

**Mr. Hansraj Poswal**

**Assistant Professor (Chemistry)**

**Dr. Bheemrao Ambedker Government**

**PG College, Nimbahera (Raj.)**

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### ***POSITIONS SERVED***

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Assistant Professor (Chemistry) at Rajiv Gandhi Government PG College, Mandsaur (M. P.)

### ***Education***

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PhD (Submitted): Advance Study of Chemistry (Department of Chemistry), University of Rajasthan, Jaipur.

MSc: Advance Study of Chemistry (Department of Chemistry), University of Rajasthan, Jaipur.

BSc: University Maharaja College, University of Rajasthan, Jaipur.

### ***Research Publications***

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1. H. Poswal and A.S. Meena, Facial Fabrication of ZnO Nanomaterials for Effective Degradation of Direct Yellow 9 Dye Under Sunlight Radiation, *Jour. of Emer. Tech. and Inno. Res.* Vol 9(7), 2022.
2. H. Poswal, L. Baloat and A.S. Meena Photocatalytic Efficiency of ZnO Nms in Photochemical Reactor, *Inter. Jour. of Res. and Analy. Revi.*, Vol. 9(3), 2022.
3. A.S. Meena, Sonika, M. Akram, Jayshree, H. Poswal, M.L. Meena and J. Meena, Solar Energy Conversion and Storage in Fuchsin Basic Mannitol Dye Sensitized Solar Cell, *Asia. Jour. of Chem. and Environ. Res.*, Vol. 13(1-4), 2020, pp16-21.
4. Sonika, Jayshree, M. Akram, H. Poswal, M.L. Meena, J. Meena and A.S. Meena, Optimum efficiency of DSS cell for generation of Electrical Energy, *Asia. Jour. of Chem. and Environ. Res.*, 2021.

### ***Academic Award/Examination Qualified/Selected Positions***

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1. Qualified CSIR-UGC NET-JRF in Chemical Sciences, University Grant Commission, New Delhi, held in 2016 & 2017.
2. Qualified GATE-examination in Chemistry, held in 2017, 2018 & 2019.
3. Selected as College Lecture in Technical Education Department, Government of Rajasthan, Conducted by RPSC, Ajmer.
4. Selected as Assistant Professor in Higher Education Department, Government of Madhya Pradesh, Conducted by MPPSC, Indore.

### ***Teaching Experience as PG and UG (03 Years as on 17.12.2022)***

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Courses taught at UG level:

1. Physical Chemistry
2. Organic Chemistry
3. Inorganic Chemistry
4. Practical of Inorganic, Organic and Physical Chemistry.

Courses taught at PG level:

1. Spectroscopy
2. Organic Synthesis
3. Heterocyclic Chemistry
4. Environmental Chemistry
5. Photochemistry and Pericyclic Reactions

### ***Conferences/Symposium***

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1. "Review on Photocatalytical Degradation of Textile Dyes under Sunlight Radiation by ZnO Nanomaterials", International Conference on RENEWABLE ENERGY, February 25-27, 2022, Organized by Centre for Non-Conventional Energy Resources (CNCER), University of Rajasthan, Jaipur, INDIA in association with International Association for Hydrogen Energy (IAHE), USA & MRSI, Rajasthan Chapter.

2. “Synthesis Characterization and Application of Nanomaterials”, International Conference on Recent Advances at Interface of Physical and Life Sciences (RAIPLS-2019), January 28-30, 2019, organized by Department of Chemistry, University of Rajasthan, Jaipur, INDIA, in association with Shree Balaji PG Mahavidyalaya (SBPGM), Jaipur.
3. “Review on Photocatalytical Degradation of Textile Dyes under Sunlight Radiation by Copper Oxide Nanomaterials”, National Symposium of Chemistry for Sustainable Future Organized by Department of Chemistry, University of Rajasthan, Jaipur.
4. International Conference on Ecosystem Restoration and Environmental Sustainability: Concern and Alternatives, October 26-28, 2021, Organized by Indra Gandhi Centre for Human Ecology, Environmental and Pollution Studies, University of Rajasthan, Jaipur, INDIA, in association with International Academy of Physical Science, Prayagraj, INDIA (CONIPASXXXVII).