

Dr. PARUL PANT

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WORK EXPERIENCE

- 1) Working as Assistant Prof. of Chemistry in Hansraj College , University of Delhi (Permanent Faculty (2014- Till Date).
- 2) Worked as Assistant Professor in Maitreyi College, University of Delhi (Adhoc; August 2011- May 2013, July 2014-Dec 2014)
- 3) Assistant Professor in Jesus and Mary College College, University of Delhi (Adhoc , August 2013- July 2014)

EDUCATION

UNIVERSITY OF DELHI , Delhi, India, Ph. D Inorganic Chemistry, Supervisor: Prof. R.K. Sharma	2010
UNIVERSITY OF DELHI , Master in Sciences [M. Sc.], Inorganic Chemistry	2004
UNIVERSITY OF DELHI , MIRANDA HOUSE, Bachelor of Sciences [B.Sc.], Chemistry [Honours]	2002

RESEARCH SUMMARY

- 1) Worked as P.I for Innovation Project (2015-16) “**Synthesis of Drug Doped Silica Nanoparticles for Bioimaging and Therapeutic Applications**” under Grant released from University of Delhi.
- 2) Worked on Project titled “**Bioextraction of Chromium from Plants and Formulation Development of Useful Microbes as Biopackage for Cleaning and Reclamation**”.
- 3) Worked on “**Synthesis, Characterization and applications of Functionalized Amberlite XAD-16 in metal ion extraction and Catalysis.**”

REFRESHER /ORIENTATION COURSE AND FDP ATTENDED

- Participated in **Online Refresher Course in Chemistry for Higher Education Faculty**(SWAYAM ARRPIT ONLINE COURSE CERTIFICATION ,MHRD) 2019-20.
- Participated in two week online **Faculty Development Programme** on Advanced Concepts for Developing MOOCS organized by MHRD and Ramanujan College,

University of Delhi from 1st July-16th July 2020.

- Participated in **Online Refresher Course in Chemistry for Higher Education** Faculty (SWAYAM ARRPIT ONLINE COURSE CERTIFICATION, MHRD) 2018-19.
- **Participated in Faculty Development Program** on “Agriculture ,Heath and Society” 15-16th March 2019.
- **Participated in FDP on Digital Literacy**: An Introduction to ICT skills at Department of Physics and Electronics, Hansraj College ,University of Delhi, September 15-17,2017.
- Participated in UGC sponsored **Orientation Programme** organized by CPDHE, University of Delhi from November 17, 2015- December 15, 2015.

CONFERENCES / WORKSHOPS / SEMINARS ORGANIZED / ATTENDED

- Assisted as **Treasurer** in National Seminar on Environment and Sustainability in third World organized By Department of Chemistry & IQAC, Hansraj College, Delhi, India on 28th February 2020.
- **Presented poster** in national workshop on “Technology Outreach as Enabler for Inclusive and Sustainable Development”, 10-12th August, 2019.
- Worked as **Member Organizing Committee** in “1st International Conference on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019)” 25-26 February 2019.
- **Assisted in Organizing workshop** on “Chemistry Laboratory Working Skills and Safety Education” by IQAC & Department of Chemistry Hansraj College, University of Delhi, 17th July 2017.
- **Worked as a Resource person** in DBT Sponsored Workshop on “Simulation of Pathological Test for UTI in the Laboratory”, Jan –Feb, 2016.
- Worked as **Member Executive organizing Committee** in “Indo-Portugese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology” 12-13 Feb 2016.
- Worked as **Member Organizing Committee** in National Seminar on “Role of Analytical Sciences in Sustainable Development”, March 4-5, 2016.
- **Attended** Seminar on Empowering Women through Science & Technology organized by the National Academy of Sciences, March 8-9, 2018.
- **Participated** in Indo-US Scoping Workshop on “Development of Rural Biorefineries in India: From Waste to Wealth” organized by University of Delhi and TERI , 2017
- **Represented** as a **Coordinator and Supervisor** for Jesus and Mary College in “Good Practices Stall in Atardhwani 2014 .
- **Participated** in Special Orientation Programme for foundation Course in Science and Life for FYUP, Aug 19, 2013.

PROFESSIONAL AFFILIATIONS

Indian Chemical Society (Life Member) (LM-6603).

Life member Green Chemistry Network Centre (7358).

BOOKS PUBLISHED

- 1) Environmental Studies [CBCS] Taxmann Publication, Assam (2020, 1st Edition) ISBN-13 : 978-9390128389
- 2) Environmental Studies [CBCS] Taxmann Publication (2018, 4th Edition) ISBN No : 978-9387957725.
- 3) Environmental Studies [CBCS] Taxmann Publication (2017, 3rd Edition) ISBN -988-9350717363
- 4) Environmental Science [CBCS] Odisha (2017, 2nd Edition) ISBN 978-9386635303
- 5) Environmental Science [CBCS] Odisha (2016, 1st Edition) Taxmann Publication ISBN- 9789350719893
- 6) Environmental Studies [CBCS] Taxmann Publication (2016, 2nd Edition) ISBN 978-9350719909
- 7) Environmental Studies (Choice Based Credit System) (2015, 1st Edition) Taxmann Publication ISBN 978-9350717363

RESEARCH PUBLICATIONS

- “Curcumin loaded Silica Nanoparticles and their therapeutic applications: A review” published in **Journal of Materials NanoScience**, 2020, 7(1), 1
- “Engineered magnetic nanoparticles as efficient sorbents for wastewater treatment: A review.” published in **Materials Research Innovations**, 2017, <https://doi.org/10.1080/14328917.2017.1334846>
- “Porous and Chelated nanostructured multifunctional materials: recoverable and reusable sorbents for extraction of metal ions and catalysts for diverse organic reactions” **published in Journal of Nanostructure in Chemistry**, 6(2)(2016)45.
- “Solid phase extraction and determination of metal ions in aqueous samples using Quercetin modified Amberlite XAD-16 chelating polymer as metal extractant.” **International Journal of Environmental Analytical Chemistry**, 89(7)(2009)503
- “Preconcentration and determination of trace metal ions from aqueous samples by newly developed Gallic Acid modified Amberlite XAD-16 Chelating Resin” published in **Journal of Hazardous Materials** 163(2009)295.
- “Synthesis characterization and catalytic behaviour of Silica supported Zinc Salicyldimine Complex”, published in **Journal of Macromolecular Science, Part A**, 45(5) (2008) 394.

ADMINISTRATIVE AND ACADEMIC DUTIES PERFORMED

- Member North East Cell Committee, Hansraj College (2020-21)
- Member Garden Committee, Hansraj College (2019-20).
- Secretary, Hansraj Teachers Staff Association (2018-2019).
- Member of Women Development Cell (2017-18)
- Member Equal Opportunity Cell (2016-17).
- Deputy Superintendent of Examinations (Evening) Hansraj College (May-June 2017).
- Member Environment Awareness Committee (2015-16).

- Member Equal Opportunity Cell (2015-2016).
- Student Marksheet Verification Officer for Regular Student Admissions (2015).
- Member of Apparatus Store Committee of Chemistry Department (2015-16, 2016-17, 2017-18, 2018-19)
- Member of Instrumentation Committee of Chemistry Department, 2019-20.