

# Report of Zoology Department (2020-21)



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

[www.mcmdavcw-chd.edu](http://www.mcmdavcw-chd.edu)  
0172- 2603355, 0172- 2624921

**Department name:** Zoology

**Session:** 2020-21

**Names of Programmes/Courses offered:**

B.Sc. (Medical) - Three years Degree Course (Semester system)

**FACULTY DETAILS:**

**1. Publications:**

Permanent Faculty/ Contractual faculty	Title of Paper	Title of the Journal with ISSN	Month/Year	Peer Reviewed/Refereed	UGC/CARE Enlisted (Yes/No)	URL
Dr. Sarabjeet Kaur	Monocrotophos toxicity induced hormonal and biochemical disruption in liver and ovary of <i>Cyprinus carpio communis</i>	European Journal of Molecular and Clinical Medicine, 7(9): 3015-3022 Online ISSN: 2515-8260	December, 2020	Peer Reviewed & Refereed	Yes	<a href="https://ejmcm.com/article_7696.html">https://ejmcm.com/article_7696.html</a>
Dr. Sarabjeet Kaur	A novel two-stage invertebrate biofilter design to treat wastewater	Indian Journal of Environmental Protection, 41(6): 681-685 ISSN: 0253-7141	June, 2021	Peer Reviewed & Refereed	Yes	<a href="https://www.e-ijep.co.in/41-6-681-685/">https://www.e-ijep.co.in/41-6-681-685/</a>
Dr. Divya Sharma (Contractual)	Acarological Studies on Mites Associated with Mushrooms from Himachal Pradesh	International Journal of Research and Analytical Reviews E-ISSN: 2348-1269 Print ISSN: 2349-5138	November, 2020	Peer Reviewed & Refereed	No	<a href="http://www.ijrar.org/Authorhome/ahome.php">http://www.ijrar.org/Authorhome/ahome.php</a>

**2. Invited talks**

- Dr. Neetu delivered a talk on 'Pre-incubation and Incubation Management' as an Innovation Ambassador during an Online Lecture series organized by Institution's Innovation Council under the aegis of MoE Innovation Cell on 22 & 24 July 2020 and on 28 June 2021.
- Dr. Neetu was invited as a Resource person by Swami Premanand Mahavidyalaya, Mukerian to deliver an expert talk on 'Pre-incubation & Incubation Management' during a National Webinar on "Scientific Achievements, Current Challenges, Problems and Scientific & Technical Terminology" organized in association with Commission for Scientific and Technical Terminology, Ministry of Education, Govt. of India on 29 August 2020.
- Dr. Sarabjeet Kaur was invited as a Resource person by Arya College, Ludhiana for an Online Lecture on 'Pearl Culture' on 21 December, 2020

### **3. Orientation Programmes/Refresher Courses/FDPs etc. attended**

- Dr. Neetu participated in an Online-Refresher Course in Teaching Education: Policies, Procedures and Perceptions held by UGC-Human Resource Development Centre, Panjab University, Chandigarh from 20.02.2021 to 05.03.2021.
  
- Dr. Neetu completed FDP on “Academic Writing” from Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, PMMMNMTT from 18.02.2021 to 24.02.2021.
  
- Dr. Sarabjeet participated in an Online-Refresher Course in Teaching Education: Policies, Procedures and Perceptions held by UGC-Human Resource Development Centre, Panjab University, Chandigarh from 20.02.2021 to 05.03.2021.

### **4. Members in Editorial Boards/University Bodies:**

#### **Dr. Neetu**

- Nominated as Subject expert on the Board of Studies in Zoology, Khalsa College, Amritsar for a period of three years (2019-2022).
  
- Nominated as Member of Board of Studies in Postgraduate Diploma in Health, Family Welfare and Population, Panjab University, Chandigarh for a period of two years (2019-2021).

#### **Dr. Sarabjeet Kaur**

- Nominated as Member of Board of Studies in Nursing, Govt. Medical College & Hospital, Sector-32, Chandigarh from April, 2019- March, 2021.

## STUDENTS' DETAILS

### 1. Achievements:

Name of the Student	Class	Roll no.	Name of the event	Organizing Agency/Committee/Department	Name of the Award/ Position	Month/ Year
Shreiya Sharma	B.Sc. III Medical	653	Online PPT Making competition	NSS unit and Environment Society, Govt. College of Commerce and Business Administration, Chandigarh	First Prize	23.07.2020
Aarya Sharma	B.Sc. II Medical	1134	Inter-college competition on Terrarium making	Department of Environment Science, Mehr Chand Mahajan DAV College for Women, Chandigarh	First Prize	30.07.2020
Nishita Singh	B.Sc. II Medical	1185	Inter-college competition- 'Spread a Smile'	Character Building Committee of Mehr Chand Mahajan DAV College for Women, Chandigarh	First Prize	12.01.2021
Annanya Mahajan	B.Sc. II Medical	1198	Essay Writing competition	Creative Writing Club of Mehr Chand Mahajan DAV College for Women, Chandigarh	First Prize	22.01.2021
Annanya Mahajan	B.Sc. II Medical	1198	Inter-college Photography Competition on the theme '2020- A boon or bane?'	Government College of Commerce and Business Administration, Chandigarh	Third Prize	25.01.2021
Annanya Mahajan	B.Sc. II Medical	1198	Online Poetry Composition to celebrate International Women's Day	Character Building Committee of Mehr Chand Mahajan DAV College for Women, Chandigarh	Third Prize	01.03.2021-05.03.2021
Parima Jaswal	B.Sc. III Medical	647	National Level E-poster making competition	Mehr Chand Mahajan DAV College for Women, Chandigarh	First- Cash prize of Rs. 2000/-	12.04.2021
Muskan Narula	B.Sc. I Medical	179	Intra-college Poem Writing competition on Mother's Day	Character Building Committee and Department of Sanskrit of Mehr Chand Mahajan DAV College for Women, Chandigarh	First Prize	01.05.2021-05.05.2021
Annanya Mahajan	B.Sc. II Medical	1198	Intra-college Poem Writing competition on Mother's Day	Character Building Committee and Department of Sanskrit of Mehr Chand Mahajan DAV College for Women, Chandigarh	Second Prize	01.05.2021-05.05.2021
Annanya Mahajan	B.Sc. II Medical	1198	Caption contest and Poetry Competition on Mother's Day	Rotaract Club of Mehr Chand Mahajan DAV College for Women, Chandigarh	Second Prize	08.05.2021

Competitive examinations qualified:

- Jagriti Mishra (Roll No. 657) of B.Sc. III (Medical) qualified TIFR/JGEEBILS- 2021, IIT JAM- 2021, IBAB (Institute of Bioinformatics and Applied Biotechnology), Bangalore Entrance exam-2021, BBAU (Babasaheb Bhimrao Ambedkar University), Lucknow Entrance exam, MSRUAS (M.S. Ramaiah University of Applied Sciences), Bangalore Entrance exam
- Dipanshi Prashar (Roll No. 656) of B.Sc. III (Medical) qualified IIT-JAM- 2021
- Rashi Jain (Roll No. 605) of B.Sc. III (Medical) qualified TIFR/JGEEBILS, 2021, IBAB (Institute of Bioinformatics and Applied Biotechnology), Bangalore Entrance exam-2021
- Arshpreet Kaur (Roll No. 601) of B.Sc. III (Medical) qualified IELTS
- Arushi Riar (Roll No. 614) of B.Sc. III (Medical) qualified IELTS
- Monika (Roll No. 643) of B.Sc. III (Medical) qualified CAT
- Navneet Kaur (Roll No. 700) of B.Sc. III (Medical) qualified IELTS

## 2. List of Toppers of B.Sc. Medical (Semester-I) Panjab University Examination-December, 2020

Name of the student	Panjab University Roll No.	Rank in Panjab University
Arkita Dwivedi	20058361	4 <sup>th</sup>
Kareena Pahuja	20058436	7 <sup>th</sup>
Aayushi Rana	20058336	9 <sup>th</sup>
Bharti Sharma	20058373	9 <sup>th</sup>
Gurpriya Kaur	20058398	9 <sup>th</sup>
Bhavika Mehta	20058375	10 <sup>th</sup>

## ACTIVITIES ORGANIZED BY THE DEPARTMENT

Title of the Activity	Date	Objective	No. of participants	Name/Designation/ Organization of Resource Person/s
National Level Online Quiz on the theme 'Ozone depletion and Climate change' to celebrate International Day for the Preservation of the Ozone Layer	16.09.2020	To spread awareness among students about the depletion of Ozone Layer and to find possible solutions to preserve it	561	-

National Level Online Article writing competition to mark the celebration of Wildlife week on the theme 'Imagine yourself to be a Wild animal in captivity and express your feelings'	02.10.2020 - 08.10.2020	To spread awareness about the protection of Wildlife.	61	-
Online Short Story telling activity on the theme 'Valuable lessons learned from failures' under the aegis of Character Building Committee	28.11.2020	To boost the self-confidence of students	45	-
Virtual workshop on 'Understanding the Mystery of bird migration'	04.02.2021	To raise awareness about the ecological importance of migratory birds and to understand the threats faced by migratory birds.	68	Sh. M.S. Sekhon, Head, Department of Geography, DAV College, Chandigarh & President, Chandigarh Bird Club
Virtual workshop on 'Entrepreneurship development in Beekeeping'	06.02.2021	To channelize the energy of young students by motivating them to work on new ideas creating start-ups and entrepreneurial ventures resulting in self-employment.	143	Prof. Vinod K Mattu Emeritus Fellow (UGC) Department of Biosciences, Himachal Pradesh University, Simla

National Level E-Poster making contest on the theme 'Showcasing the achievements of Indian Scientists' to celebrate Azadi Ka Amrit Mahotsav	18.03.2021	To showcase the accomplishments of great Indian scientists	112	-
Virtual Workshop on 'House Sparrows' & installation of bird nest boxes in the college campus	20.03.2021	To sensitize students and faculty about the need to preserve vanishing sparrow species and to understand suitable methods to install nest boxes for the preservation of sparrows	45	Ms. Rima Dhillon, General Secretary, Chandigarh Bird Club; Member, Punjab Wild Life Board; Executive Member, Avian Habitat & Wetland Society, Chandigarh. Ms. Sarbjeet Kaur, Senior member. Ms. Saroj Gulati & Mr. Amandeep Singh Channa, Members of Executive committee of the Chandigarh Bird Club
Online True Story telling activity on the theme 'Compassionate action for Street animals' in collaboration with MCM Eco-club under the aegis of Character building committee of the College	10.04.2021	To motivate the participants to lead by example by taking care of food, medicines and vaccination of street animals	50	-

## MCM holds online national quiz on Ozone Layer

MCM holds online national quiz to mark International Day for the Preservation of the Ozone Layer. Celebrating International Day for the Preservation of the Ozone Layer with fervour, the Department of Zoology at Mehr Chand Mahajan DAV College for Women organised an online National level Quiz Competition. Organised on the theme 'Ozone Depletion and Climate Change', the quiz witnessed enthusiastic participation of over 560 students from different states and UTs of the country including Punjab, Haryana, Himachal Pradesh, Delhi, Noida, Rajasthan, Madhya Pradesh, Karnataka, Assam and Chandigarh. With the aim of raising awareness among students about the importance of the ozone layer and the need to preserve it, the quiz consisted of MCQs, objective questions and image based questions to test the knowledge of participants pertaining to the ozone layer. The winners were awarded cash prizes and e-certificates were given to those who secured 75% and above. Principal Dr. Nisha Bhargava informed that through this quiz, the college endeavours to spread awareness about the problem of depletion of the ozone layer and to motivate students to be a part of the solution and also to educate others about it. She further added that human activity has damaged the Earth's protective layer and much needs to be done to preserve it.



## MCM marks Wildlife Week with National Article Writing Competition

The Department of Zoology organised an online National level Article Writing Competition to mark the celebration of Wildlife Week. The competition required the participants to imagine themselves to be a wild animal in captivity and express their feelings through the article. A total of 61 participants submitted their thought-provoking entries wherein they brought out the poignant condition of the captive animals through vivid description of how they might be feeling in captivity. Principal Dr. Nisha Bhargava expressed appreciation for this unique endeavour of the Zoology Department that sought to prompt students to rethink human-animal relationship as equally important components of the ecosystem. She added that efforts like these are of immense value in raising awareness about the importance of conservation of biodiversity.



## एमसीएम में शार्ट स्टोरी टेलिंग गतिविधि का आयोजन

चंडीगढ़ (हिमप्रभा ब्यूरो)। मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन की चरित्र निर्माण समिति ने असफलताओं से सीखे गए सबक विषय पर एक ऑनलाइन शॉर्ट स्टोरी टेलिंग गतिविधि का आयोजन किया। आयोजन में 45 से अधिक छात्राओं ने उत्साहपूर्वक भाग लिया और अपने अनुभव साझा किए।

इस गतिविधि के आयोजन का उद्देश्य प्रतिभागियों को पिछली असफलताओं से सीख लेने और संभावित भविष्य की असफलताओं से निपटने के लिए उपयुक्त ज्ञान देने का एक सार्थक मंच प्रदान करना था। इस ऑनलाइन गतिविधि के दौरान अपने स्वयं के पिछले असफलताओं से सीखे हुए पाठों को साझा करके आशा और सकारात्मकता की भावना प्रदान करते हुए, प्रतिभागियों ने एक



दूसरे को प्रेरित किया कि वे हार न मानें या असफलताओं से अपने जीवन में नकारात्मकता ना लाएं बल्कि उनसे सबक लेकर भविष्य की चुनौतियों के लिए स्वयं को तैयार करें। प्रतिभागियों ने एक-दूसरे की कहानियों से मूल्यवान सबक सीखा।

कॉलेज की प्रिंसिपल डॉ. निशा भार्गव ने कहा कि हम सभी अपने जीवन के किसी न किसी मोड़ पर असफलताओं का सामना करते हैं और अपनी असफलताओं या

निराशाओं को दूसरों के साथ साझा करने से न केवल आत्मविश्वास बढ़ता है बल्कि सकारात्मक दृष्टिकोण के साथ आगे बढ़ने का साहस भी मिलता है।

उन्होंने कहा कि चरित्र निर्माण समिति ने इस प्रशंसनीय पहल के माध्यम से प्रतिभागियों में जीवन मूल्यों के प्रति सजग करके उन्हें सकारात्मकता का गुण प्रदान करने के अपने लक्ष्य की दिशा में एक और सराहनीय कार्य किया है।

## MCM holds workshop on entrepreneurship in beekeeping

In an endeavour to promote entrepreneurial aptitude among students and apprise them of the entrepreneurial opportunities in beekeeping, the Zoology Department of Mehr Chand Mahajan DAV College for Women, under the aegis of college's Institution Innovation Council (IIC), organised a virtual workshop titled 'Entrepreneurship Development in

Beekeeping'. This educative workshop was conducted by Prof. Vinod K Mattu, Emeritus Fellow (UGC), Group Leader: Sociobiology and Behavioural Ecology and Dr.

Neelam Mattu, Department of Biosciences, Himachal Pradesh University, a Researcher of Himalayan Honeybees and Recipient of Senior Scientist Award. The resource persons emphasized upon the importance of honey bees as pollinators and discussed about the value added products obtained from beekeeping. This interactive workshop was well attended by students who felt motivated to channelize their energy towards generation of new ideas and creating start-ups and entrepreneurial ventures resulting.







एमसीएम डीएवी कॉलेज फॉर वूमन सेक्टर-36 में गौरैया दिवस पर कॉलेज स्टाफ ने कृत्रिम घोंसले लगाए • खत

## एमसीएम में मनाया विश्व गौरैया दिवस

**जासं, चंडीगढ़ :** एमसीएम डीएवी कॉलेज फॉर वूमन सेक्टर-36 के डिपार्टमेंट ऑफ जूलॉजी एवं ईको क्लब ने चंडीगढ़ बर्ड क्लब (सीबीसी) के सहयोग से विश्व गौरैया दिवस का आयोजन किया। इसमें गौरैया पर एक ऑनलाइन कार्यशाला आयोजित की गई तथा कॉलेज परिसर में पक्षी के घोंसले के बाक्स भी स्थापित किए गए। कार्यशाला का उद्देश्य लुप्त हो रही गौरैया प्रजाति की चिड़िया को

संरक्षित करने के लिए जागरूक करने के साथ साथ उन्हें कृत्रिम घोंसले के बाक्स को स्थापित करने के लिए प्रेरित करना रहा।

ऑनलाइन कार्यशाला में चंडीगढ़ बर्ड क्लब की महासचिव, पंजाब वाइल्ड लाइफ बोर्ड की सदस्य तथा एवियन हेल्थटेक और वेटलैंड सोसाइटी, चंडीगढ़ की कार्यकारी सदस्य रीमा टिल्लो, चंडीगढ़ बर्ड क्लब की वरिष्ठ सदस्य सरबजीत कौर तथा चंडीगढ़ बर्ड क्लब की

कार्यकारी समिति के सदस्य सरोज गुलाटी तथा अमनदीप सिंह विशेष तौर पर मौजूद रही।

कार्यशाला के दौरान विशेषज्ञों ने इस बात पर प्रकाश डाला कि गौरैया प्रजाति की चिड़िया का धीरे-धीरे विलुप्त होना पर्यावरण के निरंतर गिरते स्तर का सूचक है और यह एक चेतावनी की घंटी भी है जो हमें हमारे स्वास्थ्य और भलाई पर संभावित हानिकारक प्रभावों के बारे में संतुष्ट करती है।



**π**  
The great Indian mathematician Aryabhata calculated the value of pi at 3.1416

Aryabhata (476-550)

Acharya Sushruta invented plastic surgery in 2000 BCE

India added 'Zero' to Maths

**AACHARYA KANADA**  
Kanada is considered as the father of the concept of Atomic theory.

**AACHARYA CHARAK**  
Acharya Charak is known to be Ayurvedic scientist and a skin specialist.

**BHASKARACHARYA**  
Earth's gravitational pull was discovered by Bhaskaracharya many centuries ago.

**FATHER OF THE GOD PARTICLE**  
DR. SATYENDRA NATH BOSE  
(11 January 1894 - 23 February 1974)

**Mars Orbiter Mission**

**Raman effect**

**Satyendra Nath Bose**  
The Creator of Quantum Statistics  
The Father of the concept boson or 'God Particle'

**" Whether it was ancient India or The Modern India, INDIA has contributed a lot in the field of Science "**

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**Celebrating the achievements of Indian Scientists**

Name : Navya Chhatwani  
Room : 3 C  
MCW DAV College.

## VIRTUAL WORKSHOP ON BIRD MIGRATION (2021-02-04 at 02:02 GMT-8)



Mehr Chand Mahajan DAV College for Women, Sector 36 A, Chandigarh

### VIRTUAL WORKSHOP ON MYSTERY OF BIRD MIGRATION

organised by the Department Of Zoology under the aegis of Rashtriya Uchchatar Shiksha Abhiyan (RUSA).

on 04.02.2021 at 3:30 pm

Resource person:

**SH. M. S. SEKHON**

HEAD, DEPARTMENT OF GEOGRAPHY, DAV COLLEGE, CHANDIGARH,  
PRESIDENT, CHANDIGARH BIRD CLUB  
AND AN AVID BIRDER



Ms. Kadambari Pathania

Activate Windows