



Miranda House

UNIVERSITY OF DELHI

Name: Bhawna Bansal Gupta

Department: Mathematics

Current Designation: Assistant Professor

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Academic Qualifications:

- M.Phil.: Mathematics
Department of Mathematics, University of Delhi, Delhi. 2009
- Master of Science(M.Sc.): Mathematics
Miranda House, University of Delhi, Delhi. 2007
- Bachelor of Education (B.Ed.)
Guru Gobind Singh Indraprastha University, Delhi. 2005
- Bachelor of Science (B.Sc.): Mathematics
Miranda House, University of Delhi, Delhi. 2004

Field of Specialization under the Subject/Discipline: Operator Theory

Total Teaching Experience: 13 years

Teaching at Miranda House since: January 2009

List of Publications:

- Datt, G., Gupta, B.B. Analogue of slant Hankel operators on the Lebesgue space of n -torus. *Adv. Oper. Theory* **6**, 66 (2021). <https://doi.org/10.1007/s43036-021-00162-1>
- Book chapter titled "Vector Analysis: A Journey from Early Days to Use of Modern Day Technology and Recent Applications" in book titled "Research Trends in Mathematics and Statistics (Volume - 12)".
- E-lesson entitled: 'Automorphism Groups, Characteristics Subgroups & Commutator



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subgroups' uploaded on ILLL (Institute of Life Long Learning, University of Delhi) Portal : (ISSN 2349-154X).

Research Projects:

- Worked as a facilitator and mentor at the summer experimental workshop for undergraduate science students, 'Flavor of Research- Investigate projects in multidisciplinary contexts', 2014-15.

Administrative Responsibilities (reverse chronological order):

Invited talks/Session chair/Resource person:

- Participated as a Subject Resource Person in the virtual workshop on collating mathematics resources for teachers in higher education organized by National Resource Centre for Education of National Institute of Educational Planning and Administration (NIEPA) during October 06-07, 2020 at NIEPA, New Delhi.

Conferences Organised:

- Organised four days lecture series by Professor Amitabh Tripathi from IIT Delhi, on the topic "The lure of Continued Fractions" in 2019.

Seminars/Workshops/Conferences attended:

- Participated in three days webinar "Covid 19 : Challenges and Road Ahead" from 7th – 9th May, 2020 organized by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
- Participated in Webinar series on 'Quality Assurance in Higher Education: Practices and Issues" from May 4th -8th, 2020 organized jointly with IQAC, Hansraj College under PARAMARSH, a UGC scheme for mentoring NAAC accreditation aspirant institutes to promote quality assurance in higher education.
- Participated in research seminar in Mathematical sciences organized by Deen Dayal Upadhyay college under DBT star college program on Jan. 23, 2020.



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- Participated in The Teacher Enrichment Workshop (TEW) on “Algebra & its application” at Shivaji college, University of Delhi, from 06th May 2019 to 11th May 2019 organized by National Centre for Mathematics, a joint center of TIFR and IIT Bombay, Advanced training in Mathematics.
- Participated in Faculty Development Programme entitled “Entrepreneurship, Motivation & Learning” at Atma Ram Sanatan Dharma (ARSD) College, University of Delhi from 24th Dec. 2018 to 30th Dec. 2018 organized by IQAC of ARSD, University of Delhi, in collaboration with National Institute for Entrepreneurship and Small Business Development (NIESBUD) Noida, UP, an organization of the Ministry of skill development and entrepreneurship, Govt. of India.
- Participated in one-week Faculty Development Programme entitled “Disabilities Studies: Perspective and Emerging Trends” at Maitreyi College, University of Delhi from 17th Dec. 2018 to 23rd Dec. 2018 organized by Maitreyi College, University of Delhi in collaboration with Teaching Learning Centre (TLC), Ramanujan College under the scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), Ministry of HRD, Govt. of India
- Participated in one-week Faculty Development Programme entitled “Advances in Integrated Sciences: Learning & adaptation for effective teaching and research” at Shyam Lal College, University of Delhi from 10th Dec. 2018 to 16th Dec. 2018, jointly organized by Shyam Lal College, University of Delhi and UGC- Human Resources Development Centre, Jamia Milia Islamia and CSIR-institute of Genomics & Integrative Biology.
- Participated in the ‘Workshop on LATEX’ on 09th April 2016 organized by Department of Mathematics, Hansraj College, University of Delhi.
- Participated in a Capacity Building Workshop on e-content creation in Mathematics on 29th Jan. 2016 organized by Institute of Life Long Learning (ILLL), University of Delhi.
- Attended Orientation Programme from 08- 12- 2014 to 05- 01- 2015 organized by Centre for Professional Development in Higher Education (CPDHE) UGC-ASC, University of Delhi.
- Participated in International Conference ‘The Legacy of Srinivasa Ramanujan’ on 17-12-2012 at University of Delhi.
- Participated in National Conference on ‘Mathematics beyond Formulae and Theorems’ on 22-02-2011 and 23-02-2011 organized by Department of Mathematics, Indraprastha College for Women, University of Delhi.
- Attended Refresher course in Mathematics and Operations Research from 13-12-2010 to 04-01-2011 organized by Centre for Professional Development in Higher Education (CPDHE) UGC-ASC, University of Delhi.



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- Participated in workshop on 'Mathematica' at South Campus, University of Delhi on 08-12-2010 organized by University of Delhi with fellow-in-charge Institute of Life Long Learning, (ILLL), UDSC.
- Participated in ICT Workshop for capacity building of Delhi University faculty from 05-04-2010 to 10-04-2010, Institute of Lifelong Learning.
- Participated in Advanced Training in Mathematics for Lecturers (ATML) in Real Analysis from 22-03-2010 to 03-04-2010 organized by Department of Mathematics, University of Delhi and National Board for Higher Mathematics (NBHM).
- Participated in 'National Meet on History of Mathematical Sciences' at Conference Centre, University of Delhi from 07-01-2010 to 09-01-2010.
- Participated in Workshop on Mathematica on 21-08-2008 and 22-08-2008 at South Campus, University of Delhi.