

## Dr. Qudrat Hundal



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h- Index = 1  
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### Areas of Interest

- Organic Synthesis
- Retrosynthetic Analysis
- $\beta$ -Lactams

### Educational details

Degree	Year	University	Percentage	Medals/ Positions
Ph.D.	2014	Panjab University, Chandigarh	-	Awarded
M.Sc. (Chemistry)	2008	Panjab University, Chandigarh	81.6%	<ul style="list-style-type: none"><li>• Prof. R.C. Paul Gold Medal</li><li>• University Medal</li><li>• Krishan Kishore Memorial Prize</li><li>• Prof. D.V.S. Jain merit scholarship</li></ul>
B.Sc. (Non-Medical)	2006	Delhi University, Delhi	86.7 %	The Sumitomo-St. Stephen's College Scholarship for academic excellence for all three years
10+2 (Non-Medical)	2003	CBSE	91.2 %	Passed
Matric	2001	CBSE	86 %	Certificate of merit issued by CBSE for being among the top 0.1 % of successful candidates of All India Secondary School Examination 2001 in Hindi course A

### Professional Details

Designation	From	To	Organization
Assistant Professor (Chemistry)	26.07.2013	28.02.2014	D.A.V. College, Sector 10, Chandigarh
Assistant Professor (Chemistry)	21.07.2014	28.02.2015	D.A.V. College, Sector 10, Chandigarh
Assistant Professor (Chemistry)	06.07.2015 onwards		MCM DAV College for Women, Sector 36, Chandigarh

### Awards & Recognitions

Award	Institute	Year
The Mukharji Memorial Prize for regular work	St. Stephens College,	2005-2006

and qualities of perseverance, industry, and plain living	Delhi	
Best Student Award In B.Sc.	St. Stephens College, Delhi	2005-2006
Certificate of merit awarded by Panjab University Alumni association for ranking 1 <sup>st</sup> in M.Sc. (H.S.) II-Chemistry Examination	Panjab University, Chandigarh	2007-2008
Presented the role of honour by Guru Harkrishan Educational Society for ranking 1 <sup>st</sup> in M.Sc. (H.S.) Chemistry Examination	Guru Harkrishan Educational Society	2008

#### Research Publications

Title	Journal	Refereed	Date and Year of Publication	Online Link
Facile Synthesis of Novel C-3 Monosubstituted 3-phenylthio- $\beta$ -lactams	Research Journal of Chemical Sciences	YES	2013/18/7	<a href="http://www.isca.in/rjcs/Archives/v3/i7/7.ISCA-RJCS-2013-092.pdf">http://www.isca.in/rjcs/Archives/v3/i7/7.ISCA-RJCS-2013-092.pdf</a>
Facile synthesis of novel $\alpha$ -methylene-pyrazole-carboxylate substituted imines and <i>trans</i> - $\beta$ -lactams: Versatile synthons for diverse heterocyclic molecules	Synthetic Communications	YES	2018/26/3	<a href="https://www.tandfonline.com/doi/full/10.1080/00397911.2018.1439174">https://www.tandfonline.com/doi/full/10.1080/00397911.2018.1439174</a>
Electronic Waste Awareness : A survey in Chandigarh Tricity, India	New Horizon, A Multidisciplinary Research Journal		August, 2020	<a href="http://newhorizonsjournal.com/pdf/nh/NewHorizons2020.pdf">http://newhorizonsjournal.com/pdf/nh/NewHorizons2020.pdf</a>

#### Books Published

Title	Publisher	ISBN	Year of Publication

#### Research Projects

Title	Funding Organization	Year	Status
-	-	-	-
-	-	-	-

#### Miscellaneous

##### Activities, Webinars, Training and Workshops:

- Participated in UGC sponsored National seminar on "Spectroscopy and an immense tool in Chemistry" organized by P.G. Department of Chemistry, MCM DAV College for women, Chandigarh, on 21<sup>st</sup> August, 2015.
- Attended a seven day RUSA sponsored Faculty Development Programme on "ICT- New Dimensions in Research and Higher Education" held at MCM DAV College for women, Chandigarh from 26 November, 2016 -02 December, 2016.
- Participated in One Day Workshop on Instrumentation Techniques in Chemistry (HPLC, GC, FTIR, UV-VISIBLE SPECTROPHOTOMETER) organized by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta S. D.

College, Sector 32-C, Chandigarh on 15 March, 2017.

- Attended and presented a poster at International Conference on Green Chemistry/Engineering and Technologies for Sustainable Development (GCET-2017) jointly organised by Department of Chemistry, Panjab University, Chandigarh (India) and Florida Polytechnic University, Lakeland (USA) Under the aegis of University Grants Commission Indo-US 21<sup>st</sup> Century Knowledge Initiative from 20 April,2017 to 22 April,2017.
- Participated in DBT Sponsored Workshop on Electrochemistry by Dr. Sagar Mitra, IIT Mumbai on 13 October, 2017 organized by Post Graduate Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh.
- Attended Science Academies' Lecture Workshop on 'Chemistry and its Multidisciplinary Facets' organized by Post Graduate Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh in Association with Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad on 24 October,2017 to 25 October, 2017.
- Attended 118<sup>th</sup> orientation course organized by the UGC- HRDC Panjab University Chandigarh from 1 May,2018 to 28 May 2018.
- Participated in National Seminar on 'Celebrating 220 years of Mirza Ghalib' organized by Mehr Chand Mahajan DAV College for Women, Chandigarh on 17 January,2018.
- Participated in Two day International conference on "Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness" organized by Mehr Chand Mahajan DAV College for Women, Chandigarh under the aegis of DAV College Managing Committee, Chitra Gupta Road, New Delhi from 29 January,2018 to 30 January,2018.
- Attended a Workshop for faculty, titled Innovative Pedagogical Techniques for effective Class-room teaching organized by IQAC, Mehr Chand Mahajan DAV College for Women, Chandigarh Under the aegis of DAV College Managing Committee, New Delhi on 28 May,2019.
- Participated in a Workshop on Curriculum Development for Educators, a skill Enhancement initiative Conducted under the aegis of Skill Development Committee, Mehr Chand Mahajan DAV College for Women, Chandigarh held on 30 May,2019.
- Attended ARPIT Course (SWAYAM)for Career Advancement Scheme (CAS) promotion 'Online Refresher Course in Chemistry for Higher Education' with a "A" grade in the proctored examination held on 16 February 2020. (4 months September 2019-December 2019)
- Attended National Workshop (Faculty Development Programme) (Through Online Mode) on "Managing Virtual Classrooms and Open Educational Resources" organised by Centre for Academic Leadership and Education Management (CALEM), Panjab University, Chandigarh under the aegis of PMMMNMTT, MHRD, Govt. of India in collaboration with SWAYAM Cell, Institute of Educational Technology and Vocational Education & University Business School, Panjab University, Chandigarh (6 Days 24 June,2020 to 29 June,2020).

- Member of Organising team of DBT-CTEP Biotechnology Popularization Programme (Venturing into hues of Biotechnology: Innovations to Applications) organised by Mehr Chand Mahajan DAV College for Women, Chandigarh Under the aegis of Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India held on 18 September,2019.
- Member of Organising team of RUSA Sponsored Workshop to celebrate 150<sup>th</sup> Year of Periodic Table organized by P.G. Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Chandigarh on 2 November,2019.
- Participated in Workshop on Data Analytics, a Skill Enhancement initiative conducted under the aegis of Skill Development Committee, Mehr Chand Mahajan DAV College for Women, Chandigarh from 4 November, 2019 to 10 November,2019.
- Participated in National Symposium Zabaan-o-Adab (Celebrating the Confluence of Languages) organised by Mehr Chand Mahajan DAV College for Women, Chandigarh in collaboration with Haryana Urdu Akademi & Punjab Arts Council held on 19 October,2019.
- Participated in One Day Workshop on Gas Chromatography organised by the Central Instrumentation Laboratory, DAV College, Sector-10, Chandigarh on 6 November,2019.
- Attended 5-Day Faculty Development Program ‘e-Content: Designing and Deployment using G-Suite’ organised by Department of Computer Science and Applications, Mehr Chand Mahajan DAV College for Women, Chandigarh from 20 July,2020 to 24 July, 2020.
- Attended Online Refresher Course in Teacher Education: Policies, Procedures and Perceptions (Interdisciplinary) organized by UGC-HRDC, Panjab University, Chandigarh from 20 February,2021 to 5 March,2021.
- Participated in Webinar entitled “Molecular Visualisation Series on Learning Chemistry through ODYSSEY & Spartan Software” organised by the Department of Chemistry, Janta Vedic College, Baraut in collaboration with Wavefunction Inc., USA and Neotel System and Services on 9 May,2020.
- Attended Webinar on “Learn to Live with Corona” organised by Department of Physiotherapy, Sri Guru Granth Sahib World University, Fatehgarh Sahib on 19 May,2020.
- Attended Webinar on the theme “How to Revive Indian Economy Post Lockdown: Issues and Challenges” organised by Maharaja Agrasen School of Management, Maharaja Agrasen University on 20 May,2020.
- Attended Webinar on “Let’s Talk about Science: How, What and Why” organised by Maharaja Agrasen School of Basic and Applied Sciences, Maharaja Agrasen University on 8 June,2020.

- Attended Online International Webinar on “Applications of Multi-Modality Imaging in Nuclear Medicine” organised by Department of Physics, Mehr Chand Mahajan DAV College for Women, Chandigarh on 10 June,2020.
- Attended International Webinar on “Green Energy and Technology” (GET 2020) organised by the Department of Chemistry, Kings Engineering College, Irungattukottai, Chennai, India on 19 June,2020.
- Attended Webinar on “Wildlife Crime- Concerns, Trends and Challenges” organised by Institute of Forensic Science & Criminology, Panjab University, Chandigarh on 22 June,2020.
- Member of Organising team of Webinar on “The Third Alphabets of Life & Synthetic Vaccines” organised by P.G. Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Chandigarh on 31 July,2020.
- Attended Online Interactive Session on “Bioenergy from Food waste” organised by Department of Botany, Mehr Chand Mahajan DAV College for Women, Chandigarh Under the aegis of Swachhta Committee of Sciences on 6 February,2021.
- Attended RUSA Sponsored Online Workshop cum-Awareness Programme on Open Educational Resources organized by Mehr Chand Mahajan DAV College for Women, Chandigarh on 22 January,2021.
- Attended RUSA Sponsored Online Workshop-cum-Awareness Programme on The Art of Official Communication: How NOT to Communicate organized by Young Communicators Club, Mehr Chand Mahajan DAV College for Women, Chandigarh on 18 February,2021.
- Attended RUSA Sponsored Online Workshop on “Online Assessment Tools: A Step Forward....” organized by Mehr Chand Mahajan DAV College for Women, Chandigarh on 22 March,2021.
- Attended A Workshop cum Awareness Programme organized to celebrate Happiness at work organized by Character Building Committee, Mehr Chand Mahajan DAV College for Women, Chandigarh on 22 March,2021.
- Participated in an Expert Lecture on ‘NAAC-Revisiting the quality benchmarks : An Assessor’s Perspective’ organized under the aegis of Internal Quality Assurance Cell (IQAC),Mehr Chand Mahajan DAV College for Women, Chandigarh on 28 July,2021.
- Attended a webinar on Process of Writing & Publishing Quality Research Papers in Indexed Journals organized under the aegis of Internal Quality Assurance Cell (IQAC),Mehr Chand Mahajan DAV College for Women, Chandigarh on 30 July,2021.

- Participated in 2 Day Lectures-cum-Workshop on “Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR,NMR)” organised by P.G. Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Chandigarh under the aegis of Skill Development Committee on 18 May,2022 and 19 May,2022.
- Member, Organising Team, Chandigarh Pollution Control Committee (CPCC) sponsored Inter College Competitions organized by Department of Environment Science, Mehr Chand Mahajan DAV College for Women, Chandigarh to mark the celebration of World Atmosphere Day on 09 April,2022.
- Participated and Invited to judge Extempore Speech competition on 25 February,2022 (Under the theme Swadeshi-Paramparik Vigyan & Praudyogiki: Inventions & Innovations at DAV College, Sector 10, Chandigarh) during the Vigyan Sarvatra Pujyate , National Science week Festival (22 February,2022 to 28 February,2022) Jointly organised by Panjab University, Chandigarh and Punjab State Council for Science &Technology, Chandigarh (PSCST).