲੋਂ	134

### ਭਾਗ ਚੌਥਾ - ਸਿਰਜਣਾ, ਸਨਮਾਨ ਤੇ ਸਮੀਖਿਆ

68.	ਕਾਵਿ ਚਿੱਤਰ- ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਦੇਵਿੰਦਰ ਬੀਬਾਪੁਰੀਆ ਤੇ ਕੁਲਵੰਤ ਰਫ਼ੀਕ	136
69.	ਬੋਲ ਜਿਨ੍ਹਾਂ ਦੇ ਜੀਵਣ... : ਡਾ. ਗੁਰਪਾਲ ਸਿੰਘ ਸੰਧੂ	137
70.	ਜਗਿਆਸੂ, ਖੋਜੀ ਤੇ ਸਮਰਪਿਤ ਅਧਿਆਪਕ : ਡਾ. ਸੁਖਦੇਵ ਸਿੰਘ ਸਿਰਸਾ	139
71.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੀ ਨਾਵਲ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ : ਡਾ. ਸੁਰਿੰਦਰ ਕੁਮਾਰ ਦਵੇਸ਼ਵਰ	141
72.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਬਹੁਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ : ਡਾ. ਉਮਾ ਸੇਠੀ	143
73.	ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ 'ਚ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਕਾਸ 'ਚ ਪ੍ਰੋ. ਕਾਂਗ ਦਾ ਯੋਗਦਾਨ: ਡਾ. ਯੋਗ ਰਾਜ	144
74.	ਬਬਦਾਂ ਦੀ ਲੋਅ: ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਸਰਬਜੀਤ ਸਿੰਘ	146
75.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ: ਬਹੁਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ : ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ	147
76.	ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੀ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ : ਡਾ. ਗੁਰਮੁਖ ਸਿੰਘ	149
77.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ - ਵਿਅਕਤੀਤਵ ਤੇ ਚਿੰਤਨ : ਡਾ. ਮਨਿੰਦਰ ਕੌਰ	157
78.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਸਮੀਖਿਆ ਜਗਤ : ਡਾ. ਅਮਰਦੀਪ ਕੌਰ	159
79.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਗਲਪ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ : ਡਾ. ਹਰਜੀਤ ਸਿੰਘ	163
80.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਸਾਹਿਤ ਚਿੰਤਨ : ਸੁਖਵੀਰ ਕੌਰ	169
81.	ਕਾਂਗ ਦੰਪਤੀ ਦੀ ਸਾਹਿਤ ਅਧਿਐਨ ਪ੍ਰਤਿਭਾ 'ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਵੇਕ' ਪੁਸਤਕ ਦੇ ਸੰਦਰਭ ਵਿਚ : ਡਾ. ਸੁਖਵਿੰਦਰ ਸਿੰਘ	172
82.	ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੁਆਰਾ ਹੱਥ ਲਿਖਤ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਦੀਆਂ ਪੁਰਾਤਨ ਬੀੜਾਂ ਦੀ ਸੰਭਾਲ ਲਈ ਬਹੁਮੁੱਲੀ ਸੇਵਾ : ਡਾ. ਅਮਰ ਸਿੰਘ	174

### ਭਾਗ ਪੰਜਵਾਂ - ਖੋਜਾਰਥੀਆਂ ਦਾ ਸਨੇਹ

83.	ਸੈਲਾਂ ਕਲਾ ਡਰਪੂਰ: ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਹਮੇਸ਼ ਰੰਗੀਲਾ	177
84.	ਕੁਝ ਯਾਦਾਂ ਮੈਡਮ ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੇ ਨਾਂ : ਡਾ. ਰਾਜਪ੍ਰੀਤ ਕੌਰ ਬੈਨੀਪਾਲ	179
85.	ਵਿਲੱਖਣ ਤੇ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਸ਼ਖ਼ਸੀਅਤ ਦੇ ਮਾਲਕ : ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਕਮਲਜੀਤ ਕੌਰ	182
86.	ਮੇਰੇ ਰੋਲ ਮਾਡਲ: ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਪੁਨੀਤ	185
87.	ਅਨੇਕਾਂ ਸਿਰਾਂ 'ਤੇ ਡਾ : ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਦੇਵਿੰਦਰਜੀਤ ਕੌਰ	187
88.	ਗੁਰੂ ਬਿਨ ਗਤ ਨਹੀਂ : ਡਾ. ਬਲਬੀਰ ਕੌਰ	189
89.	ਕਿਸੇ ਦੀ ਧਿਰ ਬਣ ਜਾਣ ਤੇ ਕਿਸੇ ਨੂੰ ਆਪਣੀ ਧਿਰ ਬਣਾ ਲੈਣ ਵਾਲੇ ਡਾ. ਕਾਂਗ: ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ	191





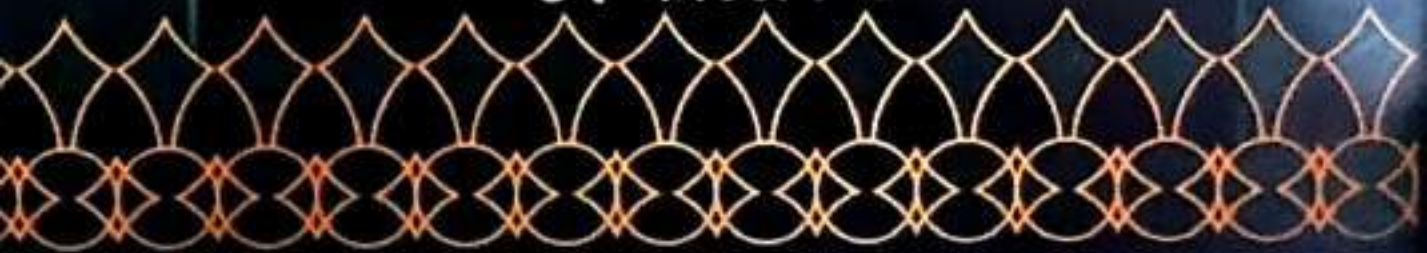




ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ  
ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

ਮੁਖਯ ਸੰਪਾਦਕ  
ਪ੍ਰੋਫ਼ੈਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ





ISBN:978-93-90814-28-2

Published, Printed & bound by

**SRISHTI PRAKASHAN**

Shop No 06, Star Complex 02

First Floor, Sector 41-B,

U.T. Chandigarh -160036, India

email : srishtiprakashanchd@gmail.com

website : www.srishtiprakashan.com

Ph. 0172-5017991, +91-97819-15473

Copyright : Prof. (Dr.) Rajinder Pal Singh 'Josh'

Edition : First 2021

M.R.P. : 499/-

Cover by : Kewal Kumar

Laser Typesetting : GK Graphics, Chandigarh

साहिब-ए-किताब गुरु तेग बहादुर

प्रो.(डॉ.) राजिन्द्र पाल सिंह जोश (मुख्य सम्पादक)

डा. अमरदीप कौर (संपादक)

**Produced and bound in India**

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, filming or otherwise, without the prior permission of the author & publication

This book has been published with all efforts taken to make the material error-free after the consent of the author. However, the author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. While every effort has been made to avoid any mistake or omission, this publication is being sold on the condition and understanding that neither the author nor the publishers or printers would be liable in any manner to any person by reason of any mistake or omission in this publication or for any action taken or omitted to be taken or advice rendered or accepted on the basis of this work. For any defect in printing or binding the publishers will be liable only to replace the defective copy by another copy of this work then available.

- |  |     |
|--|-----|
| 12. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਸ਼ਹਾਦਤ ਅਤੇ ਬਾਣੀ ਦਾ ਬ੍ਰਹਿਮੰਡੀ ਪ੍ਰਵਚਨ<br>ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ   | 149 |
| 13. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਬਾਣੀ : ਦਵੰਦ ਮੁਕਤਤਾ ਦਾ ਪ੍ਰਵਚਨ<br>ਡਾ. ਹਰਪ੍ਰੀਤ ਕੌਰ                 | 158 |
| 14. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸ਼ਰਨਜੀਤ ਕੌਰ | 167 |
| 15. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸੁਖਵੀਰ ਕੌਰ   | 176 |
| 16. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ<br>ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ, ਰੋਬਿਨਾ ਸਿੰਘ        | 186 |
| 17. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦਾ ਤਿਆਗ ਅਤੇ ਬੈਰਾਗ<br>ਡਾ. ਅਸਪ੍ਰੀਤ ਕੌਰ                         | 197 |



## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ\*

ਸ਼ਰਨਜੀਤ ਕੌਰ \*\*

ਆਧੁਨਿਕ ਕਾਵਿ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਪ੍ਰਚੀਨਤਾ ਵਿੱਚੋਂ ਨਿਕਲੀ ਨਵੀਨ ਕਾਵਿ ਧਾਰਾ ਹੈ। ਜਿਸ ਵਿੱਚ ਕਵੀਆਂ ਦੁਆਰਾ ਵਿਸ਼ੇ ਦੀ ਨਵੀਨਤਾ ਦੇ ਸਨਮੁੱਖ ਪ੍ਰਗਟਾਵੇ ਵੀ ਬਦਲ ਗਿਆ। ਆਧੁਨਿਕ ਦਾ ਸਧਾਰਨ ਅੱਖਰੀ ਅਰਥ ਹੈ ਅਜੋਕਾ, ਅੱਜ ਦਾ। ਆਧੁਨਿਕਤਾ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿੱਚ ਇਕਦਮ ਉਪਜੀ ਜਾਂ ਪ੍ਰਗਟ ਹੋਈ ਕਾਵਿ ਧਾਰਾ ਨਹੀਂ ਹੈ ਸਗੋਂ ਸੰਸਾਰ ਪੱਧਰੀ ਬਦਲ ਦੇ ਸਨਮੁੱਖ ਹੀ ਪੰਜਾਬੀ ਕਾਵਿ ਚੇਤਨਾ ਵਿੱਚ ਆਧੁਨਿਕਤਾ ਦਾ ਸਥਾਨ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਭਾਰਤ ਵਿੱਚ ਲਗਭਗ ਸਾਰੀਆਂ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸਾਂ ਵਿੱਚ ਆਧੁਨਿਕ ਕਾਲ ਉਦੋਂ ਆਰੰਭ ਹੋਇਆ ਸਵੀਕਾਰ ਕੀਤਾ ਜਾਂਦਾ ਹੈ। ਜਦੋਂ ਦੇਸ਼ ਦੀ ਰਾਜਨੀਤਿਕ ਵਾਂਗਡੋਰ ਅੰਗਰੇਜ਼ਾਂ ਦੇ ਹੱਥ ਵਿੱਚ ਆਈ। ਅੰਗਰੇਜ਼ੀ ਰਾਜ ਦੀ ਸਥਾਪਨਾ ਨਾਲ ਜੀਵਨ ਵਿੱਚ ਕੁਝ ਅਜਿਹੀਆਂ ਤਬਦੀਲੀਆਂ ਆਈਆਂ ਜਿੰਨ੍ਹਾਂ ਨੇ ਉਸਦੀ ਰੂਪ-ਰੇਖਾ ਨੂੰ ਬਾਹਰਲੇ ਤੌਰ ਤੇ ਬਦਲਿਆ।<sup>1</sup>

ਆਧੁਨਿਕਤਾ ਸਧਾਰਨ ਤੌਰ ਤੇ ਮਨੁੱਖ ਦੀ ਮਾਨਸਿਕ ਚੇਤਨਾ ਵਿੱਚ ਉਤਪੰਨ ਹੋਏ ਉਸ ਬਦਲਾਅ ਦਾ ਨਾਂ ਹੈ ਜਿਸਨੇ ਮਨੁੱਖ ਦੀ ਚੇਤਨਾ ਨੂੰ ਮੱਧਕਾਲੀਨ ਨਾਲੋਂ ਵੱਖਰੀ ਸੇਧ ਦਿੱਤੀ। ਨਤੀਜਨ ਕੁਝ ਸਮਾਜਿਕ, ਰਾਜਨੀਤਿਕ ਬਦਲ ਵੀ ਵੇਖਣ ਨੂੰ ਮਿਲੇ। ਜਿਸਦਾ ਸਪੱਸ਼ਟ ਪ੍ਰਭਾਵ ਸਾਹਿਤ 'ਤੇ ਵੀ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਦਾ ਮੋਢੀ ਭਾਈ ਵੀਰ ਸਿੰਘ ਨੂੰ ਮੰਨਿਆ ਜਾਂਦਾ ਹੈ, ਜਿਵੇਂ-ਜਿਵੇਂ ਆਧੁਨਿਕਤਾ ਦਾ ਪ੍ਰਭਾਵ ਸੰਸਾਰ ਦੇ ਹਰ ਖੇਤਰ 'ਤੇ ਪਿਆ। ਉਸੇ ਤਰ੍ਹਾਂ ਹੀ ਸਾਹਿਤਕ ਖੇਤਰ ਖਾਸ ਕਰਕੇ ਕਵਿਤਾ ਦੇ ਖੇਤਰ ਵਿੱਚ ਬਹੁਤ ਸਾਰੇ ਕਵੀਆਂ ਲਈ ਆਧੁਨਿਕਤਾ ਖਿੱਚ ਦਾ ਕੇਂਦਰ ਬਣੀ। ਇਸੇ ਸਮੇਂ ਸੰਸਾਰ ਨੂੰ ਤਿੰਨ ਮਹਾਨ ਚਿੰਤਕਾਂ ਕਾਰਲ ਮਾਰਕਸ ਦਾ ਸਮਾਜਵਾਦ ਭੌਤਿਕ ਪਦਾਰਥਵਾਦ, ਡਾਰਵਿਨ ਦਾ ਵਿਕਾਸਵਾਦ ਅਤੇ ਫਰਾਇਡ ਦੇ ਮਨੋਵਿਗਿਆਨ ਨੇ ਬਹੁਤ ਜ਼ਿਆਦਾ ਪ੍ਰਭਾਵਿਤ ਕੀਤਾ। ਉੱਥੇ ਇਸਦਾ ਅਸਰ ਸਾਹਿਤਕ ਧਾਰਾਵਾਂ 'ਤੇ ਵੀ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਇਸਦਾ ਪ੍ਰਭਾਵ ਪੰਜਾਬੀ ਕਵਿਤਾ ਉੱਤੇ ਵੀ ਸਪੱਸ਼ਟ ਰੂਪ ਵਿੱਚ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ।

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੋਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ (ਪੰਜਾਬੀ) ਯੂਨੀਵਰਸਿਟੀ ਕਾਲਜ ਆਫ ਐਜੂਕੇਸ਼ਨ, ਗੁਰੂ ਕਾਸ਼ੀ ਯੂਨੀਵਰਸਿਟੀ, ਤਲਵੰਡੀ ਸਾਬੋ, ਬਠਿੰਡਾ



# ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ\*

ਸੁਖਵੀਰ ਕੌਰ\*\*

ਗੁਰਮਤਿ ਕਾਵਿ ਪਰੰਪਰਾ ਇੱਕ ਅਜਿਹੀ ਕਾਵਿ ਪਰੰਪਰਾ ਹੈ ਜਿਸ ਅੰਦਰ ਸਮਾਜ ਅੰਦਰਲੇ ਨਵੇਂ ਮੁੱਲਾਂ ਅਤੇ ਸੰਕਲਪਾਂ ਵਾਲਾ ਪ੍ਰਵਚਨ ਨਿਰੰਤਰ ਪ੍ਰਵਾਹਮਾਨ ਹੁੰਦਾ ਹੈ। ਇਸ ਕਾਵਿ ਪਰੰਪਰਾ ਦੇ ਮੂਲ ਸਰੋਕਾਰ ਬਹੁ ਦਿਸ਼ਾਵੀਂ ਹਨ। ਮਨੁੱਖੀ ਜ਼ਿੰਦਗੀ ਦਾ ਹਰ ਪਹਿਲੂ ਇਸ ਵਿੱਚੋਂ ਆਪਣਾ ਅਰਥ ਪ੍ਰਾਪਤ ਕਰਦਾ ਨਜ਼ਰ ਆਉਂਦਾ ਹੈ ਇਸ ਲਈ ਗੁਰਮਤਿ ਸਮੁੱਚੀ ਮਾਨਵਤਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿੱਚ ਆਪਣੇ ਅਰਥ ਗ੍ਰਹਿਣ ਕਰਦਾ ਹੈ। ਡਾ. ਮੁਹੰਮਦ ਹਬੀਬ ਅਨੁਸਾਰ, “ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਦਾ ਨੈਤਿਕ ਸੰਸਾਰ ਰੱਬ ਸੱਚੇ ਪਾਤਸ਼ਾਹ ਨੂੰ ਪਾਉਣ ਦੇ ਹਰ ਤੌਰ ਤਰੀਕੇ ਨੂੰ ਆਪਣੇ ਕਲਾਵੇ ਬਿੱਚ ਲੈਂਦਿਆਂ ਇਨਸਾਨੀਅਤ ਨੂੰ ਇਹ ਸਬਕ ਸਿਖਾਉਂਦਾ ਹੈ ਕਿ ਇਨਸਾਨ ਦਾ ਹਰ ਉਹ ਅਮਲ ਨੈਤਿਕ ਹੈ ਜਿਹੜਾ ਉਸ ਦੇ ਮਨ ਦਾ ਰਿਸ਼ਤਾ ਰੱਬ ਨਾਲ ਜੋੜਦਾ ਹੈ। ਉਸ ਦੇ ਅਮਲ ਵਿੱਚ ਨੇਕੀ ਪੈਦਾ ਕਰਦਾ ਹੈ। ਉਸ ਦੇ ਅੰਦਰ ਇਨਸਾਨੀਅਤ ਅਤੇ ਭਲਾਈ ਦਾ ਜਜ਼ਬਾ ਉਭਾਰਦਾ ਹੈ।”<sup>1</sup> ਗੁਰਮਤਿ ਕਾਵਿ ਧਾਰਾ ਗੁਰੂ ਸਹਿਬਾਨਾਂ ਨੇ ਸਮਾਜ ਵਿੱਚਲੀ ਗਿਰਾਵਟ ਅਤੇ ਨੈਤਿਕ ਕਦਰਾਂ ਕੀਮਤਾਂ ਦੀ ਪੁਨਰ ਸਥਾਪਨਾ ਕਰਨ ਦਾ ਯਤਨ ਕੀਤਾ ਹੈ। ਇਸ ਪਰੰਪਰਾ ਦਾ ਮੂਲ ਮੁਹਾਂਦਰਾ ਭਾਵੇਂ ਅਧਿਆਤਮਕ ਜਗਤ ਦੀ ਪੈਰਵੀ ਕਰਦਾ ਹੈ ਪਰ ਇਹ ਅਧਿਆਤਮਕ ਜਗਤ ਆਪਣੇ ਆਪ ਵਿੱਚ ਲੌਕਿਕ ਸਰੋਕਾਰਾਂ ਦੇ ਸੰਦਰਭ ਵਿੱਚ ਹੀ ਆਪਣੀ ਪਹਿਚਾਣ ਕਾਇਮ ਕਰਦਾ ਹੈ। ਇਸ ਤਰ੍ਹਾਂ ਇਹ ਅਧਿਆਤਮਕ ਜਗਤ ਮਨੁੱਖੀ ਜ਼ਿੰਦਗੀ ਦੇ ਝਰੋਖੇ ਵਿੱਚੋਂ ਆਪਣੀ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਦਾ ਹੈ। ਇਸ ਅਧਿਆਤਮਕ ਜਗਤ ਵਿੱਚ ਜੋ ਮਨੁੱਖ ਪ੍ਰਵਾਨ ਚੜ੍ਹਦਾ ਹੈ ਉਹ ਨੈਤਿਕ ਮੁੱਲਾਂ ਨਾਲ ਹੀ ਆਪਣੀ ਪਹਿਚਾਣ ਕਾਇਮ ਕਰਦਾ ਹੈ। ਸੰਸਾਰ ਦੇ ਸਾਰੇ ਧਰਮ ਆਪਣੇ ਆਪ ਵਿੱਚ ਨੈਤਿਕ ਮੁੱਲਾਂ ਦੀ ਪੈਰਵੀ ਕਰਦੇ ਹਨ ਅਤੇ ਨੈਤਿਕਤਾ ਮਨੁੱਖੀ ਸਰੋਕਾਰਾਂ ਵਿੱਚ ਸਭ ਤੋਂ ਉੱਚਤਮ ਦਰਜਾ ਪ੍ਰਾਪਤ ਕਰਦੀ ਹੈ।

ਨੈਤਿਕਤਾ ਲਈ ਸਦਾਚਾਰ ਸ਼ਬਦ ਦੀ ਵਰਤੋਂ ਵੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ, ਸਦਾਚਾਰ ਦਾ ਅਰਥ ਵੀ ਚੰਗੇ ਗੁਣਾਂ ਨੂੰ ਧਾਰਨ ਕਰਨ ਨਾਲ ਸੰਬੰਧਿਤ ਹੈ।

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੋਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਖੋਜਾਰਥੀ, ਗੁਰੂ ਨਾਨਕ ਸਿੱਖ ਅਧਿਐਨ ਵਿਭਾਗ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ

Amrita Poonia · Tejpal Dhewa *Editors*

# Edible Food Packaging

Applications, Innovations and  
Sustainability

 Springer

---

# Edible Food Packaging



---

Amrita Poonia • Tejpal Dhewa  
Editors

# Edible Food Packaging

Applications, Innovations  
and Sustainability

 Springer

*Editors*

Amrita Poonia  
Department of Dairy Science and Food  
Technology  
Institute of Agricultural Sciences, Banaras  
Hindu University  
Varanasi, Uttar Pradesh, India

Tejpal Dhewa  
Department of Nutrition Biology  
Central University of Haryana  
Mahendragarh, Haryana, India

ISBN 978-981-16-2382-0

ISBN 978-981-16-2383-7 (eBook)

<https://doi.org/10.1007/978-981-16-2383-7>

© The Editor(s) (if applicable) and The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors, and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd. The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore

---

# Contents

## Part I Sources and Origin of Edible Packaging

<b>1</b>	<b>Edible Packaging: An Overview</b> . . . . .	<b>3</b>
	Jaspreet Kaur, Mahendra Gunjal, Prasad Rasane, Jyoti Singh, Sawinder Kaur, Amrita Poonia, and Perna Gupta	
<b>2</b>	<b>Sources, Origin and Characterization of Edible Packaging</b> . . . . .	<b>27</b>
	Padma Sangmu Bomzon	
<b>3</b>	<b>Animal- and Plant-Based Edible Food Packaging for Perishable Foodstuff</b> . . . . .	<b>39</b>
	Montserrat Calderón-Santoyo, Oscar Alberto Solis-Velazquez, Juan Arturo Ragazzo-Sánchez, and Maricarmen Iñiguez-Moreno	
<b>4</b>	<b>Scope, Functions, and Novelty of Packaging Edibles</b> . . . . .	<b>87</b>
	Nitya Sharma, Aastha Bhardwaj, Prashant Said, Sukirti Joshi, Amrita Poonia, and J. K. Sahu	
<b>5</b>	<b>Novel Microbial Sources of Packaging Edibles</b> . . . . .	<b>103</b>
	Vandana, Para Dholakia, and Prabhjot Kaur Sabharwal	

## Part II Sustainable Alternatives for Packaging Edibles, Sources & Applications

<b>6</b>	<b>Fruit and Vegetable Waste: A Taste of Future Foods</b> . . . . .	<b>115</b>
	Nisha Chaudhary and Priya Dangi	
<b>7</b>	<b>Potato Waste-Based Packaging Edibles: A Sustainable Approach for Food Preservation</b> . . . . .	<b>149</b>
	Pragya Mishra and Amrita Poonia	
<b>8</b>	<b>By-products Utilization of Fruits and Vegetables as Edible Packaging</b> . . . . .	<b>157</b>
	Ekta Sehgal, Sangeeta C. Sindhu, H. Roopa, Anju Kumari, Rakesh Kumar, Partibha Ahlawat, and Ritu Sindhu	

<b>9</b>	<b>Fruit Purees, Extracts and Juices: Sustainable Source of Edible Packaging . . . . .</b>	<b>175</b>
	Neha Thakur and Vandana Chaudhary	
<b>10</b>	<b>Edible Films and Coatings for Fruits and Vegetables: Composition, Functions, and Regulatory Aspects . . . . .</b>	<b>191</b>
	Neeraj Panchal, Kalyan Das, Pramod K. Prabhakar, and Neeraj Ghanghas	
<b>11</b>	<b>Milk Protein-Based Edible Coatings: Properties and Applications . . . . .</b>	<b>217</b>
	Alok Mishra, Bimlesh Mann, Amrita Poonia, Dinesh Chandra Rai, and Ankita Hooda	
<b>12</b>	<b>Seaweeds: New Source of Packaging Edibles . . . . .</b>	<b>233</b>
	Prabhjot Kaur Sabharwal, Vandana, and Para Dholakia	
<b>13</b>	<b>By-Products of Oilseeds Industry (Defatted Cake Waste): Biodegradable Alternatives for Plastics . . . . .</b>	<b>247</b>
	Vedpal Yadav and Usman Ali	
<b>14</b>	<b>Seed Gums: Sources, Applications, and Recent Trends in Edible Films . . . . .</b>	<b>263</b>
	Para Dholakia, Prabhjot Kaur Sabharwal, and Vandana	
<b>Part III Shelf-Life, Safety and Improvement Packaging Edibles</b>		
<b>15</b>	<b>Edible Packaging: A Review on Packaging Strategy Through Novel Sources, Processing Techniques and Its Sustainability . . . . .</b>	<b>279</b>
	Pratibha Tiwari, Vatsala Sharma, and Monika Thakur	
<b>16</b>	<b>Nanosized Additives for Enhancing Storage Quality of Horticultural Produce . . . . .</b>	<b>289</b>
	T. S. Hanumesh Gowda, Priya Pal, S. Vijay Rakesh Reddy, B. N. Ashwija, and Shalini Gaur Rudra	
<b>17</b>	<b>Edible Packaging: Mechanical Properties and Testing Methods . . . . .</b>	<b>331</b>
	Yogesh Kumar, Soumen Roy, Anjali Sharma, Dev Kumar Yadav, Anand Kishore, Nitin Kumar, and Murlidhar Meghwal	
<b>18</b>	<b>Methods for the Improvement of Barrier and Mechanical Properties of Edible Packaging . . . . .</b>	<b>353</b>
	Kulsum Jan, Sidra Kazmi, Aayasee Nanda, Khalid Bashir, Ab Lateef Khan, and Shumaila Jan	
<b>19</b>	<b>Multifunctional Edibles and Their Applications in Food Industry . . . . .</b>	<b>369</b>
	Mrinal Samtiya, Sunil Kumar, and Tejpal Dhewa	

**Part IV Packaging Edibles and Their Regulatory Aspects**

- 20 Packaging Edibles: New Challenges and Regulatory Aspects . . . . .** 387  
Mamta Prajapati
- 21 Edible and Oral Thin Films: Formulation, Properties,  
Functions, and Application in Food Packaging and  
Pharmaceutical Industry . . . . .** 411  
Himani, Mohit Singla, Pramod K. Prabhakar, Arun Sharma,  
and Murlidhar Meghwal
- 22 Consumer Acceptance to Commercial Applications of Packaging  
Edibles . . . . .** 433  
Sandeep Kaur, Anila Kumari, and Vandana Sharma

**Part V Innovations in Packaging Edibles in Other Sectors**

- 23 Recent Trends in Packaging . . . . .** 449  
Sujata Pandit Sharma
- 24 Edible Packaging of Liquid Foods . . . . .** 461  
Bhasha Sharma, Meenakshi Garg, Rajni Chopra,  
and Susmita Dey Sadhu
- 25 Nanoedibles: Recent Trends and Innovations . . . . .** 481  
Anu Kumar, Mrinal Samtiya, and Tejpal Dhewa
- 26 Edible Packaging: A Vehicle for Functional Bioactive  
Compounds . . . . .** 489  
Vandana Chaudhary, Neha Thakur, and Suman Bishnoi
- 27 Antimicrobial Edible Packaging: Applications, Innovations,  
and Sustainability . . . . .** 513  
A. Poovazhahi and Monika Thakur
- 28 Antioxidant-Rich Edible Packaging . . . . .** 527  
Himanshi Garg, Soumya Ranjan Purohit, Vasudha Sharma,  
and Jatindra Kumar Sahu



# Consumer Acceptance to Commercial Applications of Packaging Edibles

# 22

Sandeep Kaur, Anila Kumari, and Vandana Sharma

## Abstract

The advent of novel green technologies revolutionizing the food industry has marked the beginning of a new era in the food sector with an aim to enhance the safety, nutritional value and sustainability of food. One of these technologies is the bio-based or edible packaging arising from concerted research focused on studying alternatives to regular plastic packaging in an attempt to reduce the CO<sub>2</sub> footprint. Although edible packaging enjoys the reputation of being biodegradable, eco-friendly and sustainable, its success in the market is finally dictated by consumer's behaviour and attitude towards adopting the newly introduced packaging technology. Many consumers exhibit the pre-conceived notion that technology may interfere with the state of naturalness, taste, nutrition and health aspects of their food item leaving them in a state of confusion enhancing their food neophobia. This along with limited knowledge about food processing and incorrect perceptions of the negative environmental impact of using plastic-based conventional packaging technique represent major challenges for the success of new packaging-based ideas in the food industry. The present chapter, thus, aims to discuss the factors dictating consumer perceptions and their behaviour. Further, it focusses on delineating the strategies to enhance the acceptability and adoption rates of edible packaging for their market stay and survival. This will enable to understand the barriers faced and the solution factors which must be stressed by the innovators and the launching platform while planning to introduce such novel packaging edibles in the market for longer sustenance and success.

---

S. Kaur · A. Kumari · V. Sharma (✉)

Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, India

© The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

433

A. Poonia, T. Dhewa (eds.), *Edible Food Packaging*,  
[https://doi.org/10.1007/978-981-16-2383-7\\_22](https://doi.org/10.1007/978-981-16-2383-7_22)



# **SOCIAL JUSTICE & HUMAN RIGHTS IN INDIA**

**EDITED BY  
NAMITA GUPTA**

## Contributors

Namita Gupta	Kanika Sharma
Rajiv Kumar Gupta	Sonia Jain
Bhawna Gupta	Isha Jain
Twinkle Attrey	Rajesh Kumar Chander
Kamla	Ram Mehar
Emanuel Nahar	Shaveta Begra
Kuldeep Singh	Pardeep Kumari
Anu H. Gupta	Monica Munjial Singh
Rati Arora	Charanpreet Singh
Deepikaa Gupta	Bhavna Sood
Monika Jaiswal	Arushi Sood
Anupam Bahri	

 **Rawat Publications**  
[www.rawatbooks.com](http://www.rawatbooks.com)

*Head Office:* Satyam Apartments, Sector 3,  
Jawahar Nagar, Jaipur 302 004 India  
Tel: 0141-265 1748 / 7006 e-mail: [info@rawatbooks.com](mailto:info@rawatbooks.com)

*Delhi Office:* 4858/24, Ansari Road, Daryaganj,  
New Delhi 110 002. Tel: 011-23263290

*Also at Bangalore, Guwahati and Kolkata*

₹ 1195

ISBN 978-81-316-1151-7



9 788131 611517

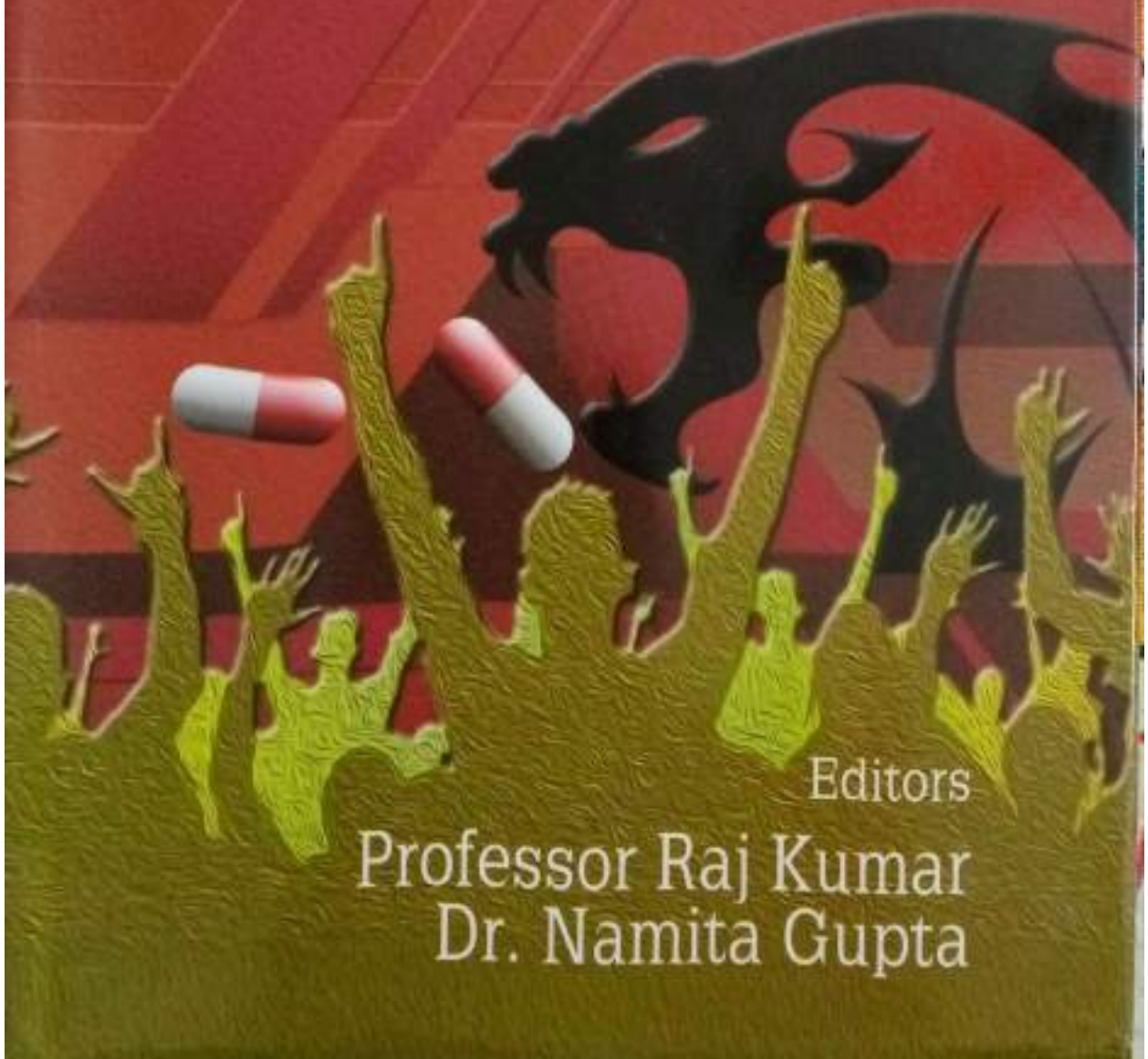


- 8 Right to Life: Role of Society and Technology  
in Declining Sex Ratio in India 119  
*Anupam Bahri*
- 9 Run-Away Marriages in Punjab:  
Institutional Intervention and Protection 127  
*Kanika Sharma*
- 10 Human Rights Perspective on Intellectual Property  
on Internet 138  
*Sonia Jain and Isha Jain*
- 11 Right to Life and Female Foeticide: Policy and Practice 149  
*Rajesh Kumar Chander*
- 12 Role of Education in Strengthening and Creating  
Awareness of Human Rights in India 170  
*Ram Mehar*
- 13 Human Rights and Police Training: An Indian Perspective 178  
*Shaveta Begra*
- 14 Accessible India Campaign: A Step Towards  
Accessibility Beyond Disability and Charity 195  
*Pardeep Kumari*
- 15 Human Rights Intervention for the Rehabilitation  
of HIV/AIDS 211  
*Monica Munjial Singh and Charanpreet Singh*
- \* 16 Human Rights in India: The Journey So Far 225  
*Bhavna Sood and Arushi Sood*

*Index*



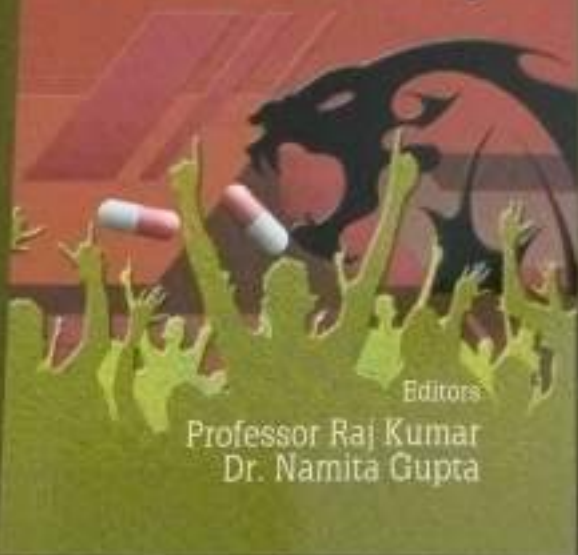
# Human Rights Youth and Drugs



Editors

Professor Raj Kumar  
Dr. Namita Gupta

# Human Rights Youth and Drugs



Editors

Professor Raj Kumar  
Dr. Namita Gupta

**REGAL PUBLICATIONS**

F-159, Rajouri Garden, New Delhi-110027  
Ph. 011-45546396, 011-25435369  
E-mail : [regalbookspub@yahoo.com](mailto:regalbookspub@yahoo.com)  
Visit us at : [www.regalpublications.com](http://www.regalpublications.com)

ISBN 978-81-945750-2-3



0 788194 575023

₹ 1280



10. Challenges in Protection of Human Rights of Drug Abused and Addicts in the Criminal Justice System of India  
*Aditya Choudhary and Mukta Jangir*
11. Harm Reduction Services and the Punitive Drug Laws  
*Harsimrat Kaur Thind*

PART III  
YOUTH AND CIVIL SOCIETY: JOURNEYS OF CHANGE  
AND INTERVENTION

12. Youth as the Most Vulnerable Category of Drug Abuse  
*Dr. Damanjit Kaur*
- ✓ 13. Susceptibility of Youth in the Use and Abuse of Drugs in India  
*Dr. Bhavna Sood and Suman Bizla*
14. Empirical Study on the Drug Abuse and Its Vulnerability Among the Youth of Punjab  
*Binesh Bhatia*
15. Trend of Increasing Use of Tobacco and Alcohol in Hindi Cinema: A Gendered Perspective  
*Dr. Anu H. Gupta*

# WAR AND LITERATURE

A Global Perspective

---

SWATI KUMARI • MANOJ KUMAR



 YKING BOOKS



First Published : 2021

ISBN : 978-93-87945-94-4

Price : ₹ 1195

© Editor

*Published by*

**Yking Books**

H.O.: 18, Jain Bhawan, Opp. N.B.C., Shanti Nagar, Jaipur - 302006

Tel. 0141-2221456, 09414056846 (M)

Showroom: G-13, S.S. Tower, Dhamani Street, Chaura Rasta, Jaipur - 302003

Tel. 0141-4020251

E-mail: [ykingbooks@gmail.com](mailto:ykingbooks@gmail.com)

*Laser Typesetting by*

**Vikram Kumar Sharma, Jaipur**

*Printed at*

**Trident Enterprises, New Delhi**



- |     |  |     |
|-----|--|-----|
| 7.  | Re-traumatization or Resilience? Food Culture<br>in the War Narratives of Hanan al-Shaykh's<br><i>The Story of Zahra</i> and Chimamanda<br>Ngozi Adichie's <i>Half of a Yellow Sun</i> | 64  |
|     | —Majda R. Atieh and Ghada Ali M.   |     |
| 8.  | Of Terror and Violence   | 78  |
|     | —Dibakar Pal   |     |
| 9.  | War Literature down the Ages:<br>Multi-dimensional Approach  | 82  |
|     | —Alka Dutt   |     |
| 10. | Medieval and Victorian England through the<br>Glimpses of Arthurian Warriors as Presented<br>in the Works of Malory and Victorian Poets  | 92  |
|     | —Parul Mishra  |     |
| 11. | The Theme of Shellshock Reflected in<br>the Selected Anti-War Poems of Wilfred Owen  | 101 |
|     | —Priti Bala Sharma   |     |
| 12. | War, Violence and Trauma in Ted Hughes' Poetry   | 110 |
|     | —Bindu Sharma  |     |
| 13. | The Monstrous Legacy: War as Living<br>Presence in Doris Lessing's Selected Novels   | 126 |
|     | —Sneha Pathak  |     |
| 14. | <i>Borders and Boundaries:</i><br>Women during Indian Partition  | 132 |
|     | —Namita Chouhan  |     |
| 15. | War Literature and Jean Giraudoux,<br>the French Dramatist   | 147 |
|     | —Dipa Chakrabarti  |     |
|     | Our Contributors   | 153 |



# 12

## War, Violence and Trauma in Ted Hughes' Poetry

Bindu Sharma

War and violence have been as much an integral part of world literature as of human existence. Violent conflicts lie at the heart of majority of ancient epics of Indian, Roman, Greek and other civilizations. Inspiring and gruesome tales of grisly battles, unimaginable destruction, supreme valour and sacrifices have been documented in nearly all other literary genres also across the globe, irrespective of geographical, linguistic, racial or religious barriers. All along human history, political upheavals culminating in wars, skirmishes, revolutions and violent revolts have inspired writers and poets with an enthusiasm that transcended all bounds of class and status. In the more recent times, the two World Wars and several smaller conflicts have led to the emergence of a new literary genre called War Literature which enshrines the tales of tragic consequences, suffering, loss and trauma of the common man in general and soldiers in particular.

The corpus of English poetry on war was enriched appreciably by a poet who emerged as perhaps the most prodigious, prolific and prominent poet in the post-war era. Poet Laureate Ted Hughes (1930-1998) was neither a soldier nor a conventional representative poet of the era torn by violent conflicts at the turn of the century, yet responded to them in a way no one else has.





## Progress in Advanced Computing and Intelligent Engineering

pp 515–526 | Cite as

# Performance Evaluation of VM Allocation Strategies on Heterogeneous Environments in Cloud Data Center

Rajni Garg , Indu Arora & Anu Gupta

Conference paper | First Online: 16 April 2021

**366** Accesses

Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1299)

# Abstract

---

Cloud computing paradigm provides on demand utilities to the customers and involves high resource requirements. Virtual machine allocation plays a vital role in the optimization of resource usage in a data center. This approach consolidates workload on minimal number of servers to improve their resource utilization and thus contributes to energy efficiency. The literature evidences number of virtual machine allocation strategies that vary considerably in adopted approaches and evaluation environments. This research work aims to analyze performance of commonly used heuristic allocation policies. To ensure logistic comparison, the selection of policies is done that implements bin-packing approach in

allocation. These algorithms are intensively compared to different workload data-sets and varying experimental setups. Performance of these algorithms with different threshold and virtual machine selection policies is also evaluated. The results conclude that the policies which consider power and computing capacity of the server perform better in almost all scenarios.

## Keywords

**Virtual machine allocation**

**Workload traces**

**Server heterogeneity**

**Energy efficiency**

**Service level agreements**

▼ Chapter

EUR 29.95

Price includes VAT (India)

- DOI: 10.1007/978-981-33-4299-6\_43
- Chapter length: 12 pages
- Instant PDF download
- Readable on all devices
- Own it forever
- Exclusive offer for individuals only
- Tax calculation will be finalised during checkout

Buy Chapter

> eBook

EUR 181.89

> Softcover Book

EUR 219.99

[Learn about institutional subscriptions](#)

## References

---

1. Shang, P., Wang, J.: A novel power management for CMP systems in data-intensive environment. In: IEEE International Parallel & Distributed



Singapore. [https://doi.org/10.1007/978-981-33-4299-6\\_43](https://doi.org/10.1007/978-981-33-4299-6_43)

Download citation

[.RIS](#) ↓ [.ENW](#) ↓ [.BIB](#) ↓

DOI

[https://doi.org/10.1007/978-981-33-4299-6\\_43](https://doi.org/10.1007/978-981-33-4299-6_43)

Published

16 April 2021

Publisher Name

Springer, Singapore

Print ISBN

978-981-33-4298-9

Online ISBN

978-981-33-4299-6

eBook Packages

[Engineering](#)

[Engineering \(R0\)](#)

# HUMAN RIGHTS Youth and Drugs

*Editors*

**Professor Raj Kumar**

Vice-Chancellor, Panjab University, Chandigarh

**Dr. Namita Gupta**

Associate Professor and Chairperson,  
Centre for Human Rights and Duties,  
Panjab University, Chandigarh



**REGAL PUBLICATIONS**

New Delhi - 110 027



All rights reserved with the Publisher, including the right to translate or to reproduce this book or parts thereof except for brief quotations in critical articles or reviews.

**DISCLAIMER:** The Publisher has taken reasonable care in the preparation of this book, but makes no expressed or implied warranty of any kind and assumes no responsibility for any errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of information contained and material included from various sources by the author/editor in this book. The Publisher shall not be liable for any special, consequential, or exemplary damages resulting in whole or in part, from the readers' use of, or reliance upon, this material.

Typeset by  
THE LASER PRINTERS  
New Delhi-110027

Printed in India at  
SHREE RAMESHWAR PRINTERS  
A-49/1, Mayapuri Phase-1, New Delhi-110064

Published by  
REGAL PUBLICATIONS  
F-159, Rajouri Garden, New Delhi-110027  
Phones: 011-45546396, 011-25433369  
E-mail: regalbookspub@yahoo.com, deepdeepbooks@gmail.com

---

---

## Contents

---

---

<i>Preface</i>	<i>ix</i>
<i>List of Contributors</i>	<i>xiii</i>
<b>PART I</b>	
<b>DRUG ABUSE AND HUMAN RIGHTS CHALLENGES IN SOUTH ASIA</b>	
1. Drug De-addiction in Punjab: Issues and Challenges <i>Dr. Namita Gupta and Rajiv Gupta, PCS</i>	3
2. Tackling Drug Problem in Punjab: Review of Current Strategy <i>Dr. Kaustubh Sharma, IPS</i>	17
3. Community Perception about Drug Prevalence and Spread in North-West India <i>Ranjit Singh Ghuman, Gurinder Kaur and Jatinder Singh</i>	42
4. Framework of International Drug Control Laws and Human Rights: A Case for an Integrative Approach <i>Dr. Kamla and Brijesh</i>	69
5. Drug Abuse in Punjab: Legal and Social Contours <i>Dr. Amritpal Kaur and Isha Manchanda</i>	81
6. Enforcement of NDPS Act, 1985 and Challenges in Its Implementation <i>Sharda Devi</i>	91

PART II		
DRUG PREVENTION, TREATMENT AND CARE		
7.	Hey Buddy... Come with Me and Be Drug-Free! A Preventive Programme to Fight the Scourge of Drug Addiction <i>Dr. Manita Sharma</i>	103
8.	Drug Abuse and Mental Health: Understanding the Inevitable Causes and Effects <i>Dr. Karika Sharma and Dr. Shweta Sharma Sehgal</i>	117
9.	Psychosocial Correlates of Drug Abuse <i>Dr. Nitasha Khelra and Timisha Sankhyan</i>	125
10.	Challenges in Protection of Human Rights of Drug Abused and Addicts in the Criminal Justice System of India <i>Aditya Choudhary and Mukta Jangir</i>	137
11.	Harm Reduction Services and the Punitive Drug Laws <i>Harsimrat Kaur Titwal</i>	151
PART III		
YOUTH AND CIVIL SOCIETY: JOURNEYS OF CHANGE AND INTERVENTION		
12.	Youth as the Most Vulnerable Category of Drug Abuse <i>Dr. Damrajit Kaur</i>	165
13.	Susceptibility of Youth in the Use and Abuse of Drugs in India <i>Dr. Bhazma Sood and Suman Biziá</i>	181
14.	Empirical Study on the Drug Abuse and Its Vulnerability Among the Youth of Punjab <i>Binesh Bhatia</i>	192
15.	Trend of Increasing Use of Tobacco and Alcohol in Hindi Cinema: A Gendered Perspective <i>Dr. Anu H. Gupta</i>	206

16.	Drug Addiction Among Adolescents and Its Prevention <i>Dr. Supreet Kaur and Ms Meghna Bhalla</i>	218
17.	Social Work Intervention and Drug Addiction <i>Dr. Monica Munjal Singh</i>	228
	<i>Index</i>	236

conspicuously decriminalized Section 309 of the Indian Penal Code which was previously punishable.

The societal stigma and taboo of mental illness coupled with drug and substance abuse, individually and dually make an individual further vulnerable to their preexisting precarious position. Hence, it is further proposed that the act ought to effectively chalk out tangible and pragmatic policies and measures to achieve sustainable and positive recovery results.

#### REFERENCES

- About.com. 2007. What is mental health? Available at <https://www.mentalhealth.gov/basics/what-is-mental-health>. Assessed on 24 January 2020.
- American Heritage Dictionary (2009), *American Heritage Dictionary*. Houghton Mifflin Company: USA.
- Byrd, K.M. (2000). "Disease, Illness, Sickness, Health, Healing and Wholeness: Exploring Some Elusive Concepts". *Medical Humanities*, Vol. 1, No. 26, pp. 9-17.
- Griffin, J.B. Jr. Substance Abuse. In: Walker, H.K., Hall, W.D., Hurst, J.W., (eds.), *Clinical Methods: The History, Physical, and Laboratory Examination*, 3rd edition.
- Boston: Butterworths, 1990. Chapter 206 Available at <https://www.ncbi.nlm.nih.gov/books/NBK319> Assessed on 29 January 2020.
- Help Guide (2019). Available at <https://www.helpguide.org/articles/addictions/substance-abuse-and-mental-health.htm>. Assessed on 23 January 2020.
- Jacob, K.S. (2016). "Mental Health Legislation, Contradictory Paradigms, Uneasy Compromise", *Economic and Political Weekly*, No. 50, pp. 22-24.
- Menninger, K.A. (1945). "Case-control study of attention deficit hyperactivity disorder and maternal smoking, alcohol use, and drug use during pregnancy", *Journal of the American Academy of Child and Adolescent Psychiatry*, No. 41, pp. 378-85.
- Rose, A. and Jacob, K.S. (2015). "Teaching Bioethics in India", *National Medical Journal of India*, Vol. II, No. 28, pp. 61-63.
- Wig, N.N. (1999). "WHO measure of mental health: Adapted for use in India", *The Tribune*, October 9.
- World Health Organization (1967). *Obesity: Preventing and Managing the Global Epidemic*, Technical Report 894. Geneva: WHO.
- World Health Organization (2019). Available at [https://www.who.int/topics/substance\\_abuse/en/](https://www.who.int/topics/substance_abuse/en/). Assessed on 23 January 2020.

## 9

### Psychosocial Correlates of Drug Abuse

Dr. Nitasha Khehra and Tarisha Sanikhyan

#### ABSTRACT

*High prevalence of substance abuse among young adults is a highly significant global public health challenge. Research evinces that 11.1 per cent of the people involved in drug and substance abuse in India, are below 20 years. Early initiation of drug use is often associated with poor prognosis and lifelong pattern of disturbed behavior. According to the National Commission for Protection of Child Rights, Heroin, Opium, Alcohol, Cannabis and Propoxyphene are the five most common drugs being abused by children in India. Mental health problems and psychosocial dysfunctions frequently are linked to substance abuse. Studies employing twin and adoption cases have provided compelling evidence in the increased risk for developing addiction with affected biological parent. Long-lasting stressful periods, experience of early severe stress and/or traumatic life events in childhood can affect an individual's personal development resulting in an enhanced risk for substance use. Studies exploring psychosocial substance use among adolescents report a variety of both intrapersonal and interpersonal reinforcing factors such as peer pressure, relief from domestic stress, parents' marital status as divorced or separated. Personality traits such as impulsivity, hostility, negative affectivity or neuroticism and low self-esteem are suggested to be positively*



# **SIMMERING SILENCES AND BENEATH**

**An Anthology of  
Gender Issues in India**



**Dr. Zeenat Khan  
Pallavi Kapila - Urvi Sharma**

**Arun Publishing House, Chandigarh**

---

---

# **SIMMERING SILENCES AND BENEATH**

**An Anthology of Gender Issues in India**

---

---

**Dr. Zeenat Khan**

*Sr. Assistant Professor  
Postgraduate Department of English*

**Pallavi Kapila**

*Assistant Professor  
Department of Sociology*

**Urvi Sharma**

*Assistant Professor  
Postgraduate Department of English*

*Mehr Chand Mahajan DAV College for Women,  
Sector-36, Chandigarh*



*Arun Publishing House  
SCO 49-51, Sector - 17C,  
Chandigarh - 160 017 (India)*

- Chapter 7**  
**On the Spectrum: Revisiting the Sociological Perspective of Sex v. Gender**  
*Pallavi Kapila, Assistant Professor, Mehr Chand Mahajan DAV College for Women, Chandigarh* ..... 68
- Chapter 8**  
**The Other Woman in the Other Space: Locating Prostitution and Heterotopia in the Selected Texts**  
*Paulami Sengupta, Research Scholar, College Street Campus, University of Calcutta* ..... 74
- Chapter 9**  
**Troubled Identity: A Critical analysis of *The World that Belongs to Us: An Anthology of Queer Poetry from South Asia***  
*Sayantani Sengupta, Research Scholar, St. Xavier's University, Kolkata* ..... 83
- Chapter 10**  
**Negative Oedipus Complex and the Quest Towards Masculinity in Arvind Adiga's *The White Tiger***  
*Rutuja Pradhan, Researcher, University of Mumbai* ..... 95
- Chapter 11**  
**Pedestalizing Female Sacrifice and Silence in the Indian Context through the Movie *Fire***  
*Parvathi Chandrasekharan Nair, Researcher, University of Mumbai* ..... 102
- Chapter 12**  
**Corroboration of Gender during the Partition of Bengal: An Analysis of Epar Ganga Opar Ganga**  
*Debasmita Mahajan, Research Scholar, Techno India University, West Bengal* ..... 111
- Chapter 13**  
**Coming Out and Leaving the Closet Behind: Academic Frameworks and the Future of Gender Studies**  
*Urvi Sharma, Assistant Professor, Mehr Chand Mahajan DAV College for Women, Chandigarh* ..... 117



## On the Spectrum: Revisiting the Sociological Perspective of Sex v. Gender

Pallavi Kapila

*Abstract:* Much of the current debate over sex and gender centres on as to whether these conceptions are distinct, constructed, or intertwined, and whether biology, social system, or the interaction between biology and social system has had the most impact on the development of these categories of classification, both in self-identification and in assigned socio-cultural roles. As a result, it becomes necessary to provide brief definitions of both sex and gender in order to appropriately introduce and understand the topic of discussion. In this context, sex is defined as the apparent features of genetic variants stemming from the interplay between environmental and genetic factors. Gender, on the other hand, is described as the set of associated features/characteristics that enables an individual to be recognised, through both assigned social roles and self-identification.

Hence, keeping the objectives in mind, this chapter is divided into different sections with an aim to analyse the concept of sex, as differentiated and opposed from the social construct of gender in the society. Different theoretical orientations, namely, Structural Functionalism, Conflict theory and Social Constructivism, have been used to elaborate the discussion. Further, the chapter throws light on how gender-specific roles are allocated in the society, particularly in India.

*Key words:* sex, gender, cultural and social roles, self-identification.

### INTRODUCTION

The origins of bodily sex are clearly recognised, but there is no consensus on the genesis of the socially constructed concept of gender. Much of the current debate over sex and gender centres on as to whether these concepts/notions are distinct, constructed, or intertwined, and whether biology, social system, or the interaction between biology and social system has had the most impact on the development of these categories of classification, both in self-identification and in assigned socio-cultural roles. Therefore, it becomes relevant to provide brief definitions of both sex and gender with an aim to differentiate between the two concepts.

In this context, sex is defined as the apparent features of genetic variants stemming from the interplay between environmental and genetic factors. Gender, on the other hand, is described as the set of associated features/characteristics that enables an individual to be recognised, through both assigned social roles and self-identification. Hence, it becomes imperative to study how sex as a concept is differentiated and opposed from the social construct of gender in the society, thus cannot be used

interchangeably, and the various factors that are responsible for the allocation of gender specific roles, especially in the context of India.

### OBJECTIVES

This qualitative chapter has been written keeping in mind the following six objectives:

- i. To explain the etymological meaning of the concepts/notions of sex and gender;
- ii. To differentiate between the two concepts of sex and gender by using sociological viewpoints/theoretical orientations;
- iii. To describe differences in gender socialisation of males and females, particularly in the context of India;
- iv. To examine how gender-specific roles are allocated in the society, especially in India.

### RESEARCH METHODOLOGY

The study is conducted through analysis of secondary data. Further, data has also been collected from journals, books, news reports, newspapers, periodicals and material available on the internet.

### SCOPE

The scope of the study is limited to the notions/concepts of sex and gender as distinct, socially constructed or intertwined in Indian society.

### SEX V. GENDER: UNDERSTANDING OF THE CONCEPT

The terms "sex" and "gender" have not always been differentiated in the English language until the 1950s, before the American and British psychologists working with inter-sexual and trans-sexual patients formally began distinguishing between the two concepts. Although the terms sex and gender are often confused and used interchangeably, there is a difference between both the concepts. While the biological differences between males and females are clearly visible, performing the roles associated with a particular sex, i.e., the social and cultural aspects of being a man or a woman, are often complicated. Sex refers to the biologic and physiologic traits, including both primary characteristics, i.e., the reprod-uctive system and secondary characteristics such as height, muscles, etc. characterising maleness and femaleness. Gender, on the contrary, is a term that refers to the socio-cultural distinctions, i.e., the roles and behaviors associated with being male or a female.

Arun Publishing House  
SCO 49-51, SECTOR 17 C,  
CHANDIGARH - 160 017  
EMAIL: arunpublishing@gmail.com  
Tel. - (0172) - 2702189

Sales/Liaison/Warehouses/Godowns/Stokists/Distributors/Branches

Chandigarh> New Delhi> Bengaluru> Hyderabad> Cochin> Goa>  
Guwahati> Dehradun> Australia> Canada

Australia- 3/62, Canterbury Road, Hurstville Park, NSW 2193  
(email: neapen.aus@gmail.com)

Canada- (email: neapen.ca@gmail.com)

SIMMERING SILENCES AND BENEATH: An Anthology of Gender Issues in India-  
Zeenat Khan, Pallavi Kapila, Urvi Sharma

*International Standard Book Number (ISBN): 978-81-8048-299-1*

**First Published: 2021**

© 2021 Author

All rights reserved. This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved. No part of this publication may be reproduced, stored in or introduced into a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of both the copyright owner and the publisher of this book.

The views and opinions expressed in this book are the author's own and the facts verified to the extent possible are as reported by the author/s have been reproduced and the publishers in no way are responsible/liable for any affect on account of any expression, whatsoever. Any assertion regarding proprietary name/trademark etc. should not be taken as affecting the legal status of these names/marks.

*Designed and Photo-composed at:*  
New Era Book Agency  
SCO 49-51 (Basement), Sector - 17C  
Chandigarh - 160 017 (India)  
Tel.: 2702318



# CORONAVIRUS

## PANDEMIC AND LIVELIHOOD CHALLENGES: A NEW NORMAL

### EDITORS

Dr. Monica Sharda

Dr. Kamal Vatta

Natioal Press Associates



# **PANDEMIC AND LIVELIHOOD CHALLENGES: A NEW NORMAL**

## **EDITORS**

**Dr. Monica Sharda**

**Dr. Kamal Vatta**

**ISBN No: 978-93-90863-07-5**



**Published By:  
National Press Associates, New Delhi  
[www.npapublishing.in](http://www.npapublishing.in)**

# PANDEMIC AND LIVELIHOOD CHALLENGES: A NEW NORMAL

## EDITORS

*Dr. Monica Sharda*

*Assistant Professor, Department of Economics,  
Master Tara Singh Memorial College for Women, Ludhiana, Punjab*

*Dr. Kamal Vatta*

*Professor & Head, Department of Economics and Sociology  
Punjab Agricultural University, Ludhiana, Punjab*

**Copyright © 2021 Selection & Editorial Matter, Editor & Authors.**

*All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means of electronic or mechanical including photocopy, recording or any information stored in a retrieval system, without the prior written permission of the author and publisher.*

*The responsibility for the facts or opinions expressed in the book is entirely of the authors. Neither the publisher nor the Editor are responsible for the same.*

**ISBN No: 978-93-90863-07-5**

**EDITION: I**

**Price: Rs 900/-**

**Published by**

**National Press Associates**

**Admin Office:** C-24, Ground Floor, Panchsheel Vihar, Malviya Nagar, New Delhi-110017, India

**Registered Office:** #79, Guru Angad Dev Nagar, Flower Enclave, Ludhiana (PB), India

**Email:** npublishing@gmail.com

**Website:** www.npublishing.in

**Printed By**

**National Press Associates, #79, Guru Angad Dev Nagar, Flower Enclave, Ludhiana (PB), India**

# CONTENTS

S No.	Title and Author Name	Page No.
1.	<b>IMPACT ASSESSMENT OF COVID-19 ON INDIAN AGRICULTURE</b> <i>Gurlal Singh, Gurleen Kaur, Saropriya Singh</i>	1-9
2.	<b>COVID-19, LABORERS AND FARMERS: QUESTION TO LIVELIHOOD</b> <i>Atinder Pal Kaur, Gaganpreet Kaur</i>	10-15
3.	<b>ART TEACHING AND LEARNING DURING COVID-19 PANDEMIC: ISSUES AND CHALLENGES</b> <i>Pooja Sharma</i>	16-20
4.	<b>CONSOLIDATION THROUGH MERGERS &amp; ACQUISITIONS- A RULE RATHER THAN EXCEPTION</b> <i>Mohd. Saleem</i>	21-27
5.	<b>BLENDED LEARNING: A WAY FORWARD DURING AND AFTER PANDEMIC COVID 19</b> <i>Sangeeta Rani</i>	28-33
6.	<b>COVID-19 AND GENDERED DIVISION OF LABOUR</b> <i>Sugandha Kohli Kaang</i>	34-37
7.	<b>LIFE-CHANGING FIVE LESSONS TAUGHT BY THE PANDEMIC OF NOVEL COVID -19</b> <i>Tukaram Rangrao Hapgunde</i>	38-40
8.	<b>COVID-19: REPRECURSSIONS FOR THE INFORMAL EMPLOYMENT</b> <i>Robina</i>	41-45
9.	<b>THE NEW NORMAL FOR EDUCATION AMID COVID-19</b> <i>Payal</i>	46-51
10.	<b>DEPENDENCE ON ONLINE EDUCATION DUE TO COVID- 19</b> <i>Harpreet Kaur</i>	52-56
11.	<b>PANDEMIC AND LIVELIHOOD CHALLENGES: A NEW NORMAL</b> <i>Jagdeep Singh, Harpreet Kaur</i>	57-61
12.	<b>CHANGE IN INDIAN KITCHENS ADAPTING TO NEW NORMAL AMID CORONA VIRUS PANDEMIC</b> <i>Arvinder Kaur Saini</i>	62-66



## CHAPTER 3

ART TEACHING AND LEARNING DURING COVID-19  
PANDEMIC: ISSUES AND CHALLENGES

\*Pooja Sharma

\*Assistant Professor & Head, Fine Arts Department, Mehr Chand Mahajan DAY  
College for Women, Chandigarh, India.

## ABSTRACT

Pandemic Covid 19 has left us with online teaching and learning. The purpose of this study is to assess and examine the challenges faced by undergraduate students of fine arts due to pandemic. An online survey was conducted through questionnaire (Google form link) in the month of October 2020 to collect the desired information from undergraduate art students. Both students and teachers need to prepare and come out of their comfort zone to manage the adverse effect of the pandemic. The study signifies the challenges and strength of online art teaching experienced by the students. Undoubtedly, juxtaposition prompts online students have a safe study during pandemic and teachers demonstrated unassuming improvements in their teaching effectiveness. However, the majority of students (89%) favoured offline classroom teaching of art subjects like drawing and paintings.

**KEYWORDS:** Art, learning, Teaching, Challenges, Pandemic.

## INTRODUCTION

"Corona Virus", a pandemic which closed every door and made us think something, which we never had in our mind of students and teachers, i.e., 'Work from Home'. Then online teaching came in light. There are both sides of the coin, one-way thanks to COVID-19 for promoting internet-based teaching and on the other hand, whether it is permissive and admissible. The kind of difficulties faced while adopting online teaching during the pandemic has been to the teachers and students of fine arts, where learning is by doing practices only, yet to study. The teachers are quite intact to the new technology need to learn its different aspects too. But despite difficulties which include managing the whole work and moving entirely into the virtual world gave us productive results. It is the need of the hour to examine and analyze the student's viewpoint and make it as a frame of reference for the challenges during pandemic (Simamora, 2020). In this direction, the other study emphasized that institutes are encouraging the use of gamification in education for the purpose of improving motivation naturally as well as commitment (Alabbadi, 2017). While when it comes to a subject like Fine Arts, it brings lots of inbuilt challenges which will be discussed gradually. The technology has made us its puppets; as of now, our lives undoubtedly are dependent upon this feigned world. The concept of online teaching was initially a righteous step but can't replace the phenomenon of classroom. This idea of shifting brick and mortar to the online classroom affected every stakeholder- the students, the mentors and the entire education system. The change in the education system has definitely bought an inseparable gap which is surely a long term drawback. It is rightly said that it is now clear that society needs flexible and resilient education systems as we face unpredictable futures (Ali, 2020). They believed that, although the value of the face-to-face instruction method could not be reduced, e-learning can be used along with the traditional method in order to bring efficiency, effectiveness, and competitive edge over other competitors by imparting quality education (Barboni, 2019).

Firstly discussing the boons of our traditional learning procedure which was developed by the Kalakars- who used to sit along with their students, they not only used to teach them but their tendency was to develop the core skills of the subject inside them. The interaction between the two was very effective that they use to gain productivity fruitfully and constructively. While learning the imagination and connectivity of the student with the subject in the world was incredible as their thoughts were exchanged. The interaction of mentor and student is like a brick which gives rise to the building. So this practice of ethical learning continued, and minor changes were brought in the foundation. Now, when pandemic came, our lives twisted in a manner which affected us harshly while talking about



ਆਈ ਪੰਥੀ ਸਗਲ ਜਮਾਤੀ  
आई पंथी सगल जमाती  
Aayi Panthi Sagal Jamati

ਡਾ. ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ ਜੋਸ਼ (ਪ੍ਰੋਫੈਸਰ )



ISBN 978-93-5205-387-2

**Aaei Panthi Sagal zmati**  
By  
**Dr. Rajinder Pal Singh Josh**

2021  
Published by Lokgeet Parkashan  
printed & bound by Unistar Books Pvt. Ltd.  
301, Industrial Area, Phase-9,  
S.A.S. Nagar, Mohali-Chandigarh (India)  
email : unistarbooks@gmail.com  
website : www.unistarbooks.com  
Ph. +91-172-5027427, 5027429, 4027552

© 2021

Produced and bound in India

All rights reserved

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the above-mentioned publisher of this book.

## ਤਤਕਰਾ

	(vii)
* ਫੂਮਿਕਾ	1
1. ਲਾਘਾ-ਡਾ. ਸੁਰਜੀਤ ਪਾਤਰ	7
2. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦਾ ਜੀਵਨ ਦਰਸ਼ਨ-ਡਾ. ਜਗਬੀਰ ਸਿੰਘ	16
3. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ : ਵਿਅਕਤਿਤਵ ਤੇ ਕਰਤੱਤਵ -ਡਾ. ਰਾਜਿੰਦਰਪਾਲ ਸਿੰਘ ਜੋਸ਼, ਡਾ. ਅਮਰਦੀਪ ਕੌਰ	23
4. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਦੀ ਸਮਕਾਲੀ ਪ੍ਰਾਸੰਗਿਕਤਾ -ਡਾ. ਅਮਰਦੀਪ ਕੌਰ	29
5. ਮਾਝ ਦੀ ਵਾਰ ਵਿਚ ਸਮਾਜਿਕ ਸਰੋਕਾਰ-ਡਾ. ਸਵਿੰਦਰ ਪਾਲ ਕੌਰ	39
6. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਵਿੱਚ ਆਦਰਸ਼ਕ ਮਨੁੱਖ-ਡਾ. ਪਰਮਜੀਤ ਕੌਰ	47
7. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ : ਅੰਤਰ-ਧਰਮ ਸੰਵਾਦ-ਡਾ. ਹਰਪ੍ਰੀਤ ਸਿੰਘ	59
8. ਭਾਰਤੀ ਸਿਸਟ੍ਰਿਕਟੀ ਵਿੱਚ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦਾ ਮਨੁੱਖੀ ਅਧਿਕਾਰਾਂ ਲਈ ਸੰਘਰਸ਼-ਡਾ. ਪੁਸ਼ਪਿੰਦਰ ਕੌਰ	64
9. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦੁਆਰਾ ਰਚਿਤ 'ਆਸਾ ਦੀ ਵਾਰ' ਵਿੱਚ ਸਮਾਜਿਕ ਚੇਤਨਾ-ਪਰਮਜੀਤ ਕੌਰ ਔਲਖ	70
10. ਮਹਲਾ ੧ ਦੀ ਬਾਣੀ ਵਿਚ ਨਾਮ ਦੀ ਪ੍ਰਮਾਣਿਕਤਾ -ਪ੍ਰੋ. ਨਵੀਨ ਕੁਮਾਰ	76
11. ਜਪੁਜੀ ਸਾਹਿਬ : ਖਾਲਸ ਕੁਦਰਤ ਦੇ ਸਗਲ ਰੂਪ ਅਤੇ ਸ਼ੁੱਧ ਦੇਵੀ ਅਨੁਭਵ ਦਾ ਵਿਸਮਾਦ-ਸੁਖਜੀਤ ਕੌਰ	84
12. ਜਪੁਜੀ ਸਾਹਿਬ : ਭਾਸ਼ਾਈ ਅਧਿਐਨ-ਨਿੰਦਰਪਾਲ ਸਿੰਘ	90
13. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਵਿਚ ਅੰਤਰ-ਧਰਮ ਸੰਵਾਦ : ਜਪੁਜੀ ਸਾਹਿਬ ਦੇ ਵਿਸ਼ੇਸ਼ ਸੰਦਰਭ ਵਿਚ-ਰੋਸ਼ਮ ਸਿੰਘ	99
14. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਵਿਚ ਕਰਮ-ਕਾਡਾਂ ਦੇ ਵਿਰੋਧ ਵਿਚ ਨਵੇਂ ਮਨੁੱਖ ਦਾ ਸੰਕਲਪ : 'ਆਸਾ ਦੀ ਵਾਰ' ਦੇ ਸੰਦਰਭ ਵਿਚ -ਗੁਰਸੰਤ ਸਿੰਘ	105
15. ਸਮਕਾਲੀ ਚੁਣੌਤੀਆਂ ਅਤੇ ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਦੀ ਸਾਰਥਕਤਾ -ਅਰਸ਼ਦੀਪ ਕੌਰ	



16. ਜੀਵਨ ਜੁਗਤ ਅਤੇ ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ—ਹਰਨੀਤ ਕੌਰ
17. युग पुरुष : गुरु नानक देव जी 115  
-प्रोफेसर (डॉ.) राजिन्द्र पाल सिंह 'जोश', 122  
प्रिसिंपल जैसमिन 'जोश'
18. आध्यात्मिक मिलन की नाट्यमयी संस्तुति 145  
-बारहमासा तुखारी-डॉ. नयना शर्मा
19. वर्तमान समाज में गुरु नानक वाणी की प्रासंगिकता 151  
-केवल कुमार, प्रोफेसर (डॉ.) राजिन्द्र पाल सिंह 'जोश'
20. गुरु नानक : क्रान्तिकारी संत कवि 165  
-डॉ. तजिन्दर भाटिया
21. गुरु नानक वाणी में दार्शनिक विचार 172  
-डॉ. सीमा कंवर
22. Architecture of the Japuji 179  
-Dr SS Bhatti
23. Guru Nanak's Vision of an Ideal Man 226  
-Dr. Arvinder Singh
24. A study on Guru Nanak Dev Ji's vision for the world – 234  
A Ray of Hope in the Dark Tunnel of Cynicism  
-Dr. Aparna Sharma
25. Artistic Approach to Guru Nanak's Janamsakhi: 243  
A Source of Visual Inspiration  
-Pooja Sharma
26. Sikhism as a Remedy for the Degenerating Hinduism: 257  
Viewing Guru Nanak as a Social Reformer  
-Kanika Bhalla
27. Reclaimed, partially retrieved but not restored: 263  
Reflections on Guru Nanak's legacy in Pakistan  
-Ravneet Kaur
28. From 'word' the guru to Microsoft Word: Ubiquitous 272  
Relevance of the *Jot and Jugat* concept of Guru and Sikh  
in Guru Nanak Dev Ji's Gurbani  
-Ms. Sukhpreet Bhatia
29. Gurunanak's Pedagogy of Emancipation: A Critique of 281  
Caste Hegemony through selected short stories  
-Dr. Rajesh Kumar Jaiswal

# Artistic Approach to Guru Nanak's Janamsakhi: a Source of Visual Inspiration

Pooja Sharma\*

**Keywords:** Guru Nanak, Janamsakhi, visual, inspiration, illustration, manuscripts,

## Introduction

The different forms of art, be it music, drama, sculptures, paintings, printmaking, murals and a lot more, are influenced by religion in one or the other. The dominant religions in India Hinduism, Buddhism, Islam, and Sikhism are found to be inspired by art forms. Artists are always motivated from mythological tales of such religions carved out such astounding pieces of paintings that have become a standard. Religion motivates the artists to paint divinities along with human behavior. A painted figure is equivalent to its subject, it not only has "a life of its own but the subject's own life." (Archer 1960, 11). Sikh art attained its new splendid heights and expanded boundaries during Maharaja Ranjit Singh regime. His role as an admirer and epicure of art, encouraged and facilitated the development of Sikh art. The literal definition of Sikh art thus remains Art by, for and or about Sikhs (Brown 1999, 17). The early Sikh art was a numerous combination of the Sikh religious themes, the life events of Guru Nanak, as illustrated in Janamsakhis, portraits of Sikh Gurus, ideals of Sikh life and philosophy of Sikh faith. At that stage, the Sikh themes were the spirit of Sikh art rather than style. While Sikh art was essentially thematic in content and spirituality was its all-adoring flavour during this period. Sikhism also provided themes for visual representation. The different forms of art were the reigning elements to spread the Sikhism theme and its values. Gradually the depiction of visuals in the Janamsakhis appropriately started establishing the new sort of Sikh art. The appearance of these religiously and spiritually charged visuals in Janamsakhis impacted awareness of the people in terms of its content, stylization and a visual implication. The Janamsakhis have been

---

\*Assistant Professor, MCM DAV College for Women, Chandigarh





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ  
ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

ਮੁਖਯ ਸੰਪਾਦਕ  
ਪ੍ਰੋਫ਼ੈਸਰ (ਡੌ.) ਰਾਜਿੰਦ੍ਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ

ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

(ਸਮਾਲੋਚਨਾ)

ਮੁਖਯ ਸੰਪਾਦਕ

ਪ੍ਰੋਫੈਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ

**COMPLIMENTARY COPY**



ਸ੍ਰਿਣਿ  
ਪ੍ਰਕਾਸ਼ਨ  
ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਸਿੰਗ ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ

ISBN:978-93-90814-28-2

Published, Printed & bound by  
**SRISHTI PRAKASHAN**  
Shop No 06, Star Complex 02  
First Floor, Sector 41-B,  
U.T. Chandigarh -160036, India  
email : srishtiprakashanchd@gmail.com  
website : www.srishtiprakashan.com  
Ph. 0172-5017991, +91-97819-15473

Copyright : Prof. (Dr.) Rajinder Pal Singh 'Josh'  
Edition : First 2021  
M.R.P. : 499/-  
Cover by : Kewal Kumar  
Laser Typesetting : GK Graphics, Chandigarh

साहिब-ए-किताब गुरु तेग बहादुर

प्रो.(डॉ.) राजिन्द्र पाल सिंह जोश (मुख्य सम्पादक)

डा. अमरदीप कौर (संपादक)

Produced and bound in India

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, filming or otherwise, without the prior permission of the author & publication.

This book has been published with all efforts taken to make the material error-free after the consent of the author. However, the author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. While every effort has been made to avoid any mistake or omission, this publication is being sold on the condition and understanding that neither the author nor the publishers or printers would be liable in any manner to any person by reason of any mistake or omission in this publication or for any action taken or omitted to be taken or advice rendered or accepted on the basis of this work. For any defect in printing or binding the publishers will be liable only to replace the defective copy by another copy of this work then available.

- |  |     |
|--|-----|
| 12. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਸ਼ਹਾਦਤ ਅਤੇ ਬਾਣੀ ਦਾ ਬ੍ਰਹਿਮੰਡੀ ਪ੍ਰਵਚਨ<br>ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ   | 149 |
| 13. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਬਾਣੀ : ਦਵੰਦ ਮੁਕਤਤਾ ਦਾ ਪ੍ਰਵਚਨ<br>ਡਾ. ਹਰਪ੍ਰੀਤ ਕੌਰ                 | 158 |
| 14. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸ਼ਰਨਜੀਤ ਕੌਰ | 167 |
| 15. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸੁਖਵੀਰ ਕੌਰ   | 176 |
| 16. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ<br>ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ, ਰੋਬਿਨਾ ਸਿੰਘ        | 186 |
| 17. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦਾ ਤਿਆਗ ਅਤੇ ਬੈਰਾਗ<br>ਡਾ. ਅਸਪ੍ਰੀਤ ਕੌਰ                         | 197 |



## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ

ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ\*

ਰੋਬਿਨਾ ਸਿੰਘ\*\*

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਧਰਮ ਦੇ ਨੌਵੇਂ ਗੁਰੂ ਸਨ ਜਿਸ ਦੀ ਸਥਾਪਨਾ ਪਹਿਲੇ ਗੁਰੂ ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਨੇ ਕੀਤੀ ਸੀ। ਇਹ ਖੋਜ-ਪੱਤਰ ਸ੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਜੀਵਨ ਨੂੰ ਕਲਾਕਾਰਾਂ ਦੀਆਂ ਨਜ਼ਰਾਂ ਰਾਹੀਂ ਦਰਸਾਉਂਦਾ ਹੈ, ਕਿਵੇਂ ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਜ਼ਿੰਦਗੀ ਨੂੰ ਰੂਹਾਨੀ ਰਸਤੇ 'ਤੇ ਲਿਆਉਂਦਾ ਅਤੇ ਆਪਣੇ ਚੇਲਿਆਂ ਨੂੰ ਲਾਲਚ, ਇੱਛਾ, ਹਉਮੈ ਅਤੇ ਦੁੱਖ ਨੂੰ ਦੂਰ ਕਰਨ ਦੀ ਸਿਖਲਾਈ ਦੇ ਕੇ ਭਗਤੀ ਦਾ ਰਾਹ ਦਿਖਾਇਆ। ਇਹ ਅਧਿਆਇ ਉਹਨਾਂ ਦੀ ਵਿਚਾਰਧਾਰਾ ਤੇ ਚਾਨਣਾ ਪਾਉਣ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਦਾ ਹੈ ਗੁਰੂ ਜੀ ਦੀ ਮਹਾਨ ਸ਼ਖਸੀਅਤ ਨੂੰ ਭਾਰਤੀ ਕਲਾਕਾਰਾਂ ਦੇ ਚਿੱਤਰਾਂ ਦੁਆਰਾ ਇਸ ਅਧਿਆਇ ਵਿਚ ਵਿਚਾਰਿਆ ਗਿਆ ਹੈ। ਇਸ ਅਧਿਆਇ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਵਿਅਕਤੀਤਵ ਬਾਰੇ ਕਲਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਦੁਆਰਾ ਦੱਸਿਆ ਗਿਆ ਹੈ। ਚਿੱਤਰਕਾਰੀ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਹੁਪੱਖੀ ਸ਼ਖਸੀਅਤ ਦੀ ਕਲਾਤਮਕ ਪਹੁੰਚ ਦੇ ਨਾਲ ਰੰਗ, ਰੂਪ, ਅਤੇ ਮੁਦਰਾ ਦੀ ਪ੍ਰਸੰਸਾ ਕੀਤੀ ਗਈ ਹੈ।

Like the shadow of a cloud

Whatever you see must disappear.

-Guru Tegh Bahadur ji (Duggal 1993, 178)

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ, ਜਿਨ੍ਹਾਂ ਨੂੰ 'ਬਾਬਾ ਬਕਾਲਾ' ਵੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ, ਦਾ ਜਨਮ ਸੰਨ 1621 ਵਿਚ ਅੰਮ੍ਰਿਤਸਰ ਦੇ ਗੁਰੂ ਮਹਿਲ ਵਿਖੇ ਹੋਇਆ ਸੀ ਅਤੇ ਉਹ ਛੇਵੇਂ ਸਿੱਖ ਗੁਰੂ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੇ ਸਭ ਤੋਂ ਛੋਟੇ ਪੁੱਤਰ ਸੀ (ਵਿਲੋ 2015, 177)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ 1675 ਵਿਚ ਕਸ਼ਮੀਰੀ ਪੰਡਤਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਚਾਉਣ ਲਈ ਆਪਣੀ ਜਾਨ ਕੁਰਬਾਨ ਕਰ ਦਿੱਤੀ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸੰਨਿਆਸੀ ਬਣਨ ਤੋਂ ਪਹਿਲਾਂ ਮਹਾਨ ਯੋਧਾ ਸਨ। ਉਹਨਾਂ ਦਾ ਜਨਮ ਦੇ ਸਮੇਂ ਨਾਮ ਤਿਆਗਮਲ ਸੀ। ਬਚਪਨ ਤੋਂ ਹੀ, ਉਹਨਾਂ ਨੇ ਨਾ ਸਿਰਫ ਸਾਹਿਤ ਸਿੱਖਿਆ,

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ ਤੇ ਮੁੱਖੀ, ਵਾਈਨ ਆਰਟ ਵਿਭਾਗ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

ਸਿੱਖਾਂ ਅਤੇ ਮੁਗਲ ਫੌਜਾਂ ਵਿਚਕਾਰ ਲੜੀਆਂ ਲੜਾਈਆਂ ਦੌਰਾਨ ਤਲਵਾਰ ਚਲਾਉਣ, ਸਿਕਾਰ ਕਰਨਾ ਅਤੇ ਤਲਵਾਰ ਵਰਤਣ ਦੀ ਵੀ ਸਿਖਾਈ ਲਈ। ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਨਾਲ ਰੱਖਿਆ, ਜਿਸ ਕਾਰਨ ਉਹਨਾਂ ਨੂੰ ਕਾਰਜਾਂ ਦੀ ਯੋਜਨਾ ਅਤੇ ਲੜਾਈ ਦੇ ਵੱਖੋ-ਵੱਖਰੇ ਪੌਤਰਿਆਂ ਦੀ ਬਹੁਤ ਵੱਡੀ ਜਾਣਕਾਰੀ ਮਿਲੀ। ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਪਹਿਲੀ ਲੜਾਈ 1638 ਵਿਚ ਲੜੀ, ਜਦੋਂ ਉਹ ਸਿਰਫ 17 ਸਾਲਾਂ ਦੇ ਸੀ, ਇਸ ਲਈ ਬੜੀ ਬਹਾਦਰੀ ਨਾਲ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਪਿਤਾ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੁਆਰਾ ਤਲਵਾਰ ਦਾ ਮਾਲਕ, 'ਤੇਗ ਬਹਾਦਰ' ਦੀ ਉਪਾਧੀ ਪ੍ਰਾਪਤ ਹੋਈ (ਵਿਲੋ 2015, 178)। ਨਿਡਰ ਯੋਧਾ ਹੋਣ ਦੇ ਬਾਵਜੂਦ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਇਕ ਹਮਦਰਦ ਵਿਅਕਤੀ ਸਨ। ਲੜਾਈਆਂ ਦੁਆਰਾ ਪੈਦਾ ਹੋਈ ਤਬਾਹੀ ਦੇ ਕਾਰਨ ਉਹਨਾਂ ਨੇ ਸੰਨਿਆਸ ਲਿਆ ਅਤੇ ਉਹ ਧਰਮ ਦੇ ਮਾਰਗ 'ਤੇ ਚੱਲਣ ਲਈ ਪ੍ਰੇਰਿਤ ਹੋਏ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਤਪੱਸਿਆ ਦੇ ਕਾਰਨ, ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਆਪਣੇ ਭਰਾ ਦੇ ਪੁੱਤਰ, ਹਰ ਰਾਏ, ਨੂੰ ਅਕਲਾ ਸਿੱਖ ਗੁਰੂ ਬਣਾਉਣ ਦਾ ਫੈਸਲਾ ਕੀਤਾ। ਅਖੀਰ ਵਿੱਚ ਘਟਨਾਵਾਂ ਦੇ ਮੌਤ ਦੇ ਨਾਲ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੂੰ 1664 ਵਿੱਚ ਨੌਵਾਂ ਸਿੱਖ ਗੁਰੂ ਨਿਯੁਕਤ ਕੀਤਾ ਗਿਆ ਸੀ। (ਗਰੇਵਾਲ 2019, 52)

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਹੋਣ ਤੋਂ ਬਾਅਦ ਅੰਮ੍ਰਿਤਸਰ ਚਲੇ ਗਏ ਅਤੇ ਬਾਅਦ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਸ਼ਹਿਰ ਦੀ ਸਥਾਪਨਾ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਕੀਰਤਪੁਰ ਨੇੜੇ ਕੀਤੀ ਗਈ ਸੀ। ਸਿੱਖ ਗੁਰੂ ਹੋਣ ਦੇ ਸਮੇਂ ਉਹਨਾਂ ਨੇ ਦੇਸ਼ ਭਰ ਦੀ ਯਾਤਰਾ ਕੀਤੀ ਅਤੇ ਅਖੀਰ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਜਾ ਵਸ ਗਏ। ਉਨ੍ਹਾਂ ਸਮਿਆਂ ਵਿਚ, ਔਰੰਗਜ਼ੇਬ ਦਿੱਲੀ ਵਿਖੇ ਸਮਰਾਟ ਸੀ ਅਤੇ ਉਸ ਦੀਆਂ ਮੁਗਲ ਫੌਜਾਂ ਗੈਰ ਮੁਸਲਮਾਨਾਂ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਦਲਣ ਲਈ ਤੰਗ ਕਰ ਰਹੀਆਂ ਸਨ (ਗੁਪਤਾ 1984, 202)। ਜਿਵੇਂ ਕਿ ਸਿੱਖ ਗੁਰੂ ਦੀਆਂ ਮਾਨਵਤਾਵਾਦੀ ਸ਼ਖਸੀਅਤਾਂ ਦਾ ਬਚਨ ਵਿਆਪਕ ਤੌਰ ਤੇ ਫੈਲਿਆ, ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣਾਂ ਦਾ ਵਫ਼ਦ ਗੁਰੂ ਦੀ ਸਹਾਇਤਾ ਲਈ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਆਇਆ। ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣ ਦੇ ਉਦੇਸ਼ ਲਈ ਆਪਣੇ ਆਪ ਨੂੰ ਕੁਰਬਾਨ ਕਰਨ ਲਈ ਆਪਣੇ ਛੋਟੇ ਬੇਟੇ ਗੋਬਿੰਦ ਰਾਏ ਦੇ ਸਮਰਥਨ ਨਾਲ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਦੇ ਹਮਦਰਦ ਸੁਭਾਅ ਦੀ ਇਕ ਮਹਾਨ ਮਿਸਾਲ ਕਾਇਮ ਕੀਤੀ। ਗੁਰੂ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਨੂੰ ਇਸ ਸੰਦੇਸ਼ ਨਾਲ ਵਾਪਸ ਆਉਣ ਲਈ ਕਿਹਾ ਕਿ ਜੇ ਸਿੱਖ ਗੁਰੂ ਮੁਸਲਮਾਨ ਬਣ ਜਾਣਗੇ ਤਾਂ ਸਾਰੇ ਬ੍ਰਾਹਮਣ ਆਪਣਾ ਧਰਮ ਬਦਲ ਦੇਣਗੇ (ਵਿਲੋ 2015, 191)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਔਰੰਗਜ਼ੇਬ ਦੁਆਰਾ ਸੰਮਨ 'ਤੇ ਦਿੱਲੀ ਰਵਾਨਾ ਹੋਣ ਤੋਂ ਪਹਿਲਾਂ ਆਪਣੇ ਪੁੱਤਰ ਗੋਬਿੰਦ ਰਾਏ ਨੂੰ ਦਸਵੇਂ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਕੀਤਾ, ਕਿਉਂਕਿ ਉਹ ਜਾਣਦੇ ਸਨ ਕਿ ਉਥੇ ਉਨ੍ਹਾਂ ਨਾਲ ਕੀ ਵਾਪਰਨਾ ਸੀ। ਇਹ ਸੰਨ





# **SOCIAL JUSTICE & HUMAN RIGHTS IN INDIA**

EDITED BY  
**NAMITA GUPTA**



ISBN 978-81-316-1151-7

© Contributors, 2021

No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or by any information storage and retrieval system, without permission in writing from the publishers.

*Published by*

**Prem Rawat for Rawat Publications**

Satyam Apts, Sector 3, Jawahar Nagar, Jaipur 302 004 (India)

Phone: 0141 265 1748 / 265 7006

E-mail: info@rawatbooks.com

Website: www.rawatbooks.com

*New Delhi Office*

4858/24, Ansari Road, Daryaganj, New Delhi 110 002

Phone: 011 2326 3290

*Also at Bangalore, Guwahati and Kolkata*

Printed by Rawat Computers, Jaipur

Printed and bound in India

## Contents

---

<i>Contributors</i>	7
<i>Introduction</i>	11
1 Development Induced Displacement and Resettlement in India: Laws and Policies <i>Namita Gupta and Rajiv Kumar Gupta</i>	17
2 Mental Health Care Reforms in India: Adoption of Rights-Based Approach <i>Bhawna Gupta and Twinkle Attrey</i>	32
3 Crime Against Women: Reasons and Remedies <i>Kamla and Emanuel Nahar</i>	50
4 Human Rights and Police Ethics: Policy and Practice <i>Kuldeep Singh</i>	64
5 Behind the Stitches: A Case Study of Home-based Workers Working for Boutiques <i>Anu H. Gupta and Rati Arora</i>	80
6 Role of Asha Workers in Realizing Right to Health: A Study from Rural Punjab <i>Deepika Gupta</i>	97



## Behind the Stitches

### A Case Study of Home-based Workers Working for Boutiques

ANU H. GUPTA AND RATI ARORA

---

Home-based workers constitute an important segment of informal workforce globally. These workers carry out remunerative work within their homes or in the surrounding grounds (Sinha, 2006) and contribute immensely in different work sectors as textiles and apparel: weaving, stitching, embroidery, food processing, preparation and packaging, and other lifestyle or daily need based items like preparation of *papads* (Indian cracker made out of split back or yellow gram lentils), garlands, bangle making, *agarbatti* (incense), etc. Though technology and digitalization have revolutionized the industry but helping hands of these workers are utilized in various trades. Globalization, industrial growth, requirement of low cost labour market has contributed towards the proliferation in home-based work (Raza, 2009). Some other factors for this upsurge are financial crisis faced by factories or companies and cost cutting by firms by hiring workers on contract instead of regular basis.

Bain (2015) elaborates the engagement of home-based workers especially women in mass-produced clothing but at pittance or low rates. According to WIEGO (Women in Informal Employment: Globalizing and Organizing) (cf. Bain, 2015), there are approximately 12.5 million home workers in India and more than 3.5 million are likely part of the supply chains for many local and international fashion brands. WIEGO estimates that more than half of all items manufactured in modern India are home-based, which

includes people's actual homes but also small, informal workshops set up beside them. The irregularity of work, invisibility of the worker, low remuneration, no unions, many a times involvement of children in the home-based work and moreover, more vulnerability to exploitation are some of the issues of concern.

Firth, Creative director Eco-Age narrate how human rights are violated in a garment factory in Bangladesh:

We are increasingly disconnected from the people who make our clothing as 97% of items are now made overseas. There are roughly 40 million garment workers in the world today; many of whom do not share the same rights or protections that many people in the West do. They are some of the lowest paid workers in the world and roughly 85% of all garment workers are women. The human factor of the garment industry is too big to ignore; as we consistently see the exploitation of cheap labour and the violation of workers', women's, and human rights in many developing countries across the world.

The flourishing demand of clothing has made dresses as the fastest growing segment for India's retailers (Jain and Anand, 2015). Desire to have unique and customised apparel has led to increase in boutiques (a small shop selling fashionable clothes or accessories) along with the readymade garment outlets. A major part of the work in a boutique is accomplished by home-based workers. In order to explore about the work of home-based workers in these boutiques, the constraints faced by the workers, to check the level of awareness of these workers regarding their rights and various policies of government for home-based workers, a study was undertaken where twenty home-based workers residing in different locations of Mohali through snow ball sampling technique were taken as a sample and case study method was implied to generate data. A semi-structured interview schedule was administered to get information from the home-based workers working for boutiques. Questions were asked about the reasons to choose this work, awareness about various labour rights and policies, problems encountered by them while working, etc.

#### Home-based Workers: Concept and their Rights

Home-based workers produce goods or services for the market from in or around their own homes. In order to offer protection to



Amrita Poonia · Tejpal Dhewa *Editors*

# Edible Food Packaging

Applications, Innovations and  
Sustainability

 Springer



---

# Edible Food Packaging



---

Amrita Poonia • Tejpal Dhewa  
Editors

# Edible Food Packaging

Applications, Innovations  
and Sustainability

 Springer



*Editors*

Amrita Poonia  
Department of Dairy Science and Food  
Technology  
Institute of Agricultural Sciences, Banaras  
Hindu University  
Varanasi, Uttar Pradesh, India

Tejpal Dhewa  
Department of Nutrition Biology  
Central University of Haryana  
Mahendragarh, Haryana, India

ISBN 978-981-16-2382-0

ISBN 978-981-16-2383-7 (eBook)

<https://doi.org/10.1007/978-981-16-2383-7>

© The Editor(s) (if applicable) and The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors, and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd.  
The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore



**Part IV Packaging Edibles and Their Regulatory Aspects**

- 20 Packaging Edibles: New Challenges and Regulatory Aspects . . . . .** 387  
Mamta Prajapati
- 21 Edible and Oral Thin Films: Formulation, Properties, Functions, and Application in Food Packaging and Pharmaceutical Industry . . . . .** 411  
Himani, Mohit Singla, Pramod K. Prabhakar, Arun Sharma, and Murlidhar Meghwal
- 22 Consumer Acceptance to Commercial Applications of Packaging Edibles . . . . .** 433  
Sandeep Kaur, Anila Kumari, and Vandana Sharma

**Part V Innovations in Packaging Edibles in Other Sectors**

- 23 Recent Trends in Packaging . . . . .** 449  
Sujata Pandit Sharma
- 24 Edible Packaging of Liquid Foods . . . . .** 461  
Bhasha Sharma, Meenakshi Garg, Rajni Chopra, and Susmita Dey Sadhu
- 25 Nanoedibles: Recent Trends and Innovations . . . . .** 481  
Anu Kumar, Mrinal Samtiya, and Tejpal Dhewa
- 26 Edible Packaging: A Vehicle for Functional Bioactive Compounds . . . . .** 489  
Vandana Chaudhary, Neha Thakur, and Suman Bishnoi
- 27 Antimicrobial Edible Packaging: Applications, Innovations, and Sustainability . . . . .** 513  
A. Poovazhahi and Monika Thakur
- 28 Antioxidant-Rich Edible Packaging . . . . .** 527  
Himanshi Garg, Soumya Ranjan Purohit, Vasudha Sharma, and Jatindra Kumar Sahu



# Consumer Acceptance to Commercial Applications of Packaging Edibles

# 22

Sandeep Kaur, Anila Kumari, and Vandana Sharma

## Abstract

The advent of novel green technologies revolutionizing the food industry has marked the beginning of a new era in the food sector with an aim to enhance the safety, nutritional value and sustainability of food. One of these technologies is the bio-based or edible packaging arising from concerted research focused on studying alternatives to regular plastic packaging in an attempt to reduce the CO<sub>2</sub> footprint. Although edible packaging enjoys the reputation of being biodegradable, eco-friendly and sustainable, its success in the market is finally dictated by consumer's behaviour and attitude towards adopting the newly introduced packaging technology. Many consumers exhibit the pre-conceived notion that technology may interfere with the state of naturalness, taste, nutrition and health aspects of their food item leaving them in a state of confusion enhancing their food neophobia. This along with limited knowledge about food processing and incorrect perceptions of the negative environmental impact of using plastic-based conventional packaging technique represent major challenges for the success of new packaging-based ideas in the food industry. The present chapter, thus, aims to discuss the factors dictating consumer perceptions and their behaviour. Further, it focusses on delineating the strategies to enhance the acceptability and adoption rates of edible packaging for their market stay and survival. This will enable to understand the barriers faced and the solution factors which must be stressed by the innovators and the launching platform while planning to introduce such novel packaging edibles in the market for longer sustenance and success.

S. Kaur · A. Kumari · V. Sharma (✉)

Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, India

© The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

433

A. Poonia, T. Dhewa (eds.), *Edible Food Packaging*,  
[https://doi.org/10.1007/978-981-16-2383-7\\_22](https://doi.org/10.1007/978-981-16-2383-7_22)



ਆਈ ਪੰਥੀ ਸਗਲ ਜਮਾਤੀ

ਆਈ ਪੰਥੀ ਸਗਲ ਜਮਾਤੀ

Aayi Panthi Sagal Jamati



ਡਾ. ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ ਜੋਸ਼ (ਪ੍ਰੋਫੈਸਰ )

**Aaei Panthi Sagal zmati**  
*By*  
**Dr. Rajinder Pal Singh Josh**

2021

Published by Lokgeet Parkashan  
printed & bound by Unistar Books Pvt. Ltd.  
301, Industrial Area, Phase-9,  
S.A.S. Nagar, Mohali-Chandigarh (India)  
email : unistarbooks@gmail.com  
website : www.unistarbooks.com  
Ph. +91-172-5027427, 5027429, 4027552

© 2021

*Produced and bound in India*

*All rights reserved*

*This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the above-mentioned publisher of this book.*



16.	ਜੀਵਨ ਚੁਗਤ ਅਤੇ ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ—ਹਰਨੀਤ ਕੌਰ	115
17.	ਯੁਗ ਪੁਰੁਸ਼ : ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ -ਪ੍ਰੋਫੇਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼', ਪ੍ਰਿੰਸਿਪਲ ਜੈਸਮਿਨ 'ਜੋਸ਼'	122
18.	ਆਧਿਆਤਮਿਕ ਮਿਲਨ ਦੀ ਨਾਟਯਮਯੀ ਸੰਸ੍ਰੁਤਿ -ਬਾਰਹਮਾਸਾ ਤੁਖਾਰੀ-ਡਾ. ਨਯਨਾ ਸ਼ਰਮਾ	145
19.	ਵਰਤਮਾਨ ਸਮਾਜ ਮੇਂ ਗੁਰੂ ਨਾਨਕ ਵਾਣੀ ਕੀ ਪ੍ਰਾਸੰਗਿਕਤਾ -ਕੇਵਲ ਕੁਮਾਰ, ਪ੍ਰੋਫੇਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'	151
20.	ਗੁਰੂ ਨਾਨਕ : ਕ੍ਰਾਨ੍ਤਿਕਾਰੀ ਸੰਤ ਕਵਿ -ਡਾ. ਤਜਿੰਦਰ ਭਾਟਿਯਾ	165
21.	ਗੁਰੂ ਨਾਨਕ ਵਾਣੀ ਮੇਂ ਦਾਰਸ਼ਨਿਕ ਵਿਚਾਰ -ਡਾ. ਸੀਮਾ ਕੰਵਰ	172
22.	Architecture of the Japuji -Dr SS Bhatti	179
23.	Guru Nanak's Vision of an Ideal Man -Dr. Arvinder Singh	226
24.	A study on Guru Nanak Dev Ji's vision for the world – A Ray of Hope in the Dark Tunnel of Cynicism -Dr. Aparna Sharma	234
25.	Artistic Approach to Guru Nanak's Janamsakhi: A Source of Visual Inspiration -Pooja Sharma	243
26.	Sikhism as a Remedy for the Degenerating Hinduism: Viewing Guru Nanak as a Social Reformer -Kanika Bhalla	257
27.	Reclaimed, partially retrieved but not restored: Reflections on Guru Nanak's legacy in Pakistan -Ravneet Kaur	263
28.	From 'word' the guru to Microsoft Word: Ubiquitous Relevance of the <i>Jot and Jugat</i> concept of Guru and Sikh in Guru Nanak Dev Ji's Gurbani -Ms. Sukhpreet Bhatia	272
29.	Gurunanak's Pedagogy of Emancipation: A Critique of Caste Hegemony through selected short stories -Dr. Rajesh Kumar Jaiswal	281

# गुरु नानक वाणी में दार्शनिक विचार

डॉ. सीमा कंवर

संस्कृत विभाग

एम.सी.एम. डी.ए.वी. कॉलेज फॉर वूमैन

सैक्टर 36-ए, चंडीगढ़

‘दर्शन’ जीवन का अभिन्न अंग है जिस दिन से मानव मस्तिष्क ने सोचना-विचारना प्रारम्भ किया उसी दिन से दर्शन का जन्म हुआ। प्राचीन काल से आज तक दर्शन अविच्छिन्न रूप से भारतीय साहित्य में व्यापक रूप दिखाई देता है, इसी कारण भारत को ‘दार्शनिकों का देश’ कहा जाता है।

‘दर्शन’ विचारों की ऐसी परम्परा है जो धर्म के समान मानव को उन्नत, श्रेयस्कर बनाती हुई संसार के समस्त बन्धनों से मुक्त करती है और आत्मा या ब्रह्म का साक्षात्कार कराती हुई उसे परम सुख और शांति प्रदान करती है। ‘दर्शन’ शब्द को स्पष्ट करते हुए उमेश मिश्र लिखते हैं, “ ‘दर्शन’ शब्द दृग् (देखना) धातु से करण अर्थ में लियुट प्रत्यय लगाकर बना है, इसका अर्थ है (जिसके द्वारा देखा जाए)। यहाँ इतना और भी विचार करना उचित है कि देखा जाए पद का साक्षात् अर्थ, ज्ञान प्राप्त किया जाए भी हो सकता है या नहीं। ज्ञान प्राप्त करने के लिए और भी अनेक उपाय हैं, किन्तु सब से निश्चित अर्थात् विश्वसनीय उपाय है-‘प्रत्यक्ष उपाय-आँखों से देखना।’”

यूनान के बाद भारत ही प्राचीन काल में दर्शन का दूसरा महत्वपूर्ण केन्द्र माना जाता था। भारतीय संस्कृति में पाये जाने वाले विचारों एवं दार्शनिक सिद्धांतों का स्वरूप हमें उपनिषदों में दिखाई देता है। हमारे यहाँ प्रचलित सांख्य, योग, न्याय, वैशेषिक आदि नास्तिक दार्शनिक मतों के मुख्य सिद्धांत उपनिषदों में मिल जाते हैं। ईश्वर के संबंध में प्रचलित द्वैत, अद्वैत, विशिष्टाद्वैत आदि विभिन्न दार्शनिक विचारधाराएँ भी उपनिषदों पर आधारित हैं। सभी संप्रदायों का उद्देश्य मानव कल्याण के लिए ब्रह्म का साक्षात्कार कराना है और मानव को सांसारिक बन्धनों के मुक्त कर सुख की प्राप्ति की ओर अग्रसर करना है। वास्तव में ज्ञान लाभ कराना ही सभी दर्शनों का मुख्य प्रयोजन बन जाता है।



---

---

# **SIMMERING SILENCES AND BENEATH**

**An Anthology of Gender Issues in India**

---

---

**Dr. Zeenat Khan**

*Sr. Assistant Professor  
Postgraduate Department of English*

**Pallavi Kapila**

*Assistant Professor  
Department of Sociology*

**Urvi Sharma**

*Assistant Professor  
Postgraduate Department of English*

*Mehr Chand Mahajan DAV College for Women,  
Sector-36, Chandigarh*



*Arun Publishing House  
SCO 49-51, Sector - 17C,  
Chandigarh - 160 017 (India)*

*Arun Publishing House*  
SCO 49-51, SECTOR 17 C,  
CHANDIGARH - 160 017  
EMAIL: arunpublishing@gmail.com  
Tel. - (0172) - 2702189

**Sales/Liaison/Warehouses-Godowns/Stokists/Distributors/Branches**

Chandigarh>New Delhi>Bengaluru>Hyderabad>Cochin>Goa>  
Guwahati>Derabassi>Australia>Canada

**Australia-** 3/62, Canterbury Road, Hurlstone Park, NSW 2193  
(email: neapen.aus@gmail.com)

**Canada-** (email: neapen.ca@gmail.com)

**SIMMERING SILENCES AND BENEATH: An Anthology of Gender Issues in India-**  
Zeenat Khan, Pallavi Kapila, Urvi Sharma

*International Standard Book Number (ISBN): 978-81-8048-299-1*

**First Published: 2021**

© 2021 Author

All rights reserved. This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved, No part of this publication may be reproduced, stored in or introduced into a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of both the copyright owner and the publisher of this book.

The views and opinions expressed in this book are the author's own and the facts verified to the extent possible are as reported by the author/s have been reproduced and the publishers in no way are responsible/liable for any affect on account of any expression, whatsoever. Any assertion regarding proprietary name/trademark etc. should not be taken as affecting the legal status of these names/marks.

*Designed and Photo-composed at:*  
New Era Book Agency  
SCO 49-51 (Basement), Sector - 17C  
Chandigarh - 160 017 (India)  
Tel.: 2702318

Printed in India

₹ 995.00

*Published by and printed through Arun Publishing House, Chandigarh - 160 017 (India)*



## “Womanism”: Navigations Through Indian Feminism

**Dr. Sunaina Jain**

*Abstract:* Alice Walker's definition of "Womanism" which refers to black feminism enumerated in *In Search of our Mothers' Gardens* (1983) is integral to any scholarship carried out to understand her philosophy of life as she affirmed her reputation as a black feminist. Womanism, both in theory and practice, stemmed from the exclusionary practices of Western feminism which overlooked the concerns and issues of Black women, women from other ethnic minorities and also the Third World women. The present paper seeks to explore the rationality, feasibility and applicability of the concept of Womanism within the context of Indian feminism. As 'Womanism' implies heterogeneity of perspectives as opposed to the homogenised Western middle-class feminism, similarly Indian feminism is not a monolithic category. The paper would analyse the writings and activism of the selected Indian women writers and activists who have been challenging hierarchies and patriarchal mind-set; who have experienced or witnessed multiple levels of oppression; and who also probe into intersections among class, gender, ethnicity, and colour. The selected feminists for this study include two Dalit feminists— Meena Kandasamy and Pradnya Daya Pawar, a celebrity actress-cum-poet Kalki Koechlin, and acid attack victim turned activist Laxmi Aggarwal. The present paper is an attempt to investigate into and understand how feminists belonging to different class structures navigate through tenuous histories of oppression, socio-economic and cultural contexts, and political vilification in order to assert their agency, autonomy and subjectivity, and contribute to feminist thought and praxis. The socio-economic, cultural and academic background may be different but they have tried to engage with feminist perspectives; and at the same time, they have expanded, challenged, and revolutionised feminism in their own ways.

**Keywords:** womanism, Indian feminism, activism, dissent, celebrity

*"When life descends into the pit/I must become my own candle/  
Willingly burning myself /To light up the darkness around me.*

— Alice Walker, *We are the Ones We Have Been Waiting For*

Alice Walker is an African-American writer, social activist and environmentalist whose life and activism have been exemplary in many ways and whose struggle against all forms of oppression embodies resilience, grit, rebellion, and at the same, an unconditional recognition of interconnectedness of all life forms. She has used her writings as a strategic tool to uncover ways in which women and other marginalised classes have been culturally perceived by and represented in the society, and often stifled by this act of perception which frequently labels them inferior to men. Her book *In Search of our Mothers' Gardens* (1983) is integral to any

Amrita Poonia · Tejpal Dhewa *Editors*

# Edible Food Packaging

Applications, Innovations and  
Sustainability

 Springer



---

# Edible Food Packaging

---

Amrita Poonia • Tejpal Dhewa  
Editors

# Edible Food Packaging

Applications, Innovations  
and Sustainability

 Springer



*Editors*

Amrita Poonia  
Department of Dairy Science and Food  
Technology  
Institute of Agricultural Sciences, Banaras  
Hindu University  
Varanasi, Uttar Pradesh, India

Tejpal Dhewa  
Department of Nutrition Biology  
Central University of Haryana  
Mahendragarh, Haryana, India

ISBN 978-981-16-2382-0

ISBN 978-981-16-2383-7 (eBook)

<https://doi.org/10.1007/978-981-16-2383-7>

© The Editor(s) (if applicable) and The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors, and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd.  
The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore

**Part IV Packaging Edibles and Their Regulatory Aspects**

- 20 Packaging Edibles: New Challenges and Regulatory Aspects . . . . .** 387  
Mamta Prajapati
- 21 Edible and Oral Thin Films: Formulation, Properties, Functions, and Application in Food Packaging and Pharmaceutical Industry . . . . .** 411  
Himani, Mohit Singla, Pramod K. Prabhakar, Arun Sharma, and Murlidhar Meghwal
- 22 Consumer Acceptance to Commercial Applications of Packaging Edibles . . . . .** 433  
Sandeep Kaur, Anila Kumari, and Vandana Sharma

**Part V Innovations in Packaging Edibles in Other Sectors**

- 23 Recent Trends in Packaging . . . . .** 449  
Sujata Pandit Sharma
- 24 Edible Packaging of Liquid Foods . . . . .** 461  
Bhasha Sharma, Meenakshi Garg, Rajni Chopra, and Susmita Dey Sadhu
- 25 Nanoedibles: Recent Trends and Innovations . . . . .** 481  
Anu Kumar, Mrinal Samtiya, and Tejpal Dhewa
- 26 Edible Packaging: A Vehicle for Functional Bioactive Compounds . . . . .** 489  
Vandana Chaudhary, Neha Thakur, and Suman Bishnoi
- 27 Antimicrobial Edible Packaging: Applications, Innovations, and Sustainability . . . . .** 513  
A. Poovazhahi and Monika Thakur
- 28 Antioxidant-Rich Edible Packaging . . . . .** 527  
Himanshi Garg, Soumya Ranjan Purohit, Vasudha Sharma, and Jatindra Kumar Sahu





# Consumer Acceptance to Commercial Applications of Packaging Edibles

# 22

Sandeep Kaur, Anila Kumari, and Vandana Sharma

## Abstract

The advent of novel green technologies revolutionizing the food industry has marked the beginning of a new era in the food sector with an aim to enhance the safety, nutritional value and sustainability of food. One of these technologies is the bio-based or edible packaging arising from concerted research focused on studying alternatives to regular plastic packaging in an attempt to reduce the CO<sub>2</sub> footprint. Although edible packaging enjoys the reputation of being biodegradable, eco-friendly and sustainable, its success in the market is finally dictated by consumer's behaviour and attitude towards adopting the newly introduced packaging technology. Many consumers exhibit the pre-conceived notion that technology may interfere with the state of naturalness, taste, nutrition and health aspects of their food item leaving them in a state of confusion enhancing their food neophobia. This along with limited knowledge about food processing and incorrect perceptions of the negative environmental impact of using plastic-based conventional packaging technique represent major challenges for the success of new packaging-based ideas in the food industry. The present chapter, thus, aims to discuss the factors dictating consumer perceptions and their behaviour. Further, it focusses on delineating the strategies to enhance the acceptability and adoption rates of edible packaging for their market stay and survival. This will enable to understand the barriers faced and the solution factors which must be stressed by the innovators and the launching platform while planning to introduce such novel packaging edibles in the market for longer sustenance and success.

---

S. Kaur · A. Kumari · V. Sharma (✉)

Department of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh, India

© The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022

433

A. Poonia, T. Dhewa (eds.), *Edible Food Packaging*,  
[https://doi.org/10.1007/978-981-16-2383-7\\_22](https://doi.org/10.1007/978-981-16-2383-7_22)

**SIMMERING SILENCES AND BENEATH**  
**An Anthology of Gender Issues in India**





---

---

# **SIMMERING SILENCES AND BENEATH**

**An Anthology of Gender Issues in India**

---

---

**Dr. Zeenat Khan**

*Sr. Assistant Professor  
Postgraduate Department of English*

**Pallavi Kapila**

*Assistant Professor  
Department of Sociology*

**Urvi Sharma**

*Assistant Professor  
Postgraduate Department of English*

*Mehr Chand Mahajan DAV College for Women,  
Sector-36, Chandigarh*



*Arun Publishing House*  
SCO 49-51, Sector - 17C,  
Chandigarh - 160 017 (India)

*Arun Publishing House*  
SCO 49-51, SECTOR 17 C,  
CHANDIGARH - 160 017  
EMAIL: arunpublishing@gmail.com  
Tel. - (0172) - 2702189

Sales/Liaison/Warehouses-Godowns/Stokists/Distributors/Branches

Chandigarh>New Delhi>Bengaluru>Hyderabad>Cochin>Goa>  
Guwahati>Derabassi>Australia>Canada

**Australia-** 3/62, Canterbury Road, Hurstville Park, NSW 2193  
(email: neapen.aus@gmail.com)

**Canada-** (email: neapen.ca@gmail.com)

SIMMERING SILENCES AND BENEATH: An Anthology of Gender Issues in India-  
Zeenat Khan, Pallavi Kapila, Urvi Sharma

*International Standard Book Number (ISBN): 978-81-8048-299-1*

**First Published: 2021**

© 2021 Author

All rights reserved. This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved. No part of this publication may be reproduced, stored in or introduced into a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of both the copyright owner and the publisher of this book.

The views and opinions expressed in this book are the author's own and the facts verified to the extent possible are as reported by the author/s have been reproduced and the publishers in no way are responsible/liable for any affect on account of any expression, whatsoever. Any assertion regarding proprietary name/trademark etc. should not be taken as affecting the legal status of these names/marks.

*Designed and Photo-composed at:*

New Era Book Agency  
SCO 49-51 (Basement), Sector - 17C  
Chandigarh - 160 017 (India)  
Tel.: 2702318



## Contents

### Foreword

*Dr. Nisha Bhargava, Principal, Mehr Chand Mahajan  
DAV College for Women, Chandigarh*

### Introduction

#### Chapter 1

##### **Gendered Identities in Socio- Cultural Milieu of India**

*Dr. Zeenat Khan, Sr. Assistant Professor,  
Mehr Chand Mahajan DAV College for Women, Chandigarh ..... 15*

#### Chapter 2

##### **HIV/AIDS and Health Issues: An Ethnographic Study of Most Vulnerable Community, the Transgender**

*Dr. Jagdish Mehta, Associate Professor and HOD  
(Dept of Sociology), DAV College, Sector 10, Chandigarh  
Dr. Sonu Kashyap, Assistant Professor DAV College,  
Sector 10, Chandigarh ..... 22*

#### Chapter 3

##### **Intersectionality of Caste and Gender: Victims, Violence and the Matrix of Power**

*Dr. Kauser Tasneem, Assistant Professor,  
Karim City College, Jamshedpur ..... 27*

#### Chapter 4

##### **Promoting Gender Equality through Social Dialogue: A Critique**

*Dr. Ratan Bhattacharjee, Associate Professor and Chair,  
Post Graduate Dept of English, Dum Dum Motijheel  
College, Kolkata ..... 37*

#### Chapter 5

##### **“Womanism”: Navigations Through Indian Feminism**

*Dr. Sunaina Jain, Assistant Professor, Mehr Chand  
Mahajan DAV College for Women, Chandigarh ..... 43*

#### Chapter 6

##### **Commodifying the Female Body: A Look into Bollywood Movie**

*Pallabi Maji, Research Scholar  
Dr. Arindam Modak, Associate Professor  
National Institute of Technology, Durgapur ..... 52*

**Chapter 7****On the Spectrum: Revisiting the Sociological Perspective of Sex v. Gender***Pallavi Kapila, Assistant Professor, Mehr Chand**Mahajan DAV College for Women ..... 68***Chapter 8****The Other Woman in the Other Space: Locating Prostitution and Heterotopia in the Selected Texts***Paulami Sengupta, Research Scholar, College Street**Campus, University of Calcutta ..... 74***Chapter 9****Troubled Identity: A Critical analysis of *The World that Belongs to Us: An Anthology of Queer Poetry from South Asia****Sayantani Sengupta, Research Scholar, St. Xavier's**University, Kolkata ..... 83***Chapter 10****Negative Oedipus Complex and the Quest Towards Masculinity in Arvind Adiga's *The White Tiger****Rutuja Pradhan, Researcher, University of Mumbai**..... 95***Chapter 11****Pedestalizing Female Sacrifice and Silence in the Indian Context through the Movie *Fire****Parvathi Chandrasekharan Nair, Researcher,**University of Mumbai ..... 102***Chapter 12****Corroboration of Gender during the Partition of Bengal: An Analysis of Epar Ganga Opar Ganga***Debasmita Mahajan, Research Scholar, Techno India**University, West Bengal ..... 111***Chapter 13****Coming Out and Leaving the Closet Behind: Academic Frameworks and the Future of Gender Studi***Urvi Sharma, Assistant Professor, Mehr Chand Mahajan**DAV College for Women, Chandigarh ..... 117*



## Chapter 1

## Gender Roles and Gendered Identities

### A Review of Socio-Spatial Matrix in India

**Dr. Zeenat Khan**

**Abstract:** *Gender has two aspects, one related to biology and the other to the socio-spatial construction. The main argument of most of the approaches related to Gender theory has been that gender is more of a social construct and the meanings attached to sex are socially informed and culturally disseminated. Biology as an exclusive determiner of sexual orientations is widely and equivocally challenged by majority of approaches that fall under the umbrella term 'Gender Theory'. The attempt to explain the complex human behaviour related to sex, sexuality and sexual orientations has been a major engagement in most of the sociological theories related to gender.*

*In this chapter the gendered layers of identity as understood widely in the gender discourse of India will be reflected upon. As making of the gender is a part of various constructions which are socially informed and culturally etched, this discourse naturally leads its way into the social fabric and is not easily penetrable. Hence, this chapter will review the socio-spatial matrix of India within which the roles and identities are interconnected and play the gender game in a complex way.*

**Key Words:** *Identity, Gender, Society, Culture, India.*

The understanding of making and/or unmaking of gender requires understanding of the multiple factors related to social, political, economic, religious and psychological fluxes which are constantly playing the gender-game with a subject. These gender-games weave-in so intricately with the day-to-day life of a person that almost all aspects of life, like patterns of bodily postures and gestures, feelings and desires, food choices and habits, dress-up and body image etc. are hugely affected by these gender-games and thus they consequently and inevitably become inseparable part of the gender discourse in a society. These identities thus we may say are “constructed by, and subjected to, the cultural and historical discourses within which they must operate” (Ortner 1). As Beauvoir puts it, “one is not born a woman, one becomes one” (77). Hence, cultural, ideological, or discursive formations are the wide frameworks within which identities and social positions are constructed. Therefore, it is very important to observe and study the cultural meanings and social structures that construct these gendered identities. Formally speaking, in late 1970s the works by Bourdieu, Giddens, Sahlins and Carteau, were seminal in laying down the foundations of theoretical frameworks for understanding of the cultural and social life of the individuals and formation of the gendered identities. Similarly, the

ਇਕੱਲੀ ਦਾ ਕਾਫ਼ਲਾ  
**ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ**



ਸੰਪਾਦਕ

ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ



**Ikali Da Kafla**  
**Dr. Jaspal Kaur Kaang**  
(Sanmaan Granth)

Edited by  
**Dr. Gurpreet Kaur**  
*Prof. DES-MDRC,*  
*Panjab University, Chandigarh*

**Dr. Amardeep Kaur**  
*Assistant Professor,*  
*Mehr Chand Mahajan DAV College,*  
*Sector 36, Chandigarh*

ISBN: 978-93-91236-35-9

**Edition 2021**

**International Publishers & Book Suppliers**

Saptrishi Publication approved by UGC

**Offices**

# Green Avenue, K.K. Road, Shri Muktsar Sahib

# Street 22466 133RD, Avenue South East, City : Kent,  
State: Washington, Zip Code 98042 (USA) Ph. +12532435688

#16, Fallowfield Road, LEICESTER- U.K. LES-6LQ



Published by

**Saptrishi Publication**

Plot No. 25/6, Industrial Area, Phase-2,

Near Tribune Chowk, Chandigarh.

E-mail:- [saptrishi94@gmail.com](mailto:saptrishi94@gmail.com)

94638-36591, 77174-65715

*All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system, without permission in writing from the Publisher and Editor.*

Visit us at: [www.saptrishipublication.com](http://www.saptrishipublication.com)

65. **Wishing Professor Kaang a Blissful Retirement!** : ਡਾ. ਗੁਰਿੰਦਰ ਸਿੰਘ ਮਾਨ, ਯੂ.ਐਸ.ਏ. 129
66. **ਦਿਫ਼ਤਰ ਅਤੇ ਸਿਰਫ਼ਤਰ ਦੀ ਮਿਸਾਲ ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ** : ਡਾ. ਇੰਦਰਜੀਤ ਕੌਰ 130
67. **ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ** : ਡਾ. ਇਕਬਾਲ ਸਿੰਘ ਖਿੱਲੋਂ 134

### ਭਾਗ ਚੌਥਾ - ਸਿਰਜਣਾ, ਸਨਮਾਨ ਤੇ ਸਮੀਖਿਆ

68. **ਕਾਵਿ ਚਿੱਤਰ-** ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਦੇਵਿੰਦਰ ਬੀਬਾਪੁਰੀਆ ਤੇ ਕੁਲਵੰਤ ਰਫ਼ੀਕ 136
69. **ਬੋਲ ਜਿਨ੍ਹਾਂ ਦੇ ਜੀਵਣ...** : ਡਾ. ਗੁਰਪਾਲ ਸਿੰਘ ਸੰਧੂ 137
70. **ਜਗਿਆਸੂ, ਖੋਜੀ ਤੇ ਸਮਰਪਿਤ ਅਧਿਆਪਕ** : ਡਾ. ਸੁਖਦੇਵ ਸਿੰਘ ਸਿਰਸਾ 139
71. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੀ ਨਾਵਲ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ** : ਡਾ. ਸੁਰਿੰਦਰ ਕੁਮਾਰ ਦਵੇਸ਼ਵਰ 141
72. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਬਹੁਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ** : ਡਾ. ਉਮਾ ਸੇਠੀ 143
73. **ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ 'ਚ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਕਾਸ 'ਚ ਪ੍ਰੋ. ਕਾਂਗ ਦਾ ਯੋਗਦਾਨ**: ਡਾ. ਯੋਗ ਰਾਜ 144
74. **ਬਬਦਾਂ ਦੀ ਲੋਅ:** ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਸਰਬਜੀਤ ਸਿੰਘ 146
75. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ: ਬਹੁਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ** : ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ 147
76. **ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੀ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ** : ਡਾ. ਗੁਰਮੁਖ ਸਿੰਘ 149
77. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ - ਵਿਅਕਤੀਤਵ ਤੇ ਚਿੰਤਨ** : ਡਾ. ਮਨਿੰਦਰ ਕੌਰ 157
78. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਸਮੀਖਿਆ ਜਗਤ** : ਡਾ. ਅਮਰਦੀਪ ਕੌਰ 159
79. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਗਲਪ ਆਲੋਚਨਾ-ਦ੍ਰਿਸ਼ਟੀ** : ਡਾ. ਹਰਜੀਤ ਸਿੰਘ 163
80. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਸਾਹਿਤ ਚਿੰਤਨ** : ਸੁਖਵੀਰ ਕੌਰ 169
81. **ਕਾਂਗ ਦੰਪਤੀ ਦੀ ਸਾਹਿਤ ਅਧਿਐਨ ਪ੍ਰਤਿਭਾ 'ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਵੇਕ' ਪੁਸਤਕ ਦੇ ਸੰਦਰਭ ਵਿਚ** : ਡਾ. ਸੁਖਵਿੰਦਰ ਸਿੰਘ 172
82. **ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੁਆਰਾ ਹੱਥ ਲਿਖਤ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਦੀਆਂ ਪੁਰਾਤਨ ਬੀੜਾਂ ਦੀ ਸੰਭਾਲ ਲਈ ਬਹੁਮੁੱਲੀ ਸੇਵਾ** : ਡਾ. ਅਮਰ ਸਿੰਘ 174

### ਭਾਗ ਪੰਜਵਾਂ - ਖੋਜਾਰਥੀਆਂ ਦਾ ਸਨੇਹ

83. **ਸੋਲਾਂ ਕਲਾ ਡਰਪੂਰ:** ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਰਮੇਸ਼ ਰੰਗੀਲਾ 177
84. **ਕੁਝ ਯਾਦਾਂ ਮੈਡਮ ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦੇ ਨਾਂ** : ਡਾ. ਰਾਜਪ੍ਰੀਤ ਕੌਰ ਬੈਨੀਪਾਲ 179
85. **ਵਿਲੱਖਣ ਤੇ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਸ਼ਖ਼ਸੀਅਤ ਦੇ ਮਾਲਕ** : ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਕਮਲਜੀਤ ਕੌਰ 182
86. **ਮੇਰੇ ਰੋਲ ਮਾਡਲ:** ਪ੍ਰੋ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਪੁਨੀਤ 185
87. **ਅਨੇਕਾਂ ਸਿਰਾਂ 'ਤੇ ਛਾਂ** : ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ : ਡਾ. ਦੇਵਿੰਦਰਜੀਤ ਕੌਰ 187
88. **ਗੁਰੂ ਬਿਨ ਗਤ ਨਹੀਂ** : ਡਾ. ਬਲਬੀਰ ਕੌਰ 189
89. **ਕਿਸੇ ਦੀ ਧਿਰ ਬਣ ਜਾਣ ਤੇ ਕਿਸੇ ਨੂੰ ਆਪਣੀ ਧਿਰ ਬਣਾ ਲੈਣ ਵਾਲੇ ਡਾ. ਕਾਂਗ:** ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੌਰ 191



# ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਸਮੀਖਿਆ ਜਗਤ

ਡਾ. ਅਮਰਜੀਤ ਕੌਰ  
 ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਪੰਜਾਬੀ ਵਿਭਾਗ,  
 ਮੋਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਫੁਮੈਨ,  
 ਸੀਕਟਰ-36-ਏ, ਚੰਡੀਗੜ੍ਹ

ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਪੰਜਾਬੀ ਅਧਿਐਨ ਅਤੇ ਅਧਿਆਪਨ ਨਾਲ ਜੁੜਿਆ ਅਜਿਹਾ ਨਾਮ ਹੈ ਜੋ ਕਿਸੇ ਪਹਿਚਾਣ ਵਿੱਚ ਨਹੀਂ ਹੋ ਸਕਦਾ। ਉਹਨਾਂ ਨੇ ਸਕੂਲ ਪੱਧਰ ਦੀ ਸਿੱਖਿਆ ਤੋਂ ਲੈ ਕੇ ਯੂਨੀਵਰਸਿਟੀ ਪੱਧਰ ਤੱਕ ਦੀ ਸਿੱਖਿਆ ਅੱਢਲ ਦਰਜੇ ਤੱਕ ਪਾਸ ਕੀਤੀ। ਬੀ. ਏ. ਆਨਰਜ਼ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ ਤੋਂ ਤੇ ਐੱਮ. ਏ. ਪੰਜਾਬੀ, ਐੱਮ.ਫਿਲ., ਐੱਮ.ਫੀਲ. ਦੀ ਡਿਗਰੀ ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ ਚੰਡੀਗੜ੍ਹ ਤੋਂ ਪ੍ਰਾਪਤ ਕੀਤੀ। ਐੱਮ.ਫਿਲ. ਅਤੇ ਪੀ. ਐੱਚ. ਡੀ. ਦਾ ਖੋਜ ਕਾਰਜ ਅਤੇ ਸਿੱਖ ਦੀ ਅਗਵਾਈ ਹੇਠ ਪੂਰਾ ਕੀਤਾ ਤੇ ਫਿਰ ਇਸੇ ਯੂਨੀਵਰਸਿਟੀ ਨੂੰ ਆਪਣੇ ਅਧਿਆਪਨ ਦਾ ਕਾਰਜ ਸ਼ੁਰੂ ਕਰ ਦਿੱਤਾ। ਆਪਣੇ ਜੀਵਨ ਦਾ ਵੱਡਾ ਹਿੱਸਾ ਇਸੇ ਸੰਸਥਾ ਦੇ ਵਿਕਾਸ ਲਈ ਅਰਪਣ ਕਰ ਦਿੱਤਾ। ਇਥੇ ਹੀ ਆਪਣੇ ਖੋਜ ਕਾਰਜ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਰੂਹ ਦਾ ਸਾਥੀ ਡਾ. ਅਮਰਜੀਤ ਸਿੰਘ ਕਾਂਗ ਦਾ ਸੰਯੋਗ ਪ੍ਰਾਪਤ ਹੋਇਆ। ਡਾ. ਅਮਰਜੀਤ ਸਿੰਘ ਕਾਂਗ ਨੇ ਹੀ ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਨੂੰ ਉਹਨਾਂ ਦੇ ਜ਼ਿੰਦਗੀ ਦੇ ਉਦੇਸ਼ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਇਆ ਤੇ ਜ਼ਿੰਦਗੀ ਦੇ ਹਰ ਪਲ ਉਹਨਾਂ ਦਾ ਭਰਪੂਰ ਸਹਿਯੋਗ ਦਿੱਤਾ। ਡਾ. ਜਸਪਾਲ ਕੌਰ ਦੀ ਸ਼ਖ਼ਸੀਅਤ ਨੂੰ ਬਣਾਉਣ ਵਿੱਚ ਡਾ. ਅਮਰਜੀਤ ਸਿੰਘ ਕਾਂਗ ਦਾ ਭਰਪੂਰ ਯੋਗਦਾਨ ਹੈ। ਡਾ. ਕਾਂਗ ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ ਦੇ ਅਧਿਆਪਕਾਂ ਦੀ ਸੰਸਥਾ ਤੋਂ ਨਿਰਬੰਧ, ਅਟੱਲ, ਸਥਿਰ ਸਤੰਭ ਵਾਂਗ ਭਟੇ ਹੋਏ ਹਨ ਜਿਸ ਦਾ ਸਾਨੀ ਹੋਰ ਕੋਈ ਨਹੀਂ ਹੋ ਸਕਦਾ।

ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਨੇ ਆਪਣੇ ਖੋਜ ਕਾਰਜ ਲਈ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਤੇ ਆਧੁਨਿਕ ਸਾਹਿਤ ਵਿਸ਼ੇਸ਼ ਕਰਕੇ ਗਲਪ ਸਾਹਿਤ ਨੂੰ ਚੁਣਿਆ। ਉਹਨਾਂ ਦੀਆਂ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਚਿੰਤਨ ਦੇ ਪ੍ਰਸੰਗ ਵਿੱਚ 'ਕਿੱਸਾ ਸੰਵਾਦ', 'ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਵੇਕ', 'ਬਾਣੀ ਸੰਵੇਦਨਾ', 'ਬਾਣੀ ਰਹੱਸ' ਪੁਸਤਕਾਂ ਅਤੇ ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਪ੍ਰਸੰਗ ਵਿੱਚ 'ਗਲਪ ਚੇਤਨਾ', 'ਗਲਪ ਸਿੰਘ ਦਾ ਗਲਪ ਸ਼ਾਸਤਰ', 'ਗਲਪ ਚੇਤਨਾ ਤੋਂ ਗਲਪ ਸ਼ਾਸਤਰ ਤੱਕ', 'ਬਰਜਿੰਦਰ ਸਿੰਘ ਹਮਦਰਦ ਰਚਿਤ ਕਹਾਣੀ ਦੇ ਗੀਤ' ਆਦਿ ਪੁਸਤਕਾਂ ਵਿਸ਼ੇਸ਼ ਮਹੱਤਵ ਰੱਖਦੀਆਂ ਹਨ। ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਨੇ ਆਪਣੇ ਪੀ.ਐੱਚ. ਡੀ. ਦੇ ਖੋਜ ਕਾਰਜ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਵਿਸ਼ੇਸ਼ ਕਰਕੇ ਕਿੱਸਾ ਸਾਹਿਤ ਚਿੰਤਨ ਵਿਚ ਇਸਤਰੀ ਪੁਰਸ਼ ਦੇ ਸੁਤੰਤਰ ਸੰਬੰਧਾਂ ਨੂੰ ਚੁਣਿਆ ਅਤੇ ਉਹ ਇਹਨਾਂ ਰਿਸ਼ਤਿਆਂ ਦੇ ਲੌਕਿਕ ਅਤੇ ਅਲੌਕਿਕ ਪਾਸਾਰਾਂ ਨੂੰ ਅਤੇ ਜਾਗੀਰਦਾਰੀ ਪ੍ਰਬੰਧ ਵਿੱਚ ਇਸਤਰੀ ਦੀ ਸਥਿਤੀ ਨੂੰ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਧਾਰਾਵਾਂ ਸੂਫੀ ਸਾਹਿਤ ਧਾਰਾ, ਗੁਰਮਤਿ ਸਾਹਿਤ ਧਾਰਾ ਅਤੇ ਭਗਤੀ ਸਾਹਿਤ ਆਦਿ ਦੇ ਪ੍ਰਸੰਗ ਵਿੱਚ ਪੇਸ਼ ਕਰਦੇ ਆਪਣੇ ਚਿੰਤਨ ਨੂੰ ਦਿਸ਼ਾ ਪ੍ਰਦਾਨ ਕਰਦੇ ਹਨ। ਡਾ. ਜਸਪਾਲ ਕੌਰ ਕਾਂਗ ਦਾ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਚਿੰਤਨ ਦੋ ਵਿਭਿੰਨ ਭਾਰਤੀ ਤੇ ਸਾਮੀ ਸੰਸਕ੍ਰਿਤੀਆਂ ਦੀਆਂ ਚਿੰਤਨ ਪ੍ਰਣਾਲੀਆਂ ਦੀ ਸਮਝ ਪ੍ਰਦਾਨ ਕਰਦਾ ਹੈ ਅਤੇ ਇਹ ਸਮਝ ਹੀ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਦੇ ਫੁੱਲੇ ਅਰਥਾਂ ਨਾਲ ਸਾਡੀ ਸਾਂਝ ਪਵਾਉਂਦੀ ਹੈ। ਆਪਣੀ ਪੁਸਤਕ 'ਕਿੱਸਾ ਸੰਵਾਦ' ਵਿੱਚ ਉਹ ਇਸ ਵਾਰਤ ਲਿਖਦੇ ਹਨ,

“ਮੱਧਕਾਲ ਦਾ ਸਮਾਂ ਇੱਕ ਤੋਂ ਵਧੇਰੇ ਸੰਸਕ੍ਰਿਤੀਆਂ ਦੇ ਪ੍ਰਸਪਰ ਟਕਰਾਉ ਅਤੇ ਸੰਯੋਗ ਵਾਲਾ ਸਮਾਂ ਸੀ। ਭਾਰਤੀ ਇਸਲਾਮੀ ਚਿੰਤਨ ਅਤੇ ਚੇਤਨਾ ਦਾ ਟਕਰਾਉ ਇਸ ਤੱਥ ਦਾ ਪ੍ਰਮਾਣ ਹੈ ਕਿ ਇਹ ਵਿਭਿੰਨ ਚੇਤਨਤਾਵਾਂ ਆਪਸ ਵਿੱਚ ਭਨਾਉ ਵਿਚ ਹੀ ਵਿਚਰੀਆਂ ਹਨ ਅਤੇ ਸੰਯੋਗ ਵਿੱਚ ਵੀ। ਜਿਥੇ ਸੰਯੋਗ ਹੈ, ਉਥੇ ਨਿਰਸੰਦੇਹ ਇੱਕ ਨਵੇਂ ਸੱਚ ਦਾ ਉਦੈ ਹੋਇਆ ਹੈ, ਜਿਥੇ ਭਨਾਉ ਹੈ, ਉਥੇ ਸੱਚ ਦੋਹਾਂ ਦੇ ਵਿਚਕਾਰ ਹੈ।”

ਡਾ. ਕਾਂਗ ਦਾ ਮੱਧਕਾਲੀ ਸਾਹਿਤ ਚਿੰਤਨ ਅਜਿਹੇ ਸੱਚ ਦੀ ਹੀ ਭਾਲ ਕਰਨ ਵੱਲ ਰੁਚਿਤ ਹੈ ਜੋ ਇਹਨਾਂ ਵੱਖ ਵੱਖ ਸੰਸਕ੍ਰਿਤੀਆਂ ਦੇ ਟਕਰਾਉ, ਭਨਾਉ ਅਤੇ ਸੰਯੋਗ ਵਿੱਚੋਂ ਪੈਦਾ ਹੁੰਦਾ ਹੈ। ਕਿੱਸਾ ਸਾਹਿਤ ਵਿਸ਼ੇਸ਼ ਕਰਕੇ ਗੈਰ ਸਾਹਿਤ ਪਰੰਪਰਾ ਦੇ ਕਿੱਸਿਆਂ ਦੀ ਵਿਭਿੰਨਤਾ, ਇਤਿਹਾਸਕਤਾ, ਵਿਭਿੰਨ ਕਥਾ ਵਿਸਥਾਰਾਂ ਦੇ ਪ੍ਰਮਾਣਿਕ ਰੂਪ ਦਾ ਨਿਰਣਾ, ਕਿੱਸਿਆਂ ਵਿਚਲੀ ਸੁਖਾਦਿਕ ਸੰਵੇਦਨਾ ਅਤੇ ਕਿੱਸਿਆਂ ਦਾ ਸੁਖਾਂਤਕ ਤੇ ਦੁਖਾਂਤਕ ਅੰਤ ਇਸੇ ਸੰਦਰਭ ਵਿੱਚ ਹੀ ਪਛਾਣੇ ਜਾ ਸਕਦੇ ਹਨ। ਡਾ.





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ  
ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

ਮੁਖਯ ਸੰਪਾਦਕ  
ਪ੍ਰੋਫ਼ੇਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ





ISBN:978-93-90814-28-2

Published, Printed & bound by  
**SRISHTI PRAKASHAN**  
Shop No 06, Star Complex 02  
First Floor, Sector 41-B,  
U.T. Chandigarh -160036, India  
email : srishtiprakashanchd@gmail.com  
website : www.srishtiprakashan.com  
Ph. 0172-5017991, +91-97819-15473

Copyright : Prof. (Dr.) Rajinder Pal Singh 'Josh'  
Edition : First 2021  
M.R.P. : 499/-  
Cover by : Kewal Kumar  
Laser Typesetting : GK Graphics, Chandigarh

साहिब-ए-किताब गुरु तेग बहादुर  
प्रो.(डॉ.) राजिन्द्र पाल सिंह जोश (मुख्य सम्पादक)  
डा. अमरदीप कौर (संपादक)

Produced and bound in India

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, filming or otherwise, without the prior permission of the author & publication

This book has been published with all efforts taken to make the material error-free after the consent of the author. However, the author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. While every effort has been made to avoid any mistake or omission, this publication is being sold on the condition and understanding that neither the author nor the publishers or printers would be liable in any manner to any person by reason of any mistake or omission in this publication or for any action taken or omitted to be taken or advice rendered or accepted on the basis of this work. For any defect in printing or binding the publishers will be liable only to replace the defective copy by another copy of this work then available.

12. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਸ਼ਹਾਦਤ ਅਤੇ ਬਾਣੀ ਦਾ ਬ੍ਰਹਿਮੰਡੀ ਪ੍ਰਵਚਨ 149  
ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ
13. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਬਾਣੀ : ਦਵੰਦ ਮੁਕਤਤਾ ਦਾ ਪ੍ਰਵਚਨ 158  
ਡਾ. ਹਰਪ੍ਰੀਤ ਕੌਰ
14. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ 167  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸ਼ਰਨਜੀਤ ਕੌਰ
15. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ 176  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸੁਖਵੀਰ ਕੌਰ
16. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ 186  
ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ, ਰੋਬਿਨਾ ਸਿੰਘ
17. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦਾ ਤਿਆਗ ਅਤੇ ਬੈਰਾਗ 197  
ਡਾ. ਅਸਪ੍ਰੀਤ ਕੌਰ



## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ\*

ਸ਼ਰਨਜੀਤ ਕੌਰ \*\*

ਆਧੁਨਿਕ ਕਾਵਿ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਪ੍ਰਚੀਨਤਾ ਵਿਚੋਂ ਨਿਕਲੀ ਨਵੀਨ ਕਾਵਿ ਧਾਰਾ ਹੈ। ਜਿਸ ਵਿਚ ਕਵੀਆ ਦੁਆਰਾ ਵਿਸ਼ੇ ਦੀ ਨਵੀਨਤਾ ਦੇ ਸਨਮੁੱਖ ਪ੍ਰਗਟਾ ਢੰਗ ਵੀ ਬਦਲ ਗਿਆ। ਆਧੁਨਿਕ ਦਾ ਸਧਾਰਨ ਅੱਖਰੀ ਅਰਥ ਹੈ ਅਜੋਕਾ, ਅੱਜ ਦਾ। ਆਧੁਨਿਕਤਾ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਚ ਇਕਦਮ ਉਪਜੀ ਜਾਂ ਪ੍ਰਗਟ ਹੋਈ ਕਾਵਿ ਧਾਰਾ ਨਹੀਂ ਹੈ ਸਗੋਂ ਸੰਸਾਰ ਪੱਧਰੀ ਬਦਲ ਦੇ ਸਨਮੁੱਖ ਹੀ ਪੰਜਾਬੀ ਕਾਵਿ ਚੇਤਨਾ ਵਿਚ ਆਧੁਨਿਕਤਾ ਦਾ ਸਥਾਨ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਭਾਰਤ ਵਿੱਚ ਲਗਭਗ ਸਾਰੀਆਂ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸਾਂ ਵਿਚ ਆਧੁਨਿਕ ਕਾਲ ਉਦੋਂ ਆਰੰਭ ਹੋਇਆ ਸਵੀਕਾਰ ਕੀਤਾ ਜਾਂਦਾ ਹੈ। ਜਦੋਂ ਦੇਸ਼ ਦੀ ਰਾਜਨੀਤਿਕ ਵਾਂਗਡੋਰ ਅੰਗਰੇਜ਼ਾਂ ਦੇ ਹੱਥ ਵਿਚ ਆਈ। ਅੰਗਰੇਜ਼ੀ ਰਾਜ ਦੀ ਸਥਾਪਨਾ ਨਾਲ ਜੀਵਨ ਵਿਚ ਕੁਝ ਅਜਿਹੀਆਂ ਤਬਦੀਲੀਆਂ ਆਈਆਂ ਜਿੰਨ੍ਹਾਂ ਨੇ ਉਸਦੀ ਰੂਪ-ਰੇਖਾ ਨੂੰ ਬਾਹਰਲੇ ਤੌਰ ਤੇ ਬਦਲਿਆ।<sup>1</sup>

ਆਧੁਨਿਕਤਾ ਸਧਾਰਨ ਤੌਰ ਤੇ ਮਨੁੱਖ ਦੀ ਮਾਨਸਿਕ ਚੇਤਨਾ ਵਿਚ ਉਤਪੰਨ ਹੋਏ ਉਸ ਬਦਲਾਅ ਦਾ ਨਾਂ ਹੈ ਜਿਸਨੇ ਮਨੁੱਖ ਦੀ ਚੇਤਨਾ ਨੂੰ ਮੱਧਕਾਲੀਨ ਨਾਲੋਂ ਵੱਖਰੀ ਸੇਧ ਦਿੱਤੀ। ਨਤੀਜਨ ਕੁਝ ਸਮਾਜਿਕ, ਰਾਜਨੀਤਿਕ ਬਦਲ ਵੀ ਵੇਖਣ ਨੂੰ ਮਿਲੇ। ਜਿਸਦਾ ਸਪੱਸ਼ਟ ਪ੍ਰਭਾਵ ਸਾਹਿਤ 'ਤੇ ਵੀ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਦਾ ਮੋਢੀ ਭਾਈ ਵੀਰ ਸਿੰਘ ਨੂੰ ਮੰਨਿਆ ਜਾਂਦਾ ਹੈ, ਜਿਵੇਂ-ਜਿਵੇਂ ਆਧੁਨਿਕਤਾ ਦਾ ਪ੍ਰਭਾਵ ਸੰਸਾਰ ਦੇ ਹਰ ਖੇਤਰ 'ਤੇ ਪਿਆ। ਉਸੇ ਤਰ੍ਹਾਂ ਹੀ ਸਾਹਿਤਕ ਖੇਤਰ ਖਾਸ ਕਰਕੇ ਕਵਿਤਾ ਦੇ ਖੇਤਰ ਵਿਚ ਬਹੁਤ ਸਾਰੇ ਕਵੀਆਂ ਲਈ ਆਧੁਨਿਕਤਾ ਖਿੱਚ ਦਾ ਕੇਂਦਰ ਬਣੀ। ਇਸੇ ਸਮੇਂ ਸੰਸਾਰ ਨੂੰ ਤਿੰਨ ਮਹਾਨ ਚਿੰਤਕਾਂ ਕਾਰਲ ਮਾਰਕਸ ਦਾ ਸਮਾਜਵਾਦ ਭੌਤਿਕ ਪਦਾਰਥਵਾਦ, ਡਾਰਵਿਨ ਦਾ ਵਿਕਾਸਵਾਦ ਅਤੇ ਫਰਾਇਡ ਦੇ ਮਨੋਵਿਗਿਆਨ ਨੇ ਬਹੁਤ ਜ਼ਿਆਦਾ ਪ੍ਰਭਾਵਿਤ ਕੀਤਾ। ਉੱਥੇ ਇਸਦਾ ਅਸਰ ਸਾਹਿਤਕ ਧਾਰਾਵਾਂ 'ਤੇ ਵੀ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ। ਇਸਦਾ ਪ੍ਰਭਾਵ ਪੰਜਾਬੀ ਕਵਿਤਾ ਉੱਤੇ ਵੀ ਸਪੱਸ਼ਟ ਰੂਪ ਵਿਚ ਉਜਾਗਰ ਹੁੰਦਾ ਹੈ।

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ  
\*\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ (ਪੰਜਾਬੀ) ਯੂਨੀਵਰਸਿਟੀ ਕਾਲਜ ਆਫ ਐਜੂਕੇਸ਼ਨ, ਗੁਰੂ ਕਾਸ਼ੀ ਯੂਨੀਵਰਸਿਟੀ, ਤਲਵੰਡੀ ਸਾਬੋ, ਬਠਿੰਡਾ



## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ\*

ਸੁਖਵੀਰ ਕੌਰ\*\*

ਗੁਰਮਤਿ ਕਾਵਿ ਪਰੰਪਰਾ ਇੱਕ ਅਜਿਹੀ ਕਾਵਿ ਪਰੰਪਰਾ ਹੈ ਜਿਸ ਅੰਦਰ ਸਮਾਜ ਅੰਦਰਲੇ ਨਵੇਂ ਮੁੱਲਾਂ ਅਤੇ ਸੰਕਲਪਾਂ ਵਾਲਾ ਪ੍ਰਵਚਨ ਨਿਰੰਤਰ ਪ੍ਰਵਾਹਮਾਨ ਹੁੰਦਾ ਹੈ। ਇਸ ਕਾਵਿ ਪਰੰਪਰਾ ਦੇ ਮੂਲ ਸਰੋਕਾਰ ਬਹੁ ਦਿਸ਼ਾਵੀਂ ਹਨ। ਮਨੁੱਖੀ ਜ਼ਿੰਦਗੀ ਦਾ ਹਰ ਪਹਿਲੂ ਇਸ ਵਿੱਚੋਂ ਆਪਣਾ ਅਰਥ ਪ੍ਰਾਪਤ ਕਰਦਾ ਨਜ਼ਰ ਆਉਂਦਾ ਹੈ ਇਸ ਲਈ ਗੁਰਮਤਿ ਸਮੁੱਚੀ ਮਾਨਵਤਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿੱਚ ਆਪਣੇ ਅਰਥ ਗ੍ਰਹਿਣ ਕਰਦਾ ਹੈ। ਡਾ. ਮੁਹੰਮਦ ਹਬੀਬ ਅਨੁਸਾਰ, “ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਦਾ ਨੈਤਿਕ ਸੰਸਾਰ ਰੱਬ ਸੱਚੇ ਪਾਤਸ਼ਾਹ ਨੂੰ ਪਾਉਣ ਦੇ ਹਰ ਤੌਰ ਤਰੀਕੇ ਨੂੰ ਆਪਣੇ ਕਲਾਵੇ ਬਿੱਚ ਲੈਂਦਿਆਂ ਇਨਸਾਨੀਅਤ ਨੂੰ ਇਹ ਸਬਕ ਸਿਖਾਉਂਦਾ ਹੈ ਕਿ ਇਨਸਾਨ ਦਾ ਹਰ ਉਹ ਅਮਲ ਨੈਤਿਕ ਹੈ ਜਿਹੜਾ ਉਸ ਦੇ ਮਨ ਦਾ ਰਿਸ਼ਤਾ ਰੱਬ ਨਾਲ ਜੋੜਦਾ ਹੈ। ਉਸ ਦੇ ਅਮਲ ਵਿੱਚ ਨੇਕੀ ਪੈਦਾ ਕਰਦਾ ਹੈ। ਉਸ ਦੇ ਅੰਦਰ ਇਨਸਾਨੀਅਤ ਅਤੇ ਭਲਾਈ ਦਾ ਜਜ਼ਬਾ ਉਭਾਰਦਾ ਹੈ।”<sup>1</sup> ਗੁਰਮਤਿ ਕਾਵਿ ਧਾਰਾ ਗੁਰੂ ਸਹਿਬਾਨਾਂ ਨੇ ਸਮਾਜ ਵਿੱਚਲੀ ਗਿਰਾਵਟ ਅਤੇ ਨੈਤਿਕ ਕਦਰਾਂ ਕੀਮਤਾਂ ਦੀ ਪੁਨਰ ਸਥਾਪਨਾ ਕਰਨ ਦਾ ਯਤਨ ਕੀਤਾ ਹੈ। ਇਸ ਪਰੰਪਰਾ ਦਾ ਮੂਲ ਮੁਹਾਂਦਰਾ ਭਾਵੇਂ ਅਧਿਆਤਮਕ ਜਗਤ ਦੀ ਪੈਰਵੀ ਕਰਦਾ ਹੈ ਪਰ ਇਹ ਅਧਿਆਤਮਕ ਜਗਤ ਆਪਣੇ ਆਪ ਵਿੱਚ ਲੌਕਿਕ ਸਰੋਕਾਰਾਂ ਦੇ ਸੰਦਰਭ ਵਿੱਚ ਹੀ ਆਪਣੀ ਪਹਿਚਾਣ ਕਾਇਮ ਕਰਦਾ ਹੈ। ਇਸ ਤਰ੍ਹਾਂ ਇਹ ਅਧਿਆਤਮਕ ਜਗਤ ਮਨੁੱਖੀ ਜ਼ਿੰਦਗੀ ਦੇ ਝਰੋਖੇ ਵਿੱਚੋਂ ਆਪਣੀ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਦਾ ਹੈ। ਇਸ ਅਧਿਆਤਮਕ ਜਗਤ ਵਿੱਚ ਜੋ ਮਨੁੱਖ ਪ੍ਰਵਾਨ ਚੜ੍ਹਦਾ ਹੈ ਉਹ ਨੈਤਿਕ ਮੁੱਲਾਂ ਨਾਲ ਹੀ ਆਪਣੀ ਪਹਿਚਾਣ ਕਾਇਮ ਕਰਦਾ ਹੈ। ਸੰਸਾਰ ਦੇ ਸਾਰੇ ਧਰਮ ਆਪਣੇ ਆਪ ਵਿੱਚ ਨੈਤਿਕ ਮੁੱਲਾਂ ਦੀ ਪੈਰਵੀ ਕਰਦੇ ਹਨ ਅਤੇ ਨੈਤਿਕਤਾ ਮਨੁੱਖੀ ਸਰੋਕਾਰਾਂ ਵਿੱਚ ਸਭ ਤੋਂ ਉੱਚਤਮ ਦਰਜਾ ਪ੍ਰਾਪਤ ਕਰਦੀ ਹੈ।

ਨੈਤਿਕਤਾ ਲਈ ਸਦਾਚਾਰ ਸ਼ਬਦ ਦੀ ਵਰਤੋਂ ਵੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ, ਸਦਾਚਾਰ ਦਾ ਅਰਥ ਵੀ ਚੰਗੇ ਗੁਣਾਂ ਨੂੰ ਧਾਰਨ ਕਰਨ ਨਾਲ ਸੰਬੰਧਿਤ ਹੈ।

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੋਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਖੋਜਾਰਥੀ, ਗੁਰੂ ਨਾਨਕ ਸਿੱਖ ਅਧਿਐਨ ਵਿਭਾਗ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ



### OTHER USEFUL TITLES

**CONDENSED MATTER PHYSICS-1**  
MS. POONAM JAIN & DR. PALLAVI GUPTA

**ELECTRONICS & SOLID STATE DEVICES-1**  
MS. POONAM JAIN, DR. MUMTAZ OSWAL & DR. NADIA

**BROWSER (A QUESTION BANK)**  
B.SC. SEM. V, PANJAB UNIVERSITY



[www.orderyourbooks.com](http://www.orderyourbooks.com)



Books Available at : Chandigarh, Panchkula and Mohali (All leading book stores). Ludhiana (Amit Book Depot Books Market Ludhiana-9815807871, Bhatia Book Centre Books Market Ludhiana-9815277131, Ramesh Book Depot Books Market Ludhiana-9815598567, Kiran Book Shop Civil Lines College Road Ludhiana-9876498160, Gupta Book Centre Books Market Ludhiana, Chhabra Book Shop Gulati Chowk, Pritm Nagar, Model Town-0161 240 5427). Hoshiarpur (Handa Book Company Vakila Bazar, Hoshiarpur-9876885854, Ram Book Depot Govt College Road Hoshiarpur-7307234100, Evergreen Chand Lal Soni & Sons -0188-2225325. Ferozepur City (Vishal Book Depot Main bazar Ferozepur City-01632-224932). Ferozepur Cantt. ( Punjab Book Depot Neem Wala Chowk Ferozepur Cantt-01632-242133). Malout (Master Karam Chand & Sons, near jhamb guest house main Bazar Malout-09357262708. Abohar Aggarwal Books & Stationery Mart Near DAV CAMPUS, Abohar, Punjab 152116. Jalandhar Subhash Book Depot Old Railway Rd, Old Court, Jalandhar, Punjab, Khanna (Kapoor Book Shop, Books Market Khanna, Punjab-0162-8221553).



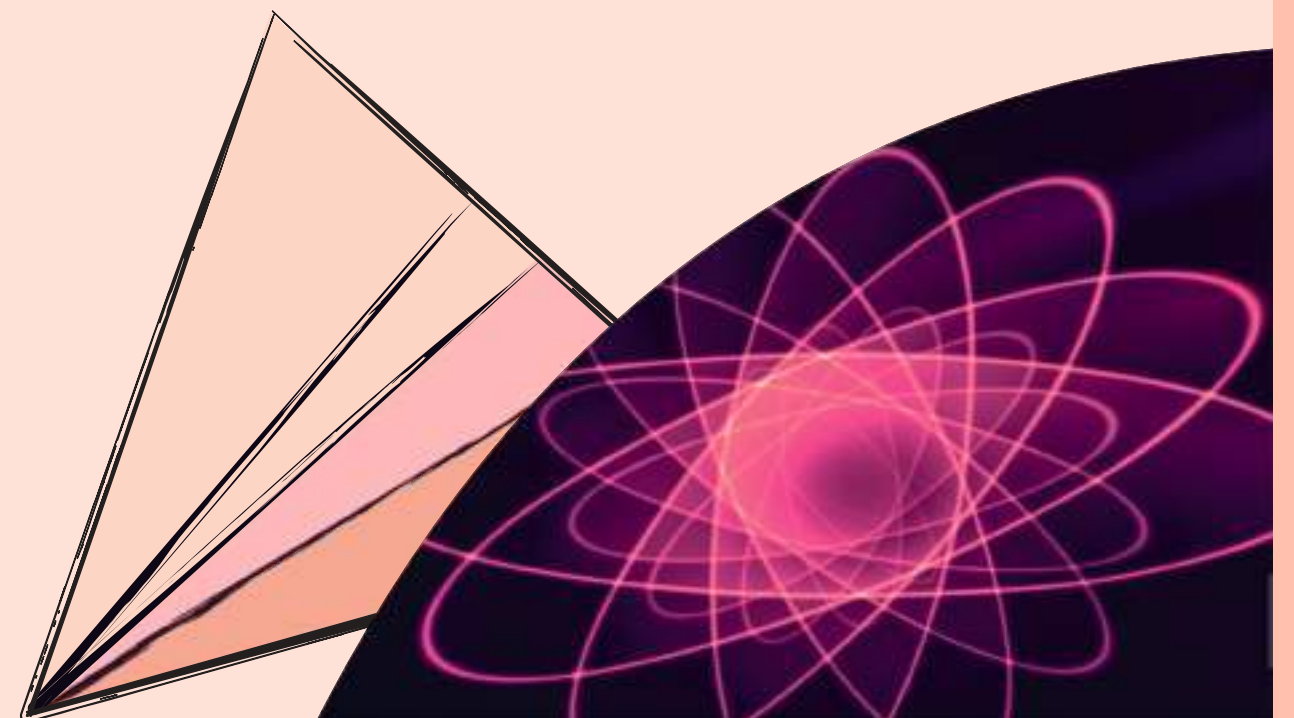
NUCLEAR AND PARTICLE PHYSICS-I

Ms. Poonam Jain, Dr. Ishita Sharma



# NUCLEAR AND PARTICLE PHYSICS-I

MS. POONAM JAIN  
DR. ISHITA SHARMA



© Authors

Edition: 2021

ISBN: 978-93-90758-42-5

## **Nuclear and Particle Physics-I**

### **Authors**

***Poonam Jain***

*Retd. Ass. Professor of Physics*

*MCM DAV College for Women, Chandigarh*

***Dr. Ishita Sharma***

*Assistant Professor of Physics*

*MCM DAV College for Women, Chandigarh*

### *Published by*

Dr. Akshu Pahuja

### **for Mohindra Publishing House**

SCO 289, 1st Floor, Opposite Nirman Theatre

Sector-32D, Chandigarh - 160 031

Ph. 0172 - 5088686, 9872889970

email: [info@orderyourbooks.com](mailto:info@orderyourbooks.com)

[www.orderyourbooks.com](http://www.orderyourbooks.com)

### **All Rights Reserved.**

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the publisher of this book.

### **Disclaimer.**

Information contained in this book has been obtained from sources believed to be reliable and every effort has been made to ensure that it is accurate and in best interest of the students appearing for examination. The author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publications, whether such errors or omissions result from negligence, accident, or any other cause.

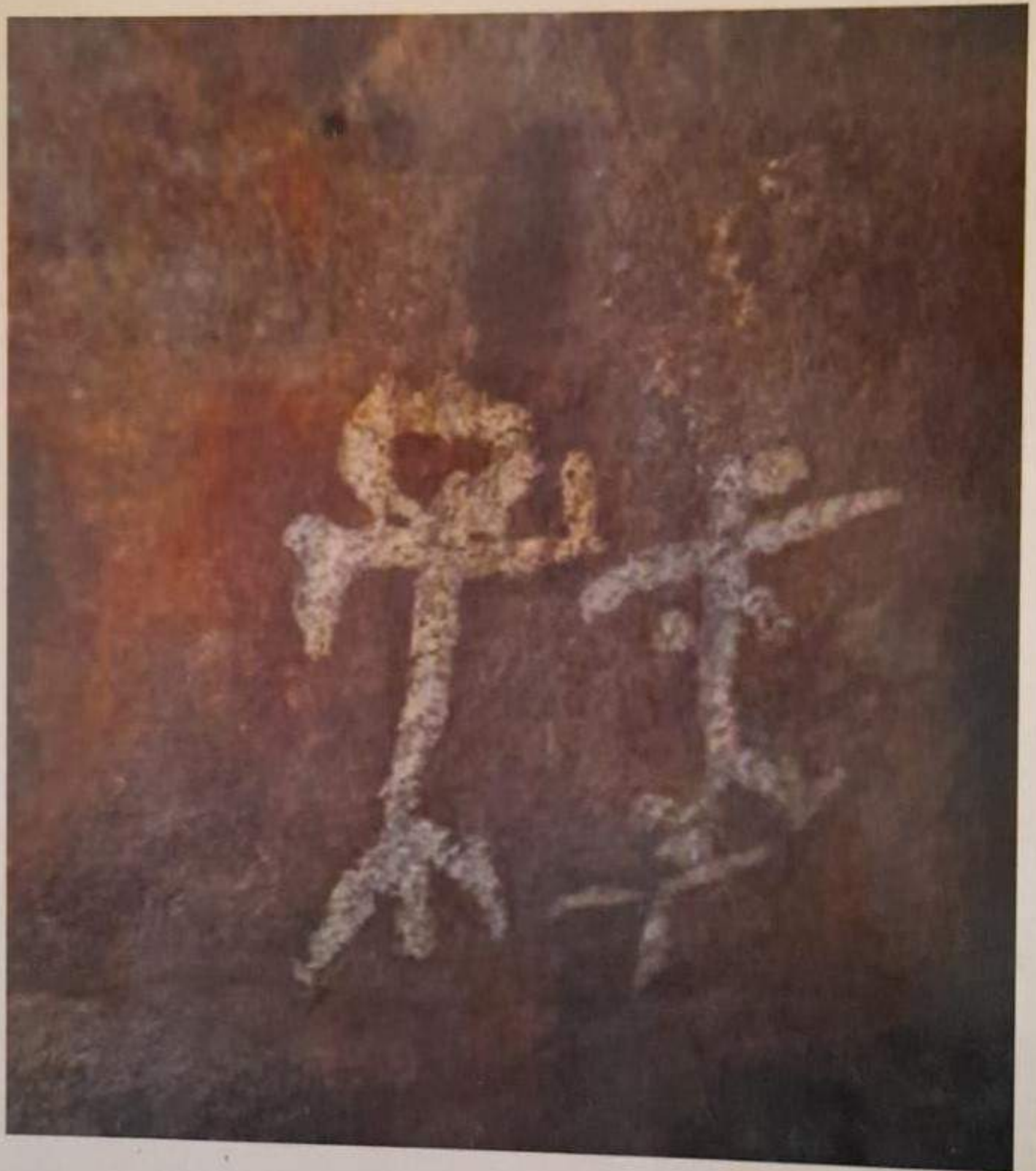


# Contents

<b>1. GENERAL PROPERTIES OF NUCLEI</b>	<b>1</b>
<b>2. NUCLEAR MODELS</b>	<b>49</b>
<b>3. RADIO ACTIVITY</b>	<b>80</b>
<b>4. ALPHA, BETA AND GAMA RAYS SPECTRA</b>	<b>123</b>
<b>5. NUCLEAR REACTIONS</b>	<b>157</b>
<b>* QUESTIONS PAPER 2016-2019</b>	<b>208</b>

# TRANSGRESSING GENDER BOUNDARIES

Re-reading Mahesh Dattani's Plays



**ATLANTIC**

**Komil Tyagi**



# **Transgressing Gender Boundaries**

Re-reading Mahesh Dattani's Plays

Komil Tyagi

**ATLANTIC**

PUBLISHERS & DISTRIBUTORS (P) LTD

Published by

# ATLANTIC

**PUBLISHERS & DISTRIBUTORS (P) LTD**

7/22, Ansari Road, Darya Ganj, New Delhi-110002

Phones : +91-11-40775252, 40775214, 23273880, 23275880

Fax : +91-11-23285873

Web : [www.atlanticbooks.com](http://www.atlanticbooks.com)

E-mail : [orders@atlanticbooks.com](mailto:orders@atlanticbooks.com)

**Branch Office: Chennai**

Phones : +91-44-48531784, 28291383

E-mail : [chennai@atlanticbooks.com](mailto:chennai@atlanticbooks.com)

Copyright © 2021 Komil Tyagi

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, transmitted or utilized in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the copyright owner. Application for such permission should be addressed to the publisher.

## Disclaimer

- The author and the publisher have taken every effort to the maximum of their skill, expertise and knowledge to provide correct material in the book. Even then if some mistakes persist in the content of the book, the publisher does not take responsibility for the same. The publisher shall have no liability to any person or entity with respect to any loss or damage caused, or alleged to have been caused directly or indirectly, by the information contained in this book.
- The author has fully tried to follow the copyright law. However, if any work is found to be similar, it is unintentional and the same should not be used as defamatory or to file legal suit against the author.
- If the readers find any mistakes, we shall be grateful to them for pointing out those to us so that these can be corrected in the next edition.
- All disputes are subject to the jurisdiction of Delhi courts only.

Printed & bound in India by Atlantic Print Services



# Contents

<i>Foreword</i> .....	<i>iii</i>
<i>Preface</i> .....	<i>vii</i>
<i>Acknowledgements</i> .....	<i>ix</i>
<i>Abbreviations</i> .....	<i>xii</i>
1. Perceptions: Gender, Dattani and Indian Drama in English .....	1
2. Reconstruction of the 'Female' .....	39
3. Deconstruction of the 'Male' .....	90
4. Constructing the Marginalities .....	134
5. Readings Ensuing the Re-reading .....	180
<i>Bibliography</i> .....	194
<i>Index</i> .....	203

## Also of Interest

- **V.S. Naipaul: Critical Essays, 3 Vols., Mohit K. Ray**
- **V.S. Naipaul: Fiction and Travel Writing, Rajeshwar Mittapalli**
- **V.S. Naipaul's Indian Trilogy Diasporic Chronicles, Namrata Rathore Mahanta**
- **Postcolonial Situation in the Novels of V.S. Naipaul, Champa Rao Mohan**
- **V.S. Naipaul: An Anthology of 21st Century Criticism, Ajay K. Chaubey**
- **English Language and Linguistics: A Simplified Approach (2nd Revised and Enlarged Edition), D.S. Paul**
- **Amitav Ghosh's Writings: Issues, Ideologies and Craftsmanship, Bhakti Vaishnav**
- **The Cultural Landscape of Jhumpa Lahiri and Kiran Desai, Kamal Kumar Raul**
- **The Fictional World of Shashi Deshpande: A Critical Study, Binod Kumar Roy**
- **Anita Desai's In Custody: A Critical Appraisal, Neeru Tandon**
- **Current Perspectives in Indian English Literature, Gauri Shankar Jha**
- **Feminism in the Novels of Shashi Deshpande, N.K. Prasad**
- **Indian English Fiction in the New Millennium, R.P. Pradhan**
- **Salman Rushdie: Critical Essays, 2 Vols., Mohit K. Ray and Rama Kundu**
- **The Novels of R.K. Narayan: A Critical Evaluation, P.K. Singh**
- **Twentieth Century Literature: Emerging Trends, Sunita Sinha**
- **A Critical Study of the Novels of Anita Desai, N.R. Gopal**
- **The Fiction of Amitav Ghosh: A Critical Commentary, Vivekanand Jha**
- **Critical Essays on Post-Colonial Literature, 3rd Ed., Bijay Kumar Das**
- **Kiran Desai and Her Fictional World, Vijay K. Sharma and Neeru Tandon**
- **Women in Postcolonial Indian English Literature: Redefining the Self, Malti Agarwal**
- **Multiculturalism in Indian Fiction in English, Ashok Chaskar**



**ATLANTIC**

PUBLISHERS & DISTRIBUTORS (P) LTD

www.atlanticbooks.com

ISBN 978-81-269-3204-7



9 788126 932047

₹ 695.00



---

## Contents

<i>Acknowledgements</i>	<i>v</i>
<i>Foreword</i>	<i>vii</i>
<i>Preface</i>	<i>ix</i>
<i>Acronyms</i>	<i>xiii</i>
<i>List of Tables</i>	<i>xix</i>
1. Introduction	1
2. Social Exclusion: The Misery of the Masses	17
3. The Unending Crisis of Gender Inequality	54
4. The Magnitude of Inequality in Education	94
5. Disparities in the Healthcare System	138
6. Urban versus Rural: Repercussions on Inequality	181
7. The Digital 'Haves' and 'Have-nots'	211

**Inequality in India: Emerging Trends and Perspectives** is an attempt to highlight various crucial problems giving rise to inequality in the country. India has long been characterized with a glaring gap between the haves and the have-nots, often termed as the 'rich-poor divide', which is a major obstruction in the path to its growth and glory. For overall growth and development of the country, the agenda of 'inclusive growth' should ideally be at the centre stage of our progress propaganda. However, practical evidence showcases little support for this phenomenon. Despite various growth measures, the country is mired in the abyss of multi-faceted disparities ranging across a wide array of socio-economic aspects. This book is an attempt to highlight and bring to the forefront such multi-disciplinary issues which are adding fuel to the burning problem of inequality in the country. Each chapter delves upon one such issue by systematically presenting the trends and current challenges along with relevant case studies. Thus, the book is a systematic synthesis and complete guide to the contemporary philosophy on inequality in India. This issue, having economy-wide implications, will therefore make the book extremely useful for policy-makers, industry practitioners, management consultants, besides the students and the academicians.



**Dr. Minakshi Rana** is Assistant Professor in the PG Department of Sociology, Mehr Chand Mahajan DAV College for Women, Chandigarh. Her areas of interest are policy perspectives on social inclusion, inclusive education, sustainable development, and child rights. She has several publications in national as well as international journals. She has authored a book titled 'Right to Education as a Mechanism to Inclusion'. For carrying out research projects on socially sensitive issues, she has been awarded by Chandigarh administration at various platforms.



**Dr. Geetanjali Singh** is Assistant Professor in the PG Department of Economics, Mehr Chand Mahajan, DAV College for Women, Chandigarh and Post-Doctoral fellow at Indian Council of Social Sciences and Research, New Delhi. She has authored and co-authored 5 books. She has completed many research projects and has research publications in reputed journals. Some of her international academic collaborations are FMSH-INDIA, South Asia- France under DEA programme, ICSSR-JPS between Japan and India on Asian Economic Integration: Challenges and Prospects, Tokyo, Japan. She is a member of many national and international academic bodies. She has widely travelled abroad and has presented scientific papers in many international conferences and seminars. Her research interest includes energy economics, development economics, climate change and world economy. She has appeared on national and international TV channels for debates and panel discussions. She has also written many articles in national newspapers and magazines.



**Dr. Manika Kohli** is Assistant Professor in the PG Department of Commerce, Mehr Chand Mahajan DAV College for Women, Chandigarh. She has to her credit several reputed national and international research publications and seminar presentations. She has authored a book titled 'Pay-Performance Conundrum: Linking Theory with Evidence'. Her research interests include corporate governance, executive compensation, business ethics, sustainability, financial markets, and wealth distribution.

In an initiative towards socially responsible research, she recently collaborated with the Govt. of Haryana. Certified as an Innovation Ambassador by the Ministry of Education Govt. of India, she has an unstinting drive to promote the culture of research and innovation.



**CORVETTE PRESS**

New Delhi (India)

*Exclusively distributed by*

**Indu Book Services Pvt. Ltd.**

(Publishers & Distributors)

4638 1st Floor, 21 Ansari Road, Daryaganj, New Delhi- 110002

Phone: 011-43584152, Mobile: +91-9873655211, 8851457915

E-mail: indubook@gmail.com | indubook@ymail.com

Website: www.indubookservices.com

₹ 995

ISBN: 978-93-91385-02-6



INEQUALITY IN INDIA  
EMERGING TRENDS AND PERSPECTIVES

DR. MINAKSHI RANA • DR. GEETANJALI SINGH  
DR. MANIKA KOHLI



# INEQUALITY IN INDIA

EMERGING TRENDS AND PERSPECTIVES



DR. MINAKSHI RANA  
DR. GEETANJALI SINGH  
DR. MANIKA KOHLI



### OTHER USEFUL TITLES

**ELECTRONICS & SOLID STATE DEVICES-1**  
MS. POONAM JAIN, DR. MUMTAZ OSWAL & DR. NADIA

**NUCLEAR AND PARTICLE PHYSICS-I**  
MS. POONAM JAIN, DR. ISHITA SHARMA

**BROWSER (A QUESTION BANK)**  
B.SC. SEM. V, PANJAB UNIVERSITY



[www.orderyourbooks.com](http://www.orderyourbooks.com)



Books Available at : Chandigarh, Panchkula and Mohali (All leading book stores). Ludhiana (Amit Book Depot Books Market Ludhiana-9815807871, Bhatia Book Centre Books Market Ludhiana-9815277131, Ramesh Book Depot Books Market Ludhiana-9815598567, Kiran Book Shop Civil Lines College Road Ludhiana-9876498160, Gupta Book Centre Books Market Ludhiana, Chhabra Book Shop Gulati Chowk, Pritm Nagar, Model Town-0161 240 5427). Hoshiarpur (Handa Book Company Vakila Bazar, Hoshiarpur-9876885854, Ram Book Depot Govt College Road Hoshiarpur-7307234100, Evergreen Chand Lal Soni & Sons -0188-2225325. Ferozepur City (Vishal Book Depot Main bazar Ferozepur City-01632-224932). Ferozepur Cantt. ( Punjab Book Depot Neem Wala Chowk Ferozepur Cantt-01632-242133). Malout (Master Karam Chand & Sons, near jhamb guest house main Bazar Malout-09357262708. Abohar Aggarwal Books & Stationery Mart Near DAV CAMPUS, Abohar, Punjab 152116. Jalandhar Subhash Book Depot Old Railway Rd, Old Court, Jalandhar, Punjab, Khanna (Kapoor Book Shop, Books Market Khanna, Punjab-0162-8221553).



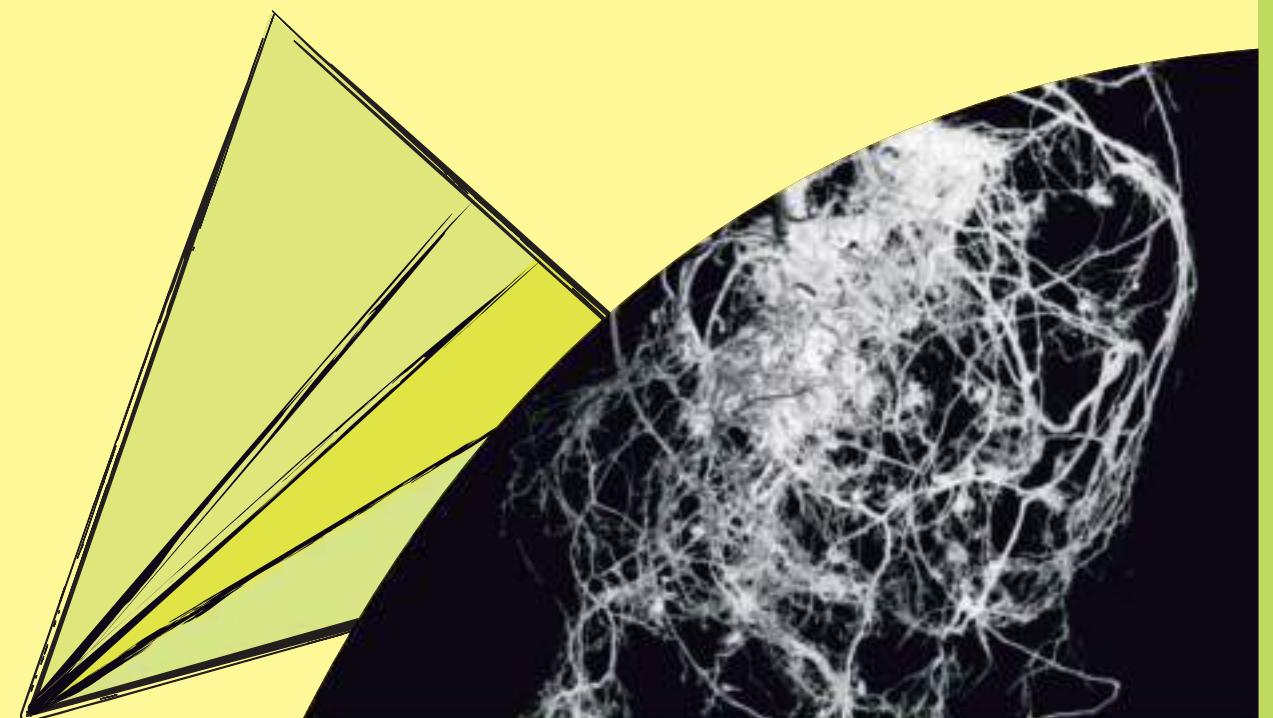
A Text book of CONDENSED MATTER PHYSICS-I

MS. POONAM JAIN, DR. PALLAVI GUPTA



# A Text book of CONDENSED MATTER PHYSICS-I

MS. POONAM JAIN  
DR. PALLAVI GUPTA



© Authors

Edition: 2022

ISBN: 978-93-90758-37-1

## **A text book of Condensed Matter Physics-I**

### **Authors**

**Ms. Poonam Jain**

*Retd. Ass. Professor of Physics*

*MCM DAV College for Women, Chandigarh*

**Dr. Pallavi Gupta**

*Ass. Professor of Physics*

*MCM DAV College for Women, Chandigarh*

### **Published by**

**Dr. Akshu Pahuja**

### **for Mohindra Publishing House**

**Registered office:** SCO 289, 1st Floor, Opposite Nirman Theatre  
Sector-32D, Chandigarh - 160 031

**Branch office:** 605, Tower CV 5, Capetown  
GH-01/A, Sector 74, Noida, Uttar Pradesh

Ph. 0172 - 5088686, 9872889970

email: [info@orderyourbooks.com](mailto:info@orderyourbooks.com)

[www.orderyourbooks.com](http://www.orderyourbooks.com)

Printed at Sanjay Binder, Chandigarh

### **All Rights Reserved.**

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the publisher of this book.

### **Disclaimer.**

Information contained in this book has been obtained from sources believed to be reliable and every effort has been made to ensure that it is accurate and in best interest of the students appearing for examination. The author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publications, whether such errors or omissions result from negligence, accident, or any other cause.



# Contents

1. CRYSTAL STRUCTURE	1-49
2. CRYSTAL DIFFRACTION AND RECIPROCAL LATTICE	50-96
3. THE FREE ELECTRON THEORY OF METALS	97-129
4. THE BAND THEORY OF SOLIDS	130-159
5. SEMICONDUCTORS	160-196
QUESTION PAPER 2021, 2022	197-198





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ  
ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

ਮੁਖਯ ਸੰਪਾਦਕ  
ਪ੍ਰੋਫ਼ੈਸਰ (ਡੌ.) ਰਾਜਿੰਦ੍ਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ

ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

(ਸਮਾਲੋਚਨਾ)

ਮੁਖਯ ਸੰਪਾਦਕ

ਪ੍ਰੋਫੈਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ

**COMPLIMENTARY COPY**



ਸ੍ਰਿਣਿ  
ਪ੍ਰਕਾਸ਼ਨ  
ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਮੰਚਿਕ ਏ ਏ

ISBN:978-93-90814-28-2

Published, Printed & bound by  
**SRISHTI PRAKASHAN**  
Shop No 06, Star Complex 02  
First Floor, Sector 41-B,  
U.T. Chandigarh -160036, India  
email : srishtiprakashanchd@gmail.com  
website : www.srishtiprakashan.com  
Ph. 0172-5017991, +91-97819-15473

Copyright : Prof. (Dr.) Rajinder Pal Singh 'Josh'  
Edition : First 2021  
M.R.P. : 499/-  
Cover by : Kewal Kumar  
Laser Typesetting : GK Graphics, Chandigarh

साहिब-ए-किताब गुरु तेग बहादुर

प्रो.(डॉ.) राजिन्द्र पाल सिंह जोश (मुख्य सम्पादक)

डा. अमरदीप कौर (संपादक)

Produced and bound in India

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, filming or otherwise, without the prior permission of the author & publication.

This book has been published with all efforts taken to make the material error-free after the consent of the author. However, the author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. While every effort has been made to avoid any mistake or omission, this publication is being sold on the condition and understanding that neither the author nor the publishers or printers would be liable in any manner to any person by reason of any mistake or omission in this publication or for any action taken or omitted to be taken or advice rendered or accepted on the basis of this work. For any defect in printing or binding the publishers will be liable only to replace the defective copy by another copy of this work then available.



- |  |     |
|--|-----|
| 12. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਸ਼ਹਾਦਤ ਅਤੇ ਬਾਣੀ ਦਾ ਬ੍ਰਹਿਮੰਡੀ ਪ੍ਰਵਚਨ<br>ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ   | 149 |
| 13. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਬਾਣੀ : ਦਵੰਦ ਮੁਕਤਤਾ ਦਾ ਪ੍ਰਵਚਨ<br>ਡਾ. ਹਰਪ੍ਰੀਤ ਕੌਰ                 | 158 |
| 14. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸ਼ਰਨਜੀਤ ਕੌਰ | 167 |
| 15. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸੁਖਵੀਰ ਕੌਰ   | 176 |
| 16. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ<br>ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ, ਰੋਬਿਨਾ ਸਿੰਘ        | 186 |
| 17. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦਾ ਤਿਆਗ ਅਤੇ ਬੈਰਾਗ<br>ਡਾ. ਅਸਪ੍ਰੀਤ ਕੌਰ                         | 197 |

## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ

ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ\*

ਰੋਬਿਨਾ ਸਿੰਘ\*\*

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਧਰਮ ਦੇ ਨੌਵੇਂ ਗੁਰੂ ਸਨ ਜਿਸ ਦੀ ਸਥਾਪਨਾ ਪਹਿਲੇ ਗੁਰੂ ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਨੇ ਕੀਤੀ ਸੀ। ਇਹ ਖੋਜ-ਪੱਤਰ ਸ੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਜੀਵਨ ਨੂੰ ਕਲਾਕਾਰਾਂ ਦੀਆਂ ਨਜ਼ਰਾਂ ਰਾਹੀਂ ਦਰਸਾਉਂਦਾ ਹੈ, ਕਿਵੇਂ ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਜ਼ਿੰਦਗੀ ਨੂੰ ਰੂਹਾਨੀ ਰਸਤੇ 'ਤੇ ਲਿਆਉਂਦਾ ਅਤੇ ਆਪਣੇ ਚੇਲਿਆਂ ਨੂੰ ਲਾਲਚ, ਇੱਛਾ, ਹਉਮੈ ਅਤੇ ਦੁੱਖ ਨੂੰ ਦੂਰ ਕਰਨ ਦੀ ਸਿਖਲਾਈ ਦੇ ਕੇ ਭਗਤੀ ਦਾ ਰਾਹ ਦਿਖਾਇਆ। ਇਹ ਅਧਿਆਇ ਉਹਨਾਂ ਦੀ ਵਿਚਾਰਧਾਰਾ ਤੇ ਚਾਨਣਾ ਪਾਉਣ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਦਾ ਹੈ ਗੁਰੂ ਜੀ ਦੀ ਮਹਾਨ ਸ਼ਖਸੀਅਤ ਨੂੰ ਭਾਰਤੀ ਕਲਾਕਾਰਾਂ ਦੇ ਚਿੱਤਰਾਂ ਦੁਆਰਾ ਇਸ ਅਧਿਆਇ ਵਿਚ ਵਿਚਾਰਿਆ ਗਿਆ ਹੈ। ਇਸ ਅਧਿਆਇ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਵਿਅਕਤੀਤਵ ਬਾਰੇ ਕਲਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਦੁਆਰਾ ਦੱਸਿਆ ਗਿਆ ਹੈ। ਚਿੱਤਰਕਾਰੀ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਹੁਪੱਖੀ ਸ਼ਖਸੀਅਤ ਦੀ ਕਲਾਤਮਕ ਪਹੁੰਚ ਦੇ ਨਾਲ ਰੰਗ, ਰੂਪ, ਅਤੇ ਮੁਦਰਾ ਦੀ ਪ੍ਰਸੰਸਾ ਕੀਤੀ ਗਈ ਹੈ।

Like the shadow of a cloud

Whatever you see must disappear.

-Guru Tegh Bahadur ji (Duggal 1993, 178)

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ, ਜਿਨ੍ਹਾਂ ਨੂੰ 'ਬਾਬਾ ਬਕਾਲਾ' ਵੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ, ਦਾ ਜਨਮ ਸੰਨ 1621 ਵਿਚ ਅੰਮ੍ਰਿਤਸਰ ਦੇ ਗੁਰੂ ਮਹਿਲ ਵਿਖੇ ਹੋਇਆ ਸੀ ਅਤੇ ਉਹ ਛੇਵੇਂ ਸਿੱਖ ਗੁਰੂ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੇ ਸਭ ਤੋਂ ਛੋਟੇ ਪੁੱਤਰ ਸੀ (ਵਿਲੋ 2015, 177)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ 1675 ਵਿਚ ਕਸ਼ਮੀਰੀ ਪੰਡਤਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਚਾਉਣ ਲਈ ਆਪਣੀ ਜਾਨ ਕੁਰਬਾਨ ਕਰ ਦਿੱਤੀ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸੰਨਿਆਸੀ ਬਣਨ ਤੋਂ ਪਹਿਲਾਂ ਮਹਾਨ ਯੋਧਾ ਸਨ। ਉਹਨਾਂ ਦਾ ਜਨਮ ਦੇ ਸਮੇਂ ਨਾਮ ਤਿਆਗਮਲ ਸੀ। ਬਚਪਨ ਤੋਂ ਹੀ, ਉਹਨਾਂ ਨੇ ਨਾ ਸਿਰਫ ਸਾਹਿਤ ਸਿੱਖਿਆ,


\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ ਤੇ ਮੁੱਖੀ, ਵਾਈਨ ਆਰਟ ਵਿਭਾਗ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

ਸਿੱਖਾਂ ਅਤੇ ਮੁਗਲ ਫੌਜਾਂ ਵਿਚਕਾਰ ਲੜੀਆਂ ਲੜਾਈਆਂ ਦੌਰਾਨ ਤਲਵਾਰ ਚਲਾਉਣ, ਸਿਕਾਰ ਕਰਨਾ ਅਤੇ ਤਲਵਾਰ ਵਰਤਣ ਦੀ ਵੀ ਸਿਖਾਈ ਲਈ। ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਨਾਲ ਰੱਖਿਆ, ਜਿਸ ਕਾਰਨ ਉਹਨਾਂ ਨੂੰ ਕਾਰਜਾਂ ਦੀ ਯੋਜਨਾ ਅਤੇ ਲੜਾਈ ਦੇ ਵੱਖੋ-ਵੱਖਰੇ ਪੌਤਰਿਆਂ ਦੀ ਬਹੁਤ ਵੱਡੀ ਜਾਣਕਾਰੀ ਮਿਲੀ। ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਪਹਿਲੀ ਲੜਾਈ 1638 ਵਿਚ ਲੜੀ, ਜਦੋਂ ਉਹ ਸਿਰਫ 17 ਸਾਲਾਂ ਦੇ ਸੀ, ਇਸ ਲਈ ਬੜੀ ਬਹਾਦਰੀ ਨਾਲ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਪਿਤਾ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੁਆਰਾ ਤਲਵਾਰ ਦਾ ਮਾਲਕ, 'ਤੇਗ ਬਹਾਦਰ' ਦੀ ਉਪਾਧੀ ਪ੍ਰਾਪਤ ਹੋਈ (ਵਿਲੋ 2015, 178)। ਨਿਡਰ ਯੋਧਾ ਹੋਣ ਦੇ ਬਾਵਜੂਦ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਇਕ ਹਮਦਰਦ ਵਿਅਕਤੀ ਸਨ। ਲੜਾਈਆਂ ਦੁਆਰਾ ਪੈਦਾ ਹੋਈ ਤਬਾਹੀ ਦੇ ਕਾਰਨ ਉਹਨਾਂ ਨੇ ਸੰਨਿਆਸ ਲਿਆ ਅਤੇ ਉਹ ਧਰਮ ਦੇ ਮਾਰਗ 'ਤੇ ਚੱਲਣ ਲਈ ਪ੍ਰੇਰਿਤ ਹੋਏ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਤਪੱਸਿਆ ਦੇ ਕਾਰਨ, ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਆਪਣੇ ਭਰਾ ਦੇ ਪੁੱਤਰ, ਹਰ ਰਾਏ, ਨੂੰ ਅਕਲਾ ਸਿੱਖ ਗੁਰੂ ਬਣਾਉਣ ਦਾ ਫੈਸਲਾ ਕੀਤਾ। ਅਖੀਰ ਵਿੱਚ ਘਟਨਾਵਾਂ ਦੇ ਮੌਤ ਦੇ ਨਾਲ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੂੰ 1664 ਵਿੱਚ ਨੌਵਾਂ ਸਿੱਖ ਗੁਰੂ ਨਿਯੁਕਤ ਕੀਤਾ ਗਿਆ ਸੀ। (ਗਰੇਵਾਲ 2019, 52)

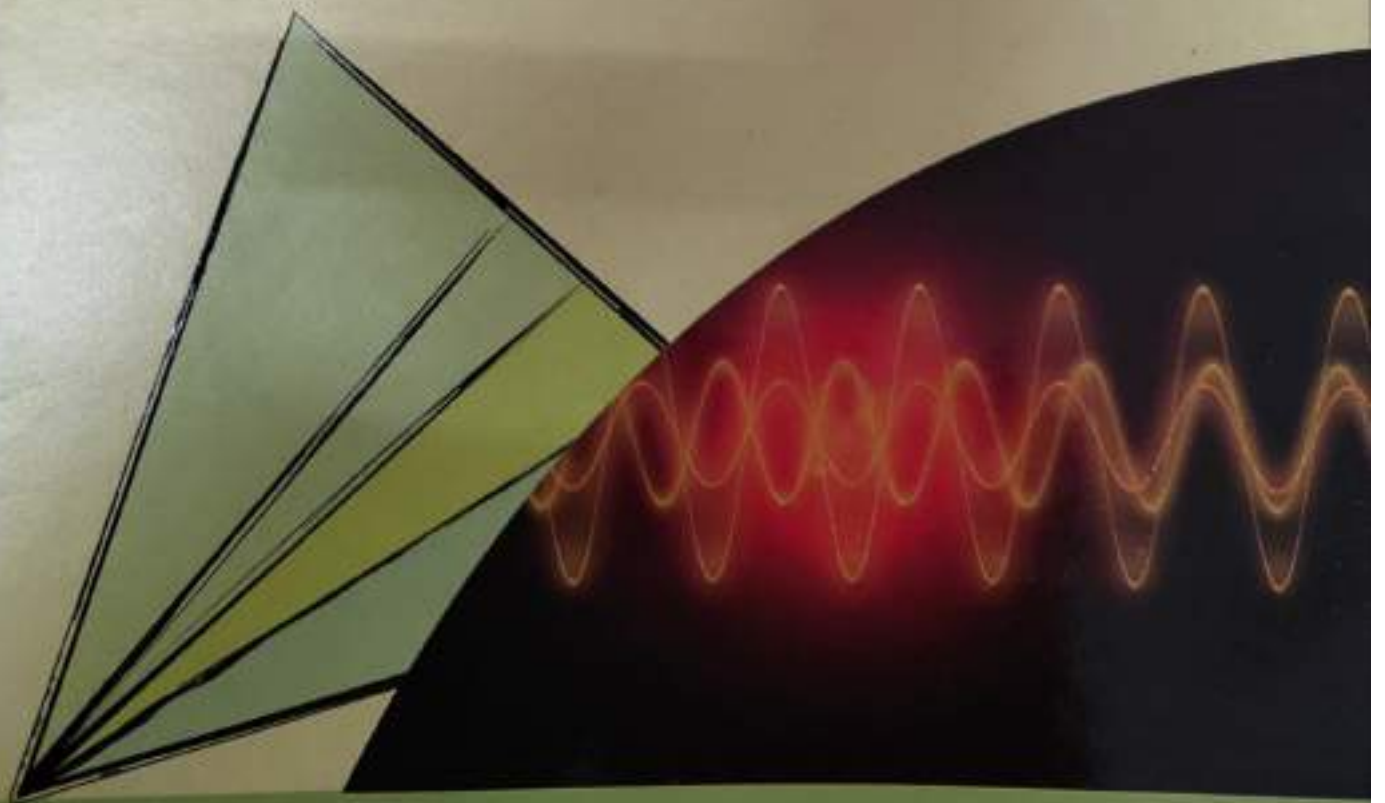
ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਹੋਣ ਤੋਂ ਬਾਅਦ ਅੰਮ੍ਰਿਤਸਰ ਚਲੇ ਗਏ ਅਤੇ ਬਾਅਦ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਸ਼ਹਿਰ ਦੀ ਸਥਾਪਨਾ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਕੀਰਤਪੁਰ ਨੇੜੇ ਕੀਤੀ ਗਈ ਸੀ। ਸਿੱਖ ਗੁਰੂ ਹੋਣ ਦੇ ਸਮੇਂ ਉਹਨਾਂ ਨੇ ਦੇਸ਼ ਭਰ ਦੀ ਯਾਤਰਾ ਕੀਤੀ ਅਤੇ ਅਖੀਰ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਜਾ ਵਸ ਗਏ। ਉਨ੍ਹਾਂ ਸਮਿਆਂ ਵਿਚ, ਔਰੰਗਜ਼ੇਬ ਦਿੱਲੀ ਵਿਖੇ ਸਮਰਾਟ ਸੀ ਅਤੇ ਉਸ ਦੀਆਂ ਮੁਗਲ ਫੌਜਾਂ ਗੈਰ ਮੁਸਲਮਾਨਾਂ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਦਲਣ ਲਈ ਤੰਗ ਕਰ ਰਹੀਆਂ ਸਨ (ਗੁਪਤਾ 1984, 202)। ਜਿਵੇਂ ਕਿ ਸਿੱਖ ਗੁਰੂ ਦੀਆਂ ਮਾਨਵਤਾਵਾਦੀ ਸ਼ਖਸੀਅਤਾਂ ਦਾ ਬਚਨ ਵਿਆਪਕ ਤੌਰ ਤੇ ਫੈਲਿਆ, ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣਾਂ ਦਾ ਵਫ਼ਦ ਗੁਰੂ ਦੀ ਸਹਾਇਤਾ ਲਈ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਆਇਆ। ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣ ਦੇ ਉਦੇਸ਼ ਲਈ ਆਪਣੇ ਆਪ ਨੂੰ ਕੁਰਬਾਨ ਕਰਨ ਲਈ ਆਪਣੇ ਛੋਟੇ ਬੇਟੇ ਗੋਬਿੰਦ ਰਾਏ ਦੇ ਸਮਰਥਨ ਨਾਲ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਦੇ ਹਮਦਰਦ ਸੁਭਾਅ ਦੀ ਇਕ ਮਹਾਨ ਮਿਸਾਲ ਕਾਇਮ ਕੀਤੀ। ਗੁਰੂ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਨੂੰ ਇਸ ਸੰਦੇਸ਼ ਨਾਲ ਵਾਪਸ ਆਉਣ ਲਈ ਕਿਹਾ ਕਿ ਜੇ ਸਿੱਖ ਗੁਰੂ ਮੁਸਲਮਾਨ ਬਣ ਜਾਣਗੇ ਤਾਂ ਸਾਰੇ ਬ੍ਰਾਹਮਣ ਆਪਣਾ ਧਰਮ ਬਦਲ ਦੇਣਗੇ (ਵਿਲੋ 2015, 191)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਔਰੰਗਜ਼ੇਬ ਦੁਆਰਾ ਸੰਮਨ 'ਤੇ ਦਿੱਲੀ ਰਵਾਨਾ ਹੋਣ ਤੋਂ ਪਹਿਲਾਂ ਆਪਣੇ ਪੁੱਤਰ ਗੋਬਿੰਦ ਰਾਏ ਨੂੰ ਦਸਵੇਂ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਕੀਤਾ, ਕਿਉਂਕਿ ਉਹ ਜਾਣਦੇ ਸਨ ਕਿ ਉਥੇ ਉਨ੍ਹਾਂ ਨਾਲ ਕੀ ਵਾਪਰਨਾ ਸੀ। ਇਹ ਸੰਨ



 MPH

**STATISTICAL PHYSICS  
AND  
THERMODYNAMICS-I**

DR. RENU BEDI  
DR. RENU BALA



# **Statistical Physics and Thermodynamics-I**

**For students of  
B.Sc. Semester-III  
(Panjab University)**

*Dr. Renu Bedi*

*Dr. Renu Bala*



© Authors

Edition: 2021

ISBN: 978-93-90758-27-2

## **Statistical Physics and Thermodynamics**

**Authors:**

**Dr. Renu Bedi**

*Retd. Head Dept. of Physics*

*MCM DAV College for Women, Chandigarh*

**Dr. Renu Bala**

*HOD, Physics*

*MCM DAV College for Women, Chandigarh*

**Published by**

**Dr. Akshu Pahuja**

**for Mohindra Publishing House**

**Registered office:** SCO 289, 1st Floor, Opposite Nirman Theatre

Sector-32D, Chandigarh - 160 031

**Branch office:** 605, Tower CV 5, Capetown

GH-01/A, Sector 74, Noida, Uttar Pradesh

Ph. 0172 - 5088686, 9872889970

email: [info@orderyourbooks.com](mailto:info@orderyourbooks.com)

[www.orderyourbooks.com](http://www.orderyourbooks.com)

### **All Rights Reserved.**

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the publisher of this book.

### **Disclaimer.**

Information contained in this book has been obtained from sources believed to be reliable and every effort has been made to ensure that it is accurate and in best interest of the students appearing for examination. The author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publications, whether such errors or omissions result from negligence, accident, or any other cause.

# Contents

1. BASIC IDEAS OF STATISTICAL PHYSICS	1-54
2. MAXWELL-BOLTZMANN STATISTICS	55-92
3. BOSE-EINSTEIN AND FERMI-DIRAC STATISTICS	93-138
• QUESTIONS PAPER UNSOLVED 2017-2019	139-144





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ  
ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

ਮੁਖਯ ਸੰਪਾਦਕ  
ਪ੍ਰੋਫ਼ੈਸਰ (ਡੌ.) ਰਾਜਿੰਦ੍ਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ  
ਡਾ. ਅਮਰਦੀਪ ਕੌਰ





ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ

ਸਾਹਿਬ-ਏ-ਕਿਤਾਬ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ

(ਸਮਾਲੋਚਨਾ)

ਮੁਖਯ ਸੰਪਾਦਕ

ਪ੍ਰੋਫੈਸਰ (ਡਾ.) ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ 'ਜੋਸ਼'

ਸੰਪਾਦਕ

ਡਾ. ਅਮਰਦੀਪ ਕੌਰ

**COMPLIMENTARY COPY**



ਸ੍ਰਿਣਿ  
ਪ੍ਰਕਾਸ਼ਨ  
ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਮੰਡਲੀ ਆਰ. ਓ. ਐ.



ISBN:978-93-90814-28-2

Published, Printed & bound by  
**SRISHTI PRAKASHAN**  
Shop No 06, Star Complex 02  
First Floor, Sector 41-B,  
U.T. Chandigarh -160036, India  
email : srishtiprakashanchd@gmail.com  
website : www.srishtiprakashan.com  
Ph. 0172-5017991, +91-97819-15473

Copyright : Prof. (Dr.) Rajinder Pal Singh 'Josh'  
Edition : First 2021  
M.R.P. : 499/-  
Cover by : Kewal Kumar  
Laser Typesetting : GK Graphics, Chandigarh

साहिब-ए-किताब गुरु तेग बहादुर

प्रो.(डॉ.) राजिन्द्र पाल सिंह जोश (मुख्य सम्पादक)

डा. अमरदीप कौर (संपादक)

Produced and bound in India

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, filming or otherwise, without the prior permission of the author & publication.

This book has been published with all efforts taken to make the material error-free after the consent of the author. However, the author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. While every effort has been made to avoid any mistake or omission, this publication is being sold on the condition and understanding that neither the author nor the publishers or printers would be liable in any manner to any person by reason of any mistake or omission in this publication or for any action taken or omitted to be taken or advice rendered or accepted on the basis of this work. For any defect in printing or binding the publishers will be liable only to replace the defective copy by another copy of this work then available.

- |  |     |
|--|-----|
| 12. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਸ਼ਹਾਦਤ ਅਤੇ ਬਾਣੀ ਦਾ ਬ੍ਰਹਿਮੰਡੀ ਪ੍ਰਵਚਨ<br>ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ   | 149 |
| 13. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਬਾਣੀ : ਦਵੰਦ ਮੁਕਤਤਾ ਦਾ ਪ੍ਰਵਚਨ<br>ਡਾ. ਹਰਪ੍ਰੀਤ ਕੌਰ                 | 158 |
| 14. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਨੈਤਿਕਤਾ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸ਼ਰਨਜੀਤ ਕੌਰ | 167 |
| 15. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿੱਚ ਸਦਾਚਾਰ ਦਾ ਸੰਕਲਪ<br>ਡਾ. ਅਮਰਦੀਪ ਕੌਰ, ਸੁਖਵੀਰ ਕੌਰ   | 176 |
| 16. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ<br>ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ, ਰੋਬਿਨਾ ਸਿੰਘ        | 186 |
| 17. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦਾ ਤਿਆਗ ਅਤੇ ਬੈਰਾਗ<br>ਡਾ. ਅਸਪ੍ਰੀਤ ਕੌਰ                         | 197 |



## ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਚਿੱਤਰਕਲਾ ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ

ਡਾ. ਪੂਜਾ ਸ਼ਰਮਾ\*

ਰੋਬਿਨਾ ਸਿੰਘ\*\*

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਧਰਮ ਦੇ ਨੌਵੇਂ ਗੁਰੂ ਸਨ ਜਿਸ ਦੀ ਸਥਾਪਨਾ ਪਹਿਲੇ ਗੁਰੂ ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਨੇ ਕੀਤੀ ਸੀ। ਇਹ ਖੋਜ-ਪੱਤਰ ਸ੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਜੀਵਨ ਨੂੰ ਕਲਾਕਾਰਾਂ ਦੀਆਂ ਨਜ਼ਰਾਂ ਰਾਹੀਂ ਦਰਸਾਉਂਦਾ ਹੈ, ਕਿਵੇਂ ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਜ਼ਿੰਦਗੀ ਨੂੰ ਰੂਹਾਨੀ ਰਸਤੇ 'ਤੇ ਲਿਆਉਂਦਾ ਅਤੇ ਆਪਣੇ ਚੇਲਿਆਂ ਨੂੰ ਲਾਲਚ, ਇੱਛਾ, ਹਉਮੈ ਅਤੇ ਦੁੱਖ ਨੂੰ ਦੂਰ ਕਰਨ ਦੀ ਸਿਖਲਾਈ ਦੇ ਕੇ ਭਗਤੀ ਦਾ ਰਾਹ ਦਿਖਾਇਆ। ਇਹ ਅਧਿਆਇ ਉਹਨਾਂ ਦੀ ਵਿਚਾਰਧਾਰਾ ਤੇ ਚਾਨਣਾ ਪਾਉਣ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਦਾ ਹੈ ਗੁਰੂ ਜੀ ਦੀ ਮਹਾਨ ਸ਼ਖਸੀਅਤ ਨੂੰ ਭਾਰਤੀ ਕਲਾਕਾਰਾਂ ਦੇ ਚਿੱਤਰਾਂ ਦੁਆਰਾ ਇਸ ਅਧਿਆਇ ਵਿਚ ਵਿਚਾਰਿਆ ਗਿਆ ਹੈ। ਇਸ ਅਧਿਆਇ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਵਿਅਕਤੀਤਵ ਬਾਰੇ ਕਲਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਦੁਆਰਾ ਦੱਸਿਆ ਗਿਆ ਹੈ। ਚਿੱਤਰਕਾਰੀ ਵਿਚ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਹੁਪੱਖੀ ਸ਼ਖਸੀਅਤ ਦੀ ਕਲਾਤਮਕ ਪਹੁੰਚ ਦੇ ਨਾਲ ਰੰਗ, ਰੂਪ, ਅਤੇ ਮੁਦਰਾ ਦੀ ਪ੍ਰਸੰਸਾ ਕੀਤੀ ਗਈ ਹੈ।

Like the shadow of a cloud

Whatever you see must disappear.

-Guru Tegh Bahadur ji (Duggal 1993, 178)

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ, ਜਿਨ੍ਹਾਂ ਨੂੰ 'ਬਾਬਾ ਬਕਾਲਾ' ਵੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ, ਦਾ ਜਨਮ ਸੰਨ 1621 ਵਿਚ ਅੰਮ੍ਰਿਤਸਰ ਦੇ ਗੁਰੂ ਮਹਿਲ ਵਿਖੇ ਹੋਇਆ ਸੀ ਅਤੇ ਉਹ ਛੇਵੇਂ ਸਿੱਖ ਗੁਰੂ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੇ ਸਭ ਤੋਂ ਛੋਟੇ ਪੁੱਤਰ ਸੀ (ਵਿਲੋ 2015, 177)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ 1675 ਵਿਚ ਕਸ਼ਮੀਰੀ ਪੰਡਤਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਚਾਉਣ ਲਈ ਆਪਣੀ ਜਾਨ ਕੁਰਬਾਨ ਕਰ ਦਿੱਤੀ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸੰਨਿਆਸੀ ਬਣਨ ਤੋਂ ਪਹਿਲਾਂ ਮਹਾਨ ਯੋਧਾ ਸਨ। ਉਹਨਾਂ ਦਾ ਜਨਮ ਦੇ ਸਮੇਂ ਨਾਮ ਤਿਆਗਮਲ ਸੀ। ਬਚਪਨ ਤੋਂ ਹੀ, ਉਹਨਾਂ ਨੇ ਨਾ ਸਿਰਫ ਸਾਹਿਤ ਸਿੱਖਿਆ,

\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ ਤੇ ਮੁੱਖੀ, ਫਾਈਨ ਆਰਟ ਵਿਭਾਗ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

\*\* ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਮੇਹਰ ਚੰਦ ਮਹਾਜਨ ਡੀ.ਏ.ਵੀ. ਕਾਲਜ ਫਾਰ ਵੁਮੈਨ, ਸੈਕਟਰ-36, ਚੰਡੀਗੜ੍ਹ

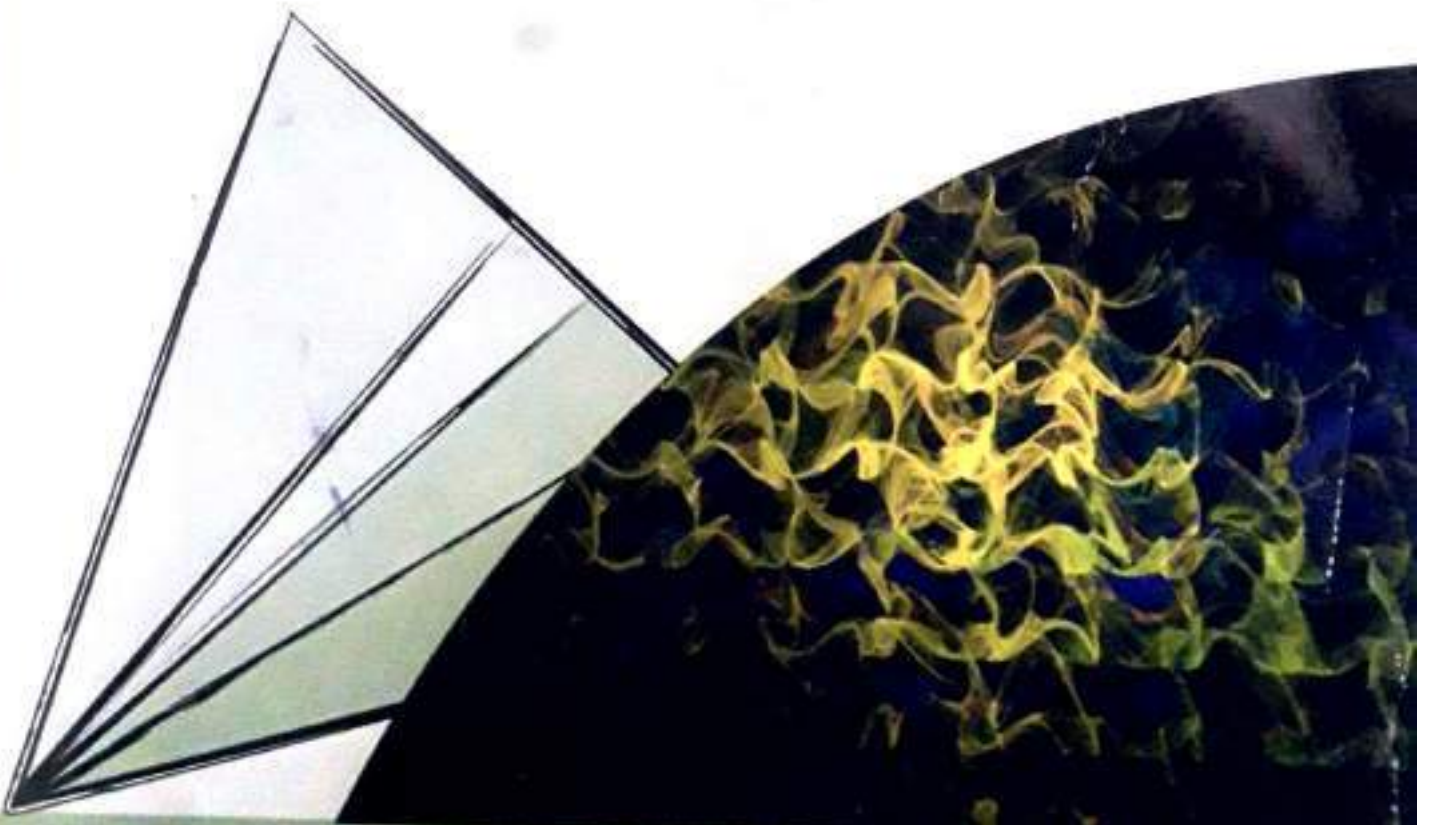
ਸਿੱਖਾਂ ਅਤੇ ਮੁਗਲ ਫੌਜਾਂ ਵਿਚਕਾਰ ਲੜੀਆਂ ਲੜਾਈਆਂ ਦੌਰਾਨ ਤਲਵਾਰ ਚਲਾਉਣ, ਸਿਕਾਰ ਕਰਨਾ ਅਤੇ ਤਲਵਾਰ ਵਰਤਣ ਦੀ ਵੀ ਸਿਖਾਈ ਲਈ। ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਨਾਲ ਰੱਖਿਆ, ਜਿਸ ਕਾਰਨ ਉਹਨਾਂ ਨੂੰ ਕਾਰਜਾਂ ਦੀ ਯੋਜਨਾ ਅਤੇ ਲੜਾਈ ਦੇ ਵੱਖੋ-ਵੱਖਰੇ ਪੌਤਰਿਆਂ ਦੀ ਬਹੁਤ ਵੱਡੀ ਜਾਣਕਾਰੀ ਮਿਲੀ। ਉਹਨਾਂ ਨੇ ਆਪਣੀ ਪਹਿਲੀ ਲੜਾਈ 1638 ਵਿਚ ਲੜੀ, ਜਦੋਂ ਉਹ ਸਿਰਫ 17 ਸਾਲਾਂ ਦੇ ਸੀ, ਇਸ ਲਈ ਬੜੀ ਬਹਾਦਰੀ ਨਾਲ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਪਿਤਾ ਗੁਰੂ ਹਰਗੋਬਿੰਦ ਜੀ ਦੁਆਰਾ ਤਲਵਾਰ ਦਾ ਮਾਲਕ, 'ਤੇਗ ਬਹਾਦਰ' ਦੀ ਉਪਾਧੀ ਪ੍ਰਾਪਤ ਹੋਈ (ਵਿਲੋ 2015, 178)। ਨਿਡਰ ਯੋਧਾ ਹੋਣ ਦੇ ਬਾਵਜੂਦ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਇਕ ਹਮਦਰਦ ਵਿਅਕਤੀ ਸਨ। ਲੜਾਈਆਂ ਦੁਆਰਾ ਪੈਦਾ ਹੋਈ ਤਬਾਹੀ ਦੇ ਕਾਰਨ ਉਹਨਾਂ ਨੇ ਸੰਨਿਆਸ ਲਿਆ ਅਤੇ ਉਹ ਧਰਮ ਦੇ ਮਾਰਗ 'ਤੇ ਚੱਲਣ ਲਈ ਪ੍ਰੇਰਿਤ ਹੋਏ। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੇ ਤਪੱਸਿਆ ਦੇ ਕਾਰਨ, ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਜੀ ਨੇ ਆਪਣੇ ਭਰਾ ਦੇ ਪੁੱਤਰ, ਹਰ ਰਾਏ, ਨੂੰ ਅਕਲਾ ਸਿੱਖ ਗੁਰੂ ਬਣਾਉਣ ਦਾ ਫੈਸਲਾ ਕੀਤਾ। ਅਖੀਰ ਵਿੱਚ ਘਟਨਾਵਾਂ ਦੇ ਮੌਤ ਦੇ ਨਾਲ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੂੰ 1664 ਵਿੱਚ ਨੌਵਾਂ ਸਿੱਖ ਗੁਰੂ ਨਿਯੁਕਤ ਕੀਤਾ ਗਿਆ ਸੀ। (ਗਰੇਵਾਲ 2019, 52)

ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਹੋਣ ਤੋਂ ਬਾਅਦ ਅੰਮ੍ਰਿਤਸਰ ਚਲੇ ਗਏ ਅਤੇ ਬਾਅਦ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਸ਼ਹਿਰ ਦੀ ਸਥਾਪਨਾ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਕੀਰਤਪੁਰ ਨੇੜੇ ਕੀਤੀ ਗਈ ਸੀ। ਸਿੱਖ ਗੁਰੂ ਹੋਣ ਦੇ ਸਮੇਂ ਉਹਨਾਂ ਨੇ ਦੇਸ਼ ਭਰ ਦੀ ਯਾਤਰਾ ਕੀਤੀ ਅਤੇ ਅਖੀਰ ਵਿਚ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਜਾ ਵਸ ਗਏ। ਉਨ੍ਹਾਂ ਸਮਿਆਂ ਵਿਚ, ਔਰੰਗਜ਼ੇਬ ਦਿੱਲੀ ਵਿਖੇ ਸਮਰਾਟ ਸੀ ਅਤੇ ਉਸ ਦੀਆਂ ਮੁਗਲ ਫੌਜਾਂ ਗੈਰ ਮੁਸਲਮਾਨਾਂ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਧਰਮ ਨੂੰ ਬਦਲਣ ਲਈ ਤੰਗ ਕਰ ਰਹੀਆਂ ਸਨ (ਗੁਪਤਾ 1984, 202)। ਜਿਵੇਂ ਕਿ ਸਿੱਖ ਗੁਰੂ ਦੀਆਂ ਮਾਨਵਤਾਵਾਦੀ ਸ਼ਖਸੀਅਤਾਂ ਦਾ ਬਚਨ ਵਿਆਪਕ ਤੌਰ ਤੇ ਫੈਲਿਆ, ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣਾਂ ਦਾ ਵਫ਼ਦ ਗੁਰੂ ਦੀ ਸਹਾਇਤਾ ਲਈ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਆਇਆ। ਕਸ਼ਮੀਰੀ ਬ੍ਰਾਹਮਣ ਦੇ ਉਦੇਸ਼ ਲਈ ਆਪਣੇ ਆਪ ਨੂੰ ਕੁਰਬਾਨ ਕਰਨ ਲਈ ਆਪਣੇ ਛੋਟੇ ਬੇਟੇ ਗੋਬਿੰਦ ਰਾਏ ਦੇ ਸਮਰਥਨ ਨਾਲ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਦੇ ਹਮਦਰਦ ਸੁਭਾਅ ਦੀ ਇਕ ਮਹਾਨ ਮਿਸਾਲ ਕਾਇਮ ਕੀਤੀ। ਗੁਰੂ ਜੀ ਨੇ ਉਨ੍ਹਾਂ ਨੂੰ ਇਸ ਸੰਦੇਸ਼ ਨਾਲ ਵਾਪਸ ਆਉਣ ਲਈ ਕਿਹਾ ਕਿ ਜੇ ਸਿੱਖ ਗੁਰੂ ਮੁਸਲਮਾਨ ਬਣ ਜਾਣਗੇ ਤਾਂ ਸਾਰੇ ਬ੍ਰਾਹਮਣ ਆਪਣਾ ਧਰਮ ਬਦਲ ਦੇਣਗੇ (ਵਿਲੋ 2015, 191)। ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਨੇ ਔਰੰਗਜ਼ੇਬ ਦੁਆਰਾ ਸੰਮਨ 'ਤੇ ਦਿੱਲੀ ਰਵਾਨਾ ਹੋਣ ਤੋਂ ਪਹਿਲਾਂ ਆਪਣੇ ਪੁੱਤਰ ਗੋਬਿੰਦ ਰਾਏ ਨੂੰ ਦਸਵੇਂ ਸਿੱਖ ਗੁਰੂ ਵਜੋਂ ਨਿਯੁਕਤ ਕੀਤਾ, ਕਿਉਂਕਿ ਉਹ ਜਾਣਦੇ ਸਨ ਕਿ ਉਥੇ ਉਨ੍ਹਾਂ ਨਾਲ ਕੀ ਵਾਪਰਨਾ ਸੀ। ਇਹ ਸੰਨ



**VIBRATIONS, WAVES  
AND  
E.M. THEORY-I**

DR. NEELAM MALHOTRA  
DR. RUNJUN SARMA





© Authors

Edition: 2021

ISBN: 978-93-90758-32-6

## A text book of Waves and Vibrations-I

### Authors:

**Dr. Neelam Malhotra**

*Retd. Head, Department of Physics*

*MCM D.A.V. College for Women, Chandigarh*

**Dr. Runjun Sarma**

*Asst. Professor of Physics*

*MCM D.A.V. College for Women, Chandigarh*

### Published by

Dr. Akshu Pahuja

### for Mohindra Publishing House

**Registered office:** SCO 289, 1st Floor, Opposite Nirman Theatre

Sector-32D, Chandigarh - 160 031

**Branch office:** 605, Tower CV 5, Capetown

GH-01/A, Sector 74, Noida, Uttar Pradesh

Ph. 0172 - 5088686, 9872889970

email: [info@orderyourbooks.com](mailto:info@orderyourbooks.com)

[www.orderyourbooks.com](http://www.orderyourbooks.com)

Printed at Sanjay Binder, Chandigarh

### All Rights Reserved.

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the publisher of this book.

### Disclaimer.

Information contained in this book has been obtained from sources believed to be reliable and every effort has been made to ensure that it is accurate and in best interest of the students appearing for examination. The author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publications, whether such errors or omissions result from negligence, accident, or any other cause.

# Contents

1. SIMPLE HARMONIC MOTION	1
2. DAMPED HARMONIC MOTION	48
3. THE FORCED OSCILLATOR	90
4. COUPLED HARMONIC OSCILLATORS	144
* UNSOLVED PAPER DECEMBER 2017-2019	183



### OTHER USEFUL TITLES

VIBRATIONS, WAVES AND E.M. THEORY-I  
DR. NEELAM MALHOTRA & DR. RUNJUN SARMA

ELECTRICITY AND MAGNETISM-1  
DR. RENU BEDI & DR. DEEPAK GARG

BROWSER (A QUESTION BANK)  
B.SC. SEM. I, PANJAB UNIVERSITY



[www.orderyourbooks.com](http://www.orderyourbooks.com)



Books Available at : Chandigarh, Panchkula and Mohali (All leading book stores). Ludhiana (Amit Book Depot Books Market Ludhiana-9815807871, Bhatia Book Centre Books Market Ludhiana-9815277131, Ramesh Book Depot Books Market Ludhiana-9815598567, Kiran Book Shop Civil Lines College Road Ludhiana-9876498160, Gupta Book Centre Books Market Ludhiana, Chhabra Book Shop Gulati Chowk, Pritm Nagar, Model Town-0161 240 5427). Hoshiarpur (Handa Book Company Vakila Bazar, Hoshiarpur-9876885854, Ram Book Depot Govt College Road Hoshiarpur-7307234100, Evergreen Chand Lal Soni & Sons -0188-2225325. Ferozepur City (Vishal Book Depot Main bazar Ferozepur City-01632-224932). Ferozepur Cantt. ( Punjab Book Depot Neem Wala Chowk Ferozepur Cantt-01632-242133). Malout (Master Karam Chand & Sons, near jhamb guest house main Bazar Malout-09357262708. Abohar Aggarwal Books & Stationery Mart Near DAV CAMPUS, Abohar, Punjab 152116. Jalandhar Subhash Book Depot Old Railway Rd, Old Court, Jalandhar, Punjab, Khanna (Kapoor Book Shop, Books Market Khanna, Punjab-0162-8221553).



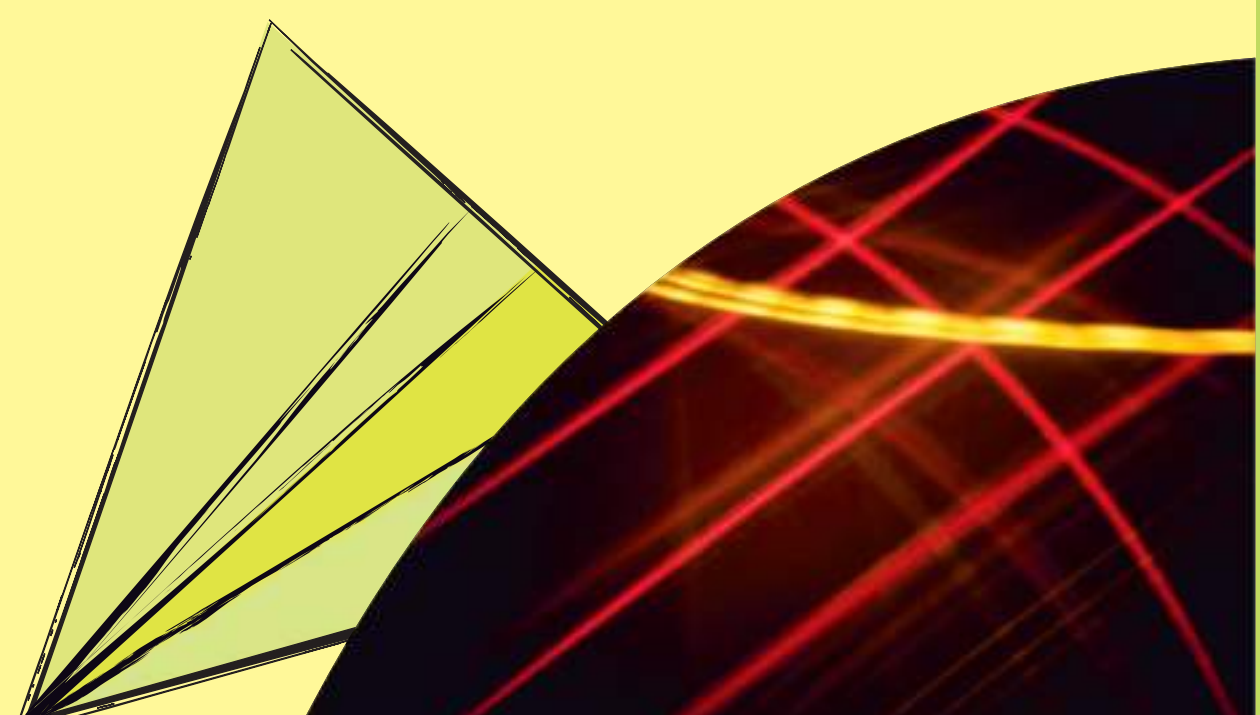
A Text book of MECHANICS-I



# A Text book of MECHANICS-I

MS. RAMAN CHADHA  
DR. SWATI KHATTA

MS. RAMAN CHADHA & DR. SWATI KHATTA



© Authors

Edition: 2021

ISBN: 978-93-90758-36-4

## A text book of Mechanics-I

### Authors:

**Ms. Raman Chadha**

*Retd. Asst. Professor in Physics*

*MCM D.A.V. College for Women, Chandigarh*

**Dr. Swati Khatta**

*M.Sc. (Gold medallist), Ph.D.*

*Asst. Professor in Physics*

*MCM D.A.V. College for Women, Chandigarh*

### Published by

Dr. Akshu Pahuja

### for Mohindra Publishing House

**Registered office:** SCO 289, 1st Floor, Opposite Nirman Theatre

Sector-32D, Chandigarh - 160 031

**Branch office:** 605, Tower CV 5, Capetown

GH-01/A, Sector 74, Noida, Uttar Pradesh

Ph. 0172 - 5088686, 9872889970

email: [info@orderyourbooks.com](mailto:info@orderyourbooks.com)

[www.orderyourbooks.com](http://www.orderyourbooks.com)

Printed at Sanjay Binder, Chandigarh

### All Rights Reserved.

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission of both the copyright owner and the publisher of this book.

### Disclaimer.

Information contained in this book has been obtained from sources believed to be reliable and every effort has been made to ensure that it is accurate and in best interest of the students appearing for examination. The author and the publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publications, whether such errors or omissions result from negligence, accident, or any other cause.



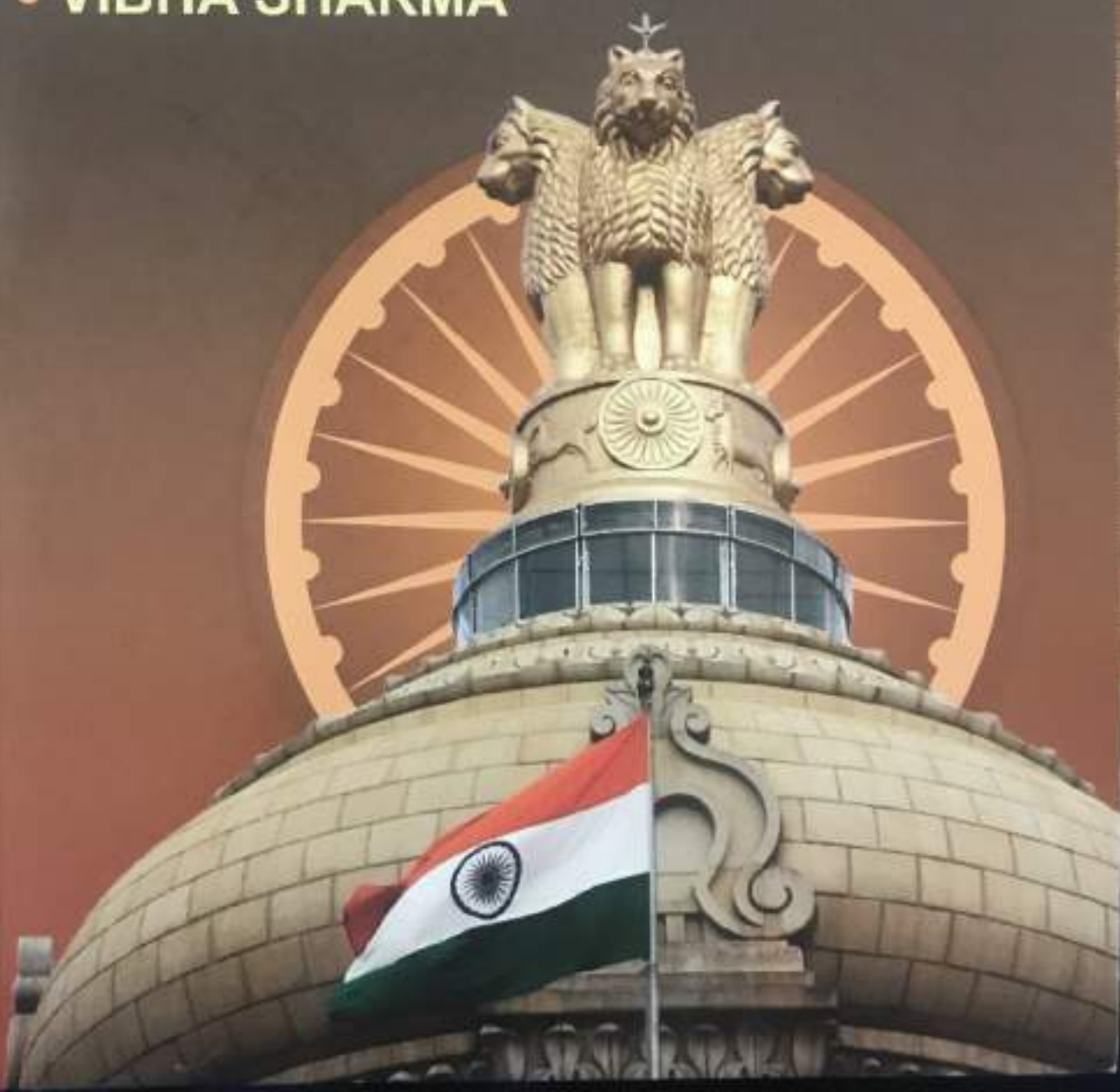
# Contents

1. CO-ORDINATES SYSTEMS AND MOTION OF A PARTICLE	1
2. INVERSE SQUARE LAW	98
3. SPACE TIME SYMMETRY AND CONSERVATION LAWS	167
4. COLLISIONS	193
* UNSOLVED PAPER DECEMBER 2017-2019	250

For B.A. 2nd Sem. P.U., Chd

# INDIAN ADMINISTRATION

• VIBHA SHARMA







**INDIAN**

**ADMINISTRATION**



For B.A. 2nd Semester Students of Panjab University, Chandigarh

---

by

Dr. Vibha Sharma

---

**CROWN BOOKS**

N.D. 136, Bikrampura, Jalandhar

(© Copyrights reserved with the Author)

**Dr. Vibha Sharma**

B.Sc. (H) Zoology, M.A., M.Phil & Ph.D. in Public Administration  
Associate Professor & Head  
Department of Public Administration (Police Administration)  
Mehar Chand Mahajan D.A.V. College for Women, CHANDIGARH  
Guest Faculty  
Centre for Police Administration  
UIEASS  
Panjab University, Chandigarh

ISBN : 978-93-82052-91-3

First Edition : 2021

**Price : Rs. 250.00**



*Every effort has been made to avoid errors of omissions in this publication. In spite of this, errors may have crept in. Any mistake, error or discrepancy noted may be brought to our notice which shall be taken care of in the next edition. It is notified that neither the publisher nor the author will be responsible for any damage or loss of action to any one, of any kind, in any manner, therefrom. It is suggested that to avoid any doubt the reader should cross-check with other authentic works on the subject. For binding mistake, misprints or for missing pages, etc., the publisher's liability is limited to replacement or repair within six months of the purchase by similar edition.*

**Publisher : Crown Books, N.D. 136, Bilkampura, Jalandhar**

**Typesetting : Crown Media, Jalandhar**

**Printer : Premier Printing Press, Jalandhar**



# Contents

## UNIT - I

Features of the Indian Administration	3
Union Executive : The President of India	11
Union Executive - The Prime Minister of India	32
Union Executive - Council of Ministers	38
Union Legislature - Parliament : Rajya Sabha and Lok Sabha	44

## UNIT - II

State Executive - Governor of a State	63
State Executive - The Chief Minister of a State	70
State Executive - State Council of Ministers	75
State Legislature - Vidhan Parishad and Vidhan Sabha	80
Centre-State Relations: Administration, Legislative and Financial	90

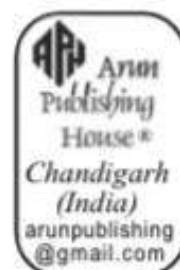
## UNIT - III

Judiciary	103
Control over Administration: Executive, Legislative and Judicial	116
Delegated Legislation	130

## UNIT - IV

Cabinet Secretariat and Cabinet Secretary	139
State Secretariat and Chief Secretary	146
District Administration & Deputy Commissioner	151
<b>Chapter-Wise Questions</b>	159
<b>Suggested Readings</b>	167

**SIMMERING SILENCES AND BENEATH**  
**An Anthology of Gender Issues in India**





---

---

# **SIMMERING SILENCES AND BENEATH**

**An Anthology of Gender Issues in India**

---

---

**Dr. Zeenat Khan**

*Sr. Assistant Professor  
Postgraduate Department of English*

**Pallavi Kapila**

*Assistant Professor  
Department of Sociology*

**Urvi Sharma**

*Assistant Professor  
Postgraduate Department of English*

*Mehr Chand Mahajan DAV College for Women,  
Sector-36, Chandigarh*



*Arun Publishing House*  
SCO 49-51, Sector - 17C,  
Chandigarh - 160 017 (India)

*Arun Publishing House*  
SCO 49-51, SECTOR 17 C,  
CHANDIGARH - 160 017  
EMAIL: arunpublishing@gmail.com  
Tel. - (0172) - 2702189

**Sales/Liaison/Warehouses-Godowns/Stokists/Distributors/Branches**

Chandigarh>New Delhi>Bengaluru>Hyderabad>Cochin>Goa>  
Guwahati>Derabassi>Australia>Canada

**Australia-** 3/62, Canterbury Road, Hurstville Park, NSW 2193  
(email: neapen.aus@gmail.com)

**Canada-** (email: neapen.ca@gmail.com)

SIMMERING SILENCES AND BENEATH: An Anthology of Gender Issues in India-  
Zeenat Khan, Pallavi Kapila, Urvi Sharma

*International Standard Book Number (ISBN): 978-81-8048-299-1*

**First Published: 2021**

© 2021 Author

All rights reserved. This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved. No part of this publication may be reproduced, stored in or introduced into a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of both the copyright owner and the publisher of this book.

The views and opinions expressed in this book are the author's own and the facts verified to the extent possible are as reported by the author/s have been reproduced and the publishers in no way are responsible/liable for any affect on account of any expression, whatsoever. Any assertion regarding proprietary name/trademark etc. should not be taken as affecting the legal status of these names/marks.

*Designed and Photo-composed at:*

New Era Book Agency  
SCO 49-51 (Basement), Sector - 17C  
Chandigarh - 160 017 (India)  
Tel.: 2702318



## Contents

### Foreword

*Dr. Nisha Bhargava, Principal, Mehr Chand Mahajan  
DAV College for Women, Chandigarh*

### Introduction

#### Chapter 1

##### **Gendered Identities in Socio- Cultural Milieu of India**

*Dr. Zeenat Khan, Sr. Assistant Professor,  
Mehr Chand Mahajan DAV College for Women, Chandigarh ..... 15*

#### Chapter 2

##### **HIV/AIDS and Health Issues: An Ethnographic Study of Most Vulnerable Community, the Transgender**

*Dr. Jagdish Mehta, Associate Professor and HOD  
(Dept of Sociology), DAV College, Sector 10, Chandigarh  
Dr. Sonu Kashyap, Assistant Professor DAV College,  
Sector 10, Chandigarh ..... 22*

#### Chapter 3

##### **Intersectionality of Caste and Gender: Victims, Violence and the Matrix of Power**

*Dr. Kauser Tasneem, Assistant Professor,  
Karim City College, Jamshedpur ..... 27*

#### Chapter 4

##### **Promoting Gender Equality through Social Dialogue: A Critique**

*Dr. Ratan Bhattacharjee, Associate Professor and Chair,  
Post Graduate Dept of English, Dum Dum Motijheel  
College, Kolkata ..... 37*

#### Chapter 5

##### **“Womanism”: Navigations Through Indian Feminism**

*Dr. Sunaina Jain, Assistant Professor, Mehr Chand  
Mahajan DAV College for Women, Chandigarh ..... 43*

#### Chapter 6

##### **Commodifying the Female Body: A Look into Bollywood Movie**

*Pallabi Maji, Research Scholar  
Dr. Arindam Modak, Associate Professor  
National Institute of Technology, Durgapur ..... 52*

**Chapter 7****On the Spectrum: Revisiting the Sociological Perspective of Sex v. Gender**

*Pallavi Kapila, Assistant Professor, Mehr Chand Mahajan DAV College for Women* ..... 68

**Chapter 8****The Other Woman in the Other Space: Locating Prostitution and Heterotopia in the Selected Texts**

*Paulami Sengupta, Research Scholar, College Street Campus, University of Calcutta* ..... 74

**Chapter 9****Troubled Identity: A Critical analysis of *The World that Belongs to Us: An Anthology of Queer Poetry from South Asia***

*Sayantani Sengupta, Research Scholar, St. Xavier's University, Kolkata* ..... 83

**Chapter 10****Negative Oedipus Complex and the Quest Towards Masculinity in Arvind Adiga's *The White Tiger***

*Rutuja Pradhan, Researcher, University of Mumbai* ..... 95

**Chapter 11****Pedestalizing Female Sacrifice and Silence in the Indian Context through the Movie *Fire***

*Parvathi Chandrasekharan Nair, Researcher, University of Mumbai* ..... 102

**Chapter 12****Corroboration of Gender during the Partition of Bengal: An Analysis of Epar Ganga Opar Ganga**

*Debasmita Mahajan, Research Scholar, Techno India University, West Bengal* ..... 111

**Chapter 13****Coming Out and Leaving the Closet Behind: Academic Frameworks and the Future of Gender Studi**

*Urvi Sharma, Assistant Professor, Mehr Chand Mahajan DAV College for Women, Chandigarh* ..... 117





## Chapter 1

## Gender Roles and Gendered Identities

### A Review of Socio-Spatial Matrix in India

**Dr. Zeenat Khan**

**Abstract:** *Gender has two aspects, one related to biology and the other to the socio-spatial construction. The main argument of most of the approaches related to Gender theory has been that gender is more of a social construct and the meanings attached to sex are socially informed and culturally disseminated. Biology as an exclusive determiner of sexual orientations is widely and equivocally challenged by majority of approaches that fall under the umbrella term 'Gender Theory'. The attempt to explain the complex human behaviour related to sex, sexuality and sexual orientations has been a major engagement in most of the sociological theories related to gender.*

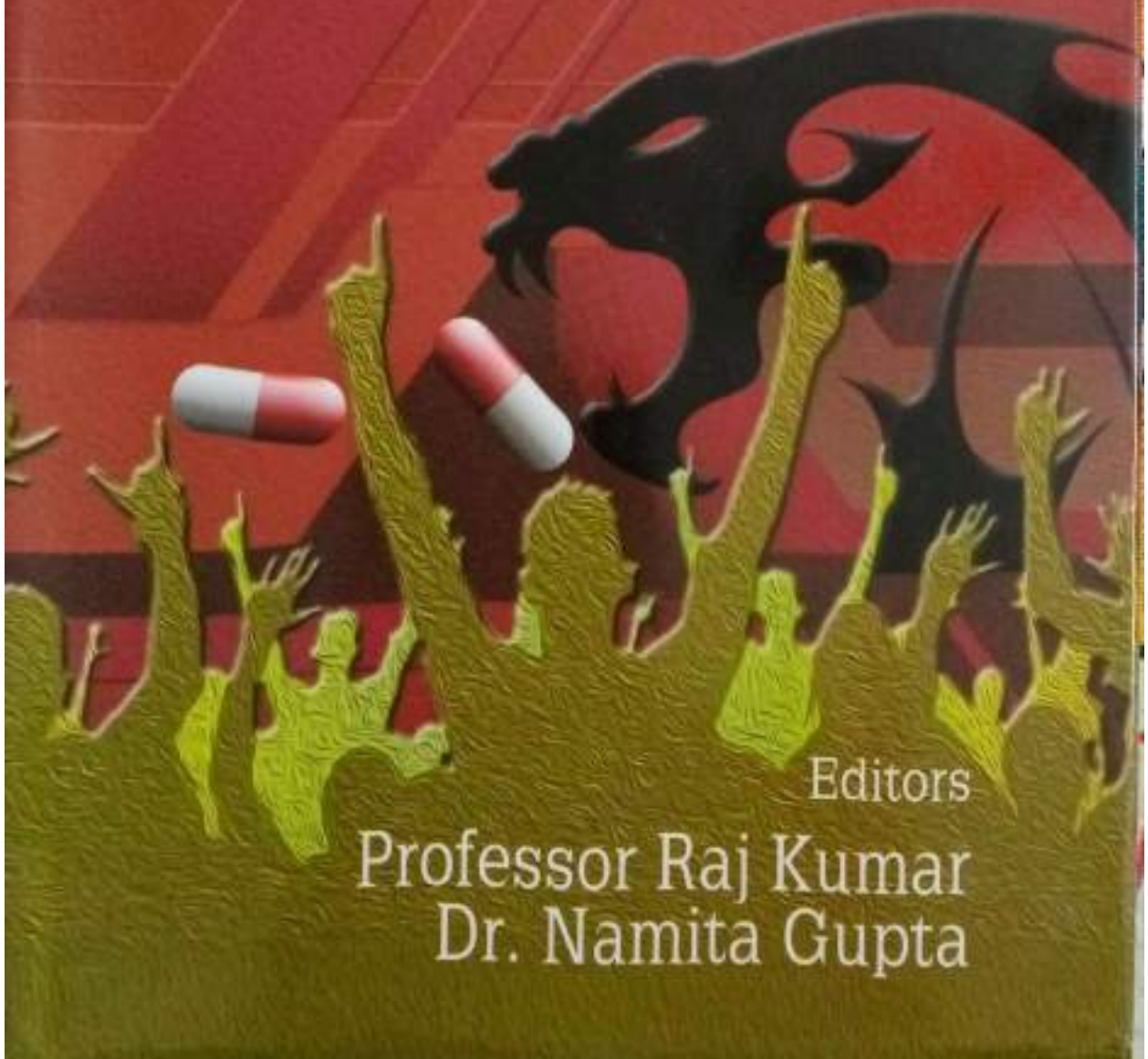
*In this chapter the gendered layers of identity as understood widely in the gender discourse of India will be reflected upon. As making of the gender is a part of various constructions which are socially informed and culturally etched, this discourse naturally leads its way into the social fabric and is not easily penetrable. Hence, this chapter will review the socio-spatial matrix of India within which the roles and identities are interconnected and play the gender game in a complex way.*

**Key Words:** *Identity, Gender, Society, Culture, India.*

The understanding of making and/or unmaking of gender requires understanding of the multiple factors related to social, political, economic, religious and psychological fluxes which are constantly playing the gender-game with a subject. These gender-games weave-in so intricately with the day-to-day life of a person that almost all aspects of life, like patterns of bodily postures and gestures, feelings and desires, food choices and habits, dress-up and body image etc. are hugely affected by these gender-games and thus they consequently and inevitably become inseparable part of the gender discourse in a society. These identities thus we may say are “constructed by, and subjected to, the cultural and historical discourses within which they must operate” (Ortner 1). As Beauvoir puts it, “one is not born a woman, one becomes one” (77). Hence, cultural, ideological, or discursive formations are the wide frameworks within which identities and social positions are constructed. Therefore, it is very important to observe and study the cultural meanings and social structures that construct these gendered identities. Formally speaking, in late 1970s the works by Bourdieu, Giddens, Sahlins and Carteau, were seminal in laying down the foundations of theoretical frameworks for understanding of the cultural and social life of the individuals and formation of the gendered identities. Similarly, the



# Human Rights Youth and Drugs



Editors

Professor Raj Kumar  
Dr. Namita Gupta



10. Challenges in Protection of Human Rights of Drug Abused and Addicts in the Criminal Justice System of India  
*Aditya Choudhary and Mukta Jangir*
11. Harm Reduction Services and the Punitive Drug Laws  
*Harsimrat Kaur Thind*

PART III  
YOUTH AND CIVIL SOCIETY: JOURNEYS OF CHANGE  
AND INTERVENTION

12. Youth as the Most Vulnerable Category of Drug Abuse  
*Dr. Damanjit Kaur*
- ✓ 13. Susceptibility of Youth in the Use and Abuse of Drugs in India  
*Dr. Bhavna Sood and Suman Bizla*
14. Empirical Study on the Drug Abuse and Its Vulnerability Among the Youth of Punjab  
*Binesh Bhatia*
15. Trend of Increasing Use of Tobacco and Alcohol in Hindi Cinema: A Gendered Perspective  
*Dr. Anu H. Gupta*

# Quality Enhancement and Sustenance in Teacher Education

*Trends, Challenges and a Way Ahead*

April 30, 2021



Editor: Dr. Harjeet Kaur Sra

Co-Editor: Dr. Kusum Lata



**Quality Enhancement and Sustenance in Teacher Education:  
*Trends, Challenges and a way Ahead***

ISBN : 978-93-90758-19-7

© Rattan Professional Education College

EDITION: 1

VOLUME: 1

Published By:

**Mohindra Publishing House**

SCO 289, 1<sup>st</sup> Floor, Opp. Nirmal Theatre  
Sector 32D, Chandigarh – 160 031

**DISCLAIMER:**

The characters and incidents portrayed in the book are in illustration of events in the realm of a man eater. They have been described as perceived by the authors. The research paper contains views, opinion & thoughts of respective authors necessarily not endorsed by the members of editorial board. Information contained in this book has been obtained from sources to be reliable and every effort has been made to ensure that it is accurate. The authors and the publisher do not assume and hereby disclaim and liability to any party for any loss, damage, or disruption caused by accuracy or sufficiency of the information contained in the publication, whether such errors or omissions result from negligence, accident, or any other cause.

Printed by: Savitar Graphics, Plot No. 367, Industrial Area, Phase 9, S.A.S. Nagar (Punjab)

30	Revamping Teacher Education System	Ms. Anamika Dubey	185-190
31	Revamping Teacher Education System	Ms. Twinkle Aggarwal	191-195
32	Revamping Teacher Education System	Ms. Yashsvi	196-205

### **THEME III**

#### ***BEST PRACTICES IN TEACHING, LEARNING AND EVALUATION FOR QUALITY ENHANCEMENT*** **206-244**

33	Towards a New Paradigm of Teaching and Learning	Dr. Jyoti Soni	207-213
34	Best practices for written Expressions :An approach to Enhance Quality Learning	Mr. Sultan Singh & Dr. Kusum	214-220
35	Blended E-learning : A Best practice in Teaching Learning for Quality Enhancement	Ms. Sonu Bala Dhiman & Dr. Manju Gera	221-226
36	Mind mapping as Best practice to Augment mathematical understanding and critical thinking ; A theoretical proposition	Ms. Anupam & Dr. Kusum	227-231
37	Best practices in Teaching and Learning	Ms. Ranjna Sharma	232-238
38	Best practices in Teaching, Learning and Evaluation in Mathematics ; Issues and challenges	Ms. Preeti	239-244

### **THEME IV**

#### ***INCLUSIVE AND INNOVATIVE PRACTICES TO BRING BACK LIFE TO CLASSROOMS*** **245-293**

39	Inclusive and Quality Education: Case Analysis of Delhi Government Schools	Dr. Bindu Dogra & Ms. Gargi Kanwar	246-257
40	Role of Teacher in Inclusive Education	Ms. Baljinder Kaur	258-263
41	Innovative Practices to Bring Back Life to Classrooms	Ms. Rozy Manchanda	264-270
42	Inclusive and Innovative practices to bring back life in classrooms	Dr. Kusum Lata	271-280



## INCLUSIVE AND QUALITY EDUCATION: CASE ANALYSIS OF DELHI GOVERNMENT SCHOOLS

\*Dr. Bindu Dogra & \*\*Ms. Gargi Kanwar

\*Assistant Professor, PG Dept. Of Sociology, MCM DAV, College for women, Chandigarh

\*\*Student: M.A. IV Semester (Sociology), MCM DAV, College for women, Chandigarh

---

### ABSTRACT

The 21<sup>st</sup> century education is all about giving students the required skills they need to succeed in the new world and helping them to develop problem solving and critical thinking abilities. Today education is a necessity not a mere luxury to compete at a Global level. Unfortunately the Government schools all over India are lagging behind in this endeavor. There is a clear preference among parents for private schools even if it is heavy on their pocket. However, the Rajkiya Pratibha Vikas Vidyalaya a government-run school in Delhi has successfully changed the conventional perception of the government schooling experience. This school has topped in the India School Ranking 2019 for government day schools in the country. This school has transformed not only its infrastructure but also increased the standard of education. Various training sessions, happiness curriculum and many more faculty members and students have clearly boosted the motivation levels of teachers and enthusiasm of the students. Therefore, the prime aim of this paper is to present the inclusive and innovative practices of Delhi Government Schools as a model of education to bring life to the classrooms. Hence the present paper will stress on the constructive ways to ensure that all children get education that passes the test of quality, opportunity and equity. Besides this the paper will also focus on how Delhi school model can be relooked and replicated to raise the standard of quality of education in other states of our country as well.

**Key words:** Education, Delhi Model, Infrastructure, Training Sessions



**Progress in Advanced  
Computing and Intelligent  
Engineering**

pp 515–526 | [Cite as](#)

# Performance Evaluation of VM Allocation Strategies on Heterogeneous Environments in Cloud Data Center

[Rajni Garg](#) , [Indu Arora](#) & [Anu Gupta](#)

Conference paper | [First Online: 16 April 2021](#)

**366** Accesses

Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 1299)



# Abstract

---

Cloud computing paradigm provides on demand utilities to the customers and involves high resource requirements.

Virtual machine allocation plays a vital role in the optimization of resource usage in a data center. This approach consolidates workload on minimal number of servers to improve their resource utilization and thus contributes to energy efficiency. The literature evidences number of virtual machine allocation strategies that vary considerably in adopted approaches and evaluation environments. This research work aims to analyze performance of commonly used heuristic allocation policies. To ensure logistic comparison, the selection of policies is done that implements bin-packing approach in

allocation. These algorithms are intensively compared to different workload data-sets and varying experimental setups. Performance of these algorithms with different threshold and virtual machine selection policies is also evaluated. The results conclude that the policies which consider power and computing capacity of the server perform better in almost all scenarios.

## Keywords

**Virtual machine allocation**

**Workload traces**

**Server heterogeneity**

**Energy efficiency**

**Service level agreements**



▼ Chapter

EUR 29.95

Price includes VAT (India)

- DOI: 10.1007/978-981-33-4299-6\_43
- Chapter length: 12 pages
- Instant PDF download
- Readable on all devices
- Own it forever
- Exclusive offer for individuals only
- Tax calculation will be finalised during checkout

[Buy Chapter](#)[> eBook](#)

EUR 181.89

[> Softcover Book](#)

EUR 219.99

[Learn about institutional subscriptions](#)

## References

---

1. Shang, P., Wang, J.: A novel power management for CMP systems in data-intensive environment. In: IEEE International Parallel & Distributed

Singapore. [https://doi.org/10.1007/978-981-33-4299-6\\_43](https://doi.org/10.1007/978-981-33-4299-6_43)

Download citation

[.RIS](#) ↓ [.ENW](#) ↓ [.BIB](#) ↓

DOI

[https://doi.org/10.1007/978-981-33-4299-6\\_43](https://doi.org/10.1007/978-981-33-4299-6_43)

Published

16 April 2021

Publisher Name

Springer, Singapore

Print ISBN

978-981-33-4298-9

Online ISBN

978-981-33-4299-6

eBook Packages

[Engineering](#)

[Engineering \(R0\)](#)





[www.fermented-foods.net](http://www.fermented-foods.net)

International Conference on

# Advances in Food Science and Technology (AFSTECH-2021)

A Part of CONIAPS-XXVII

October 26-28, 2021

# SOUVENIR

**Organized by**

**North-Eastern Hill University, Tura Campus, Meghalaya, India**

**in Association with**

**Swedish South Asian Network on Fermented Foods (SASNET-FF), Anand, Gujarat, India**

**International Academy of Physical Sciences, Prayagraj, India**

# AFSTECH-2021



**27<sup>TH</sup> INTERNATIONAL CONFERENCE**

**OF**

**INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES**

**(CONIAPS XXVII)**

On

**"ADVANCES IN FOOD SCIENCE AND TECHNOLOGY"**

**OCTOBER 26-28, 2021**

*Organized by*

**NORTH-EASTERN HILL UNIVERSITY, TURA CAMPUS, MEGHALAYA, INDIA**

**IN ASSOCIATION WITH**

**SWEDISH SOUTH ASIAN NETWORK ON FERMENTED FOODS, ANAND,**

**GUJARAT, INDIA**



- 03:00 pm – 03:10 pm Evolutionary engineering of *Kluyveromyces marxianus* to increase ethanol tolerance for economical ethanol production from whey.  
**Ms. Upma Verma, National Dairy Research Institute, Karnal, India**
- 03:10 pm - 03:20 pm Sensory and biofunctional analysis of traditional rice cakes from the Khasi and Jaintia hills of Meghalaya, India, using *Saccharomyces cerevisiae* and pearl millet.  
**Ms. Bethsheba Basaiawmoit, North-Eastern Hill University, India**
- 03:20 pm - 03:30 pm Development and biofunctional evaluation of Synbiotic Cottage cheese - A potential functional food  
**Ms. Pinta Solanki, Anand Agricultural University, Anand, India**

**POSTER SESSION**

- 03:30 pm - 03:35 pm
1. Monitoring of changes in composition of sunflower oil during deep-fat frying with elephant apple slices - **Ms. Bhuyashi Boruah, Central Institute of Technology, India**
  2. pH STAT titration method for determining protein digestibility *in vitro* in fish: A study in *Labeo rohita* and *Cyprinus carpio* - **Dr. Bronson Kumar Khangembam, Bodoland University, India**
  3. Analysis of prepotent fungi from rhizospheric soil of *Parthenium hysterophorus* L. - **Ms. Gulgul Tyagi, University Meerut, India**
  4. Studies on the nutritive value of weaver ants, *Oecophylla smaragdina* and its anti-tumour efficacy against murine ascites Dalton's lymphoma - **Mr. Jonata Savio A. Sangma, North-Eastern Hill University, India**
  5. Development of Brown Rice Kheer and Application of Hurdle Technology for Its Stability at Ambient Temperature - **Dr. Kirti Singla, Mehr Chand Mahajan DAV College for Women, Chandigarh, India**
  6. A Comparison between Ultrasound extraction and conventional Soxhlet extraction of oil from Sea buckthorn (*Hippophae* sp.) seed - **Ms. Nikita Sanwal, Indian Institute of Technology Delhi, India**

## **Development of Brown Rice Kheer and Application of Hurdle Technology for Its Stability at Ambient Temperature**

**Kirti Singla\*, Puneet Kaur and Surbhi Jain**

Dept. of Food Science, Mehr Chand Mahajan DAV College for Women, Chandigarh (U.T.)  
160036.

Corresponding author: [gkirti67@gmail.com](mailto:gkirti67@gmail.com)

Hurdle technology is an integrated approach of several preservation methods to make a product shelf-stable and safe. Ongoing trend of consuming ready-to-eat and minimally processed foods has emphasized on the need of exploring hurdle technology further. In the present study, the application of hurdle technology was evaluated to extend the shelf life of Brown Rice *Kheer* at ambient temperature. Brown rice in comparison to white rice (*Oryza Sativa*) contains high amount of dietary fiber, magnesium and other vitamins and is gaining popularity in people having sedentary lifestyle disorders such as diabetes, CVD, obesity. The study was initiated with optimization trials and it was observed that 2.5% brown rice, 5% sugar and 0.1% cardamom gave the best results. Then hurdles employed to Brown Rice *Kheer* were: (1) in-pack sterilization (115°C/10 min.), (2) addition of preservative (sodium benzoate @ 0.01%) and (3) addition of sugar (5%). During the shelf-life studies of Brown Rice *Kheer* sensory, physico-chemical and microbial analyses were done. From the results it was observed that Brown Rice *Kheer* preserved by hurdle technology was sensorially acceptable up to 7 days at ambient temperature. The acidity of Brown Rice *Kheer* up to 7 days was well within the limits and was 0.14%. The Brown Rice *Kheer* preserved without hurdle technology got spoiled on the 2nd day of storage and showed the signs of mold growth. Hence, the shelf-life of Brown Rice *Kheer* was extended up to 7 days at 30±1°C by employing hurdle technology.

**Keywords:** Hurdle technology, Brown rice, *kheer*, shelf-life.



**Two Day International E-Conference**

**“Applied Biosciences for Sustainable  
Development”**

**3-4 September, 2021**

**SOUVENIR**



**Organized by  
Department of Microbiology & Biochemistry**



**St. Pious X Degree & PG College for Women**

**(Reaccredited by NAAC with A+ Grade)**

**ISO 9001:2015 Certified Institution**

**Nacharam, Hyderabad**

## DEVELOPMENT OF SPINACH FORTIFIED PANEER

*Dr. Kirti Singla\* and Ridhima Anand*

*\*Faculty, Department of Food Science, Mehr Chand Mahajan DAV College for Women,  
Chandigarh.*

*E mail: [gkirti67@gmail.com](mailto:gkirti67@gmail.com)*

Iron deficiency is the most prevalent cause of Anaemia worldwide and may cause Cognitive Dysfunction during Infancy Brain Development and Menstrual Migraines in Women. According to ICMR, In India 59% of women and 30-40% of children below 5 years of age were found to be anaemic. Iron fortification remains the mainstay of efforts aimed toward the treatment or prevention of iron deficiency Anaemia. Majority of people in our country are vegetarian in their dietary habits and consume dairy products in large amount. Paneer is nutritious and highly consumed indigenous dairy product, which is prepared by heat and acid coagulation of milk. Hence, a study was conducted to develop an Iron Fortified Paneer by adding spinach powder. During optimisation trials, it was found that 1% spinach powder, 0.6% cumin seed powder, 1.4% salt and 0.5% black pepper powder gave the best results. The product so developed had desired body, texture and good overall acceptability. The average composition of optimised product was 48.4% moisture content, 35% fat content, 17% protein content, 2% lactose content, 3.3% ash content, 0.28mg iron content and 1.8% acidity. Comparative studies were performed between control and fortified Paneer and it was observed that iron content of Spinach Fortified Paneer was increased by 7%.

**Keywords:** *Iron Deficiency, Anaemia, Spinach Fortified Paneer.*



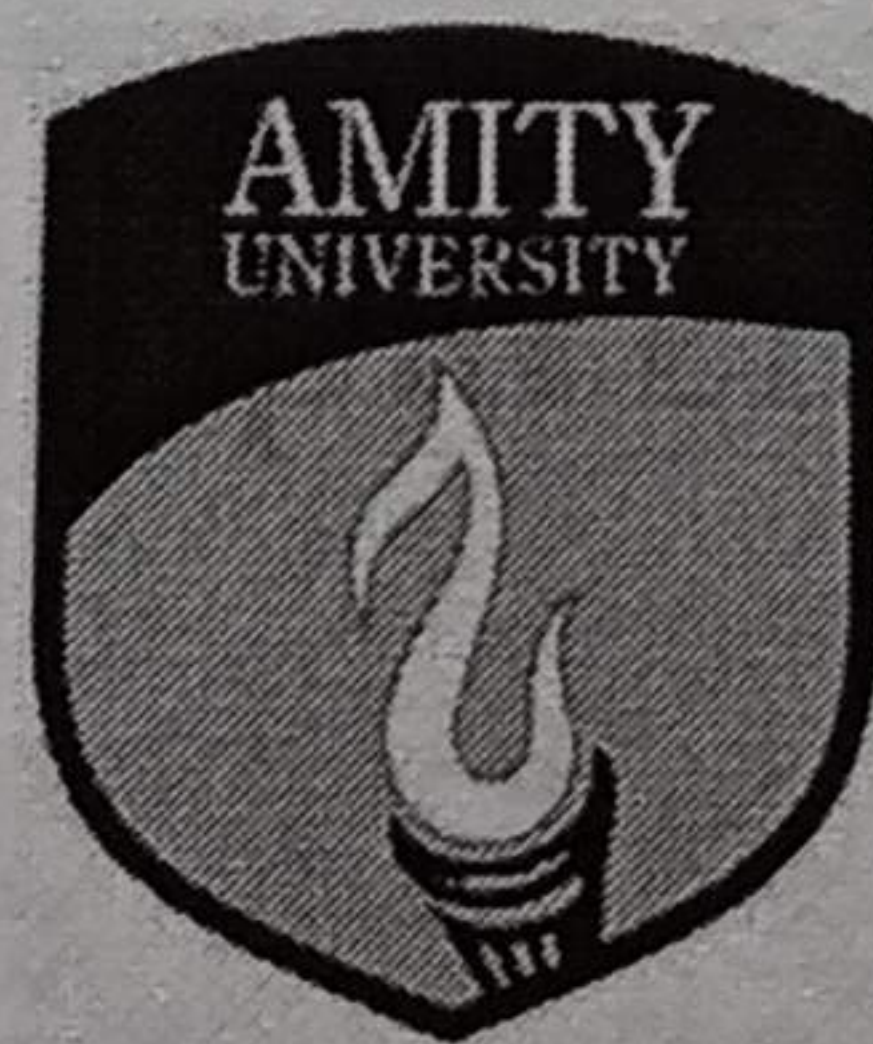
*Proceedings of online  
International Conference on  
Fashion Apparel and Textile*  
**INCFAT 21**

*theme*

**“Textiles for Fashion Apparel: Changing Paradigms”**

*16<sup>th</sup> & 17<sup>th</sup> November 2021*  
**Amity University, Uttar Pradesh**

*Organized by*



**AMITY SCHOOL OF FASHION TECHNOLOGY**

**Amity Directorate of Applied Arts/Fine Arts/Performing Arts/ Visual Arts**

**Amity University, Uttar Pradesh**

**Noida-201313 (U.P.) India**



### Technical Session III Advancements in Apparel Manufacturing

14. **Visual Techniques as a Tool for Advancement in Apparel Factory Management** ..... 69  
*Dr. Ishwar Kumar*
15. **A Study on Preferences amongst Women and Trans Women in Relation to Brand Choices** ..... 75  
*Neha Singh, Dr. Pintu Mishra, Dr. Rena Mehta, Dr. Divya Sharma*
16. **Integration of Masks with the Garment as an Essential Accessory** ..... 79  
*Mohan Kumar, Dr. Vandana Bhandari*
17. **Impact of Pandemic on E-commerce Fashion Industry** ..... 84  
*Shivani Chandra*
18. **Occupational Health Hazards in Small Scale Garment Manufacturing Units** ..... 87  
*Anima Mishra, Dr. Chanchal, Dr. Bhupinder Kaur*
19. **Skill Development - A Paradigm for Multidimensional Growth of Textile & Fashion Industry** ..... 94  
*Yamini Jhanji*

### Technical Session IV Innovations in Textile & Apparel

20. **Evolution of Waterproof and Water Resistant Fabrics for Garments** ..... 101  
*Abhishek Kumar, Dr. Manpreet Manshahia*
21. **Cosmetotextiles: A Futuristic Technical Textile** ..... 104  
*Dr. Anima Jamwal*
22. **Green Technology in Textile Industry** ..... 108  
*Sharina Mahajan, Krishna*
23. **Need to Develop Reuseable Cotton Fabric Diapers: A Sustainable Approach** ..... 111  
*Dr. Charu Kohli, Dr. Rita Kant*
24. **Offering Ornamental Textiles as a Devotional Practice** ..... 116  
*Rati Arora, Dr. Anu H. Gupta*
25. **Engineering Ideal Stretch Compression Apparel** ..... 121  
*Dr. Surinder Tandon*
26. **Weaving the Recycled Fabric (Cigarette Butts) with Traditional Art (Hase Chittara) to Create Contemporary Dress** ..... 125  
*Tejashvi V., Hemalatha Ishwar Doddamani*
27. **A Short Note of Importance of Grain in Fabric and Sewing Pattern** ..... 128  
*Rashika*
28. **Resource-Use of Oak Tasar Silk Waste Via Blending with Viscose Fibre to Evolve Resultant Yarns and Knitted Fabrics** ..... 132  
*Dr. Pooja, Dr. Sandeep Bains*



# Offering Ornamental Textiles as a Devotional Practice

Rati Arora<sup>1</sup>, Dr. Anu H. Gupta<sup>2</sup>

Assistant Professor, Mehr Chand Mahajan DAV College for Women, Sector 36, Chandigarh  
Chairperson, UIFT & VD, Panjab University, Chandigarh

<sup>1</sup>ratibrar1982@gmail.com

## ABSTRACT

India is known across the world for the rich legacy of textiles and their decoration. Every region of India is known for a specific style of textile decoration, such as Phulkari from Punjab, Kantha from Bengal and Kashida from Kashmir etc. Along with apparel many types of decorations may be observed on the religious textiles offered in various Holy places. It has been a tradition of covering the religious books in a cloth that is often ornamented. Wrapping religious books or even people to their deities in order to show their respect and devotion, for example red coloured embellished Chunri to Hindu Goddesses, green or blue chaddar to Dargah or Peer, Rumala Sahib offered in Gurdwaras and altars cloths in Churches. The present study is undertaken to investigate types of textiles offered as a devotional practice. It further explores various surface ornamentation techniques, motifs and designs used on religious textiles and their symbolic importance.

**Keywords:** Ornamentation, devotion, textiles

Embroidery is the art or a craft of ornamenting fabric or other materials with needle and thread or yarn. Different types of materials like feathers, horns, tassels, beads, coins, buttons, shells, metal and mirrors are used to ornament the fabrics. Besides decorating the fabric, embroidery plays a symbolic role also for example, embroideries are hung outside the houses of a marriageable girl in Romania, embroidery done by a Turkey girl announces her talent as a prospective daughter in law and at the time of birth of a child, forty days are marked with protective embroidery for mother and baby (Paine and Paine, 2010). Elaborately ornamented clothing, religious objects, and household items have been a mark of wealth and status in many cultures including ancient Persia, India, China, Japan, Byzantium, and medieval and Baroque Europe. Embroidery and most other ornamentation techniques by needlework are believed to originate in the Orient and Middle East. India has been very famous around the world for its rich heritage of textiles and their ornamentation. Gold and silver embroidery is practiced in many parts of India but Delhi, Agra, Lucknow, Ajmer, Bhopal, Madras and Hyderabad are the main centres. Bhopal is famous for making purses or small bags, Surat for *karchobi Work*, Delhi for *chappals* and shoes and Lucknow for both *Zardozi* and *Kamdani* work. Metal work is used on saris, cholis and many other articles these days. Punjab has not been an exception and its hard-working & creative women have been practicing this art since long. In fact, embroidery has been an

essential qualification of a well brought up Panjabi girl. The great Guru Nanak sayeth in the Holy Granth Sahib:

*Kadh Kasida Pehreh Choli, Ta Tum Janoh Nari*

Phulkari embroidery has brought up the glory and worldwide appreciation to the embroidery of Punjab (Hitkari, 1980). The finest work known as white embroidery or chikan flourished in Lucknow and still is considered as an important product. Decorated quilted covers- *kantha* of Bengal were also famous all over the world. Chamba, a little town of Himachal Pradesh is best known for its embroidered thin muslin *rumal* known as Chamba *Raumal*. This was always used as wrapping whenever gifts were exchanged between the families of a bride and groom and offerings were made to temple Gods. Weavers from Assam were well known for the beautiful and intricate patterns of the woven cloth. Mahatma Gandhi once commented 'Assamese women are born weavers; they can weave fairy-tales in their cloth.' An Assamese girl was not considered marriageable until she had proved herself as a proficient weaver (Gillow. and Barnard., 2008).

## 1. ORNAMENTAL TEXTILES AS WORSHIP CLOTH OR COVERING

The oldest religion of the world is reported as Hinduism tracing back over 5000 years ago and *Rig-Veda*- produced during the Vedic period is considered as the oldest surviving text of Hinduism. According to Swami