

Dr. Hemraj Mahipati Yadav

Ramanujan Fellow (SERB Gov. of India)
School of Nanoscience and Technology,
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Qualification

- 2012-2014 Ph.D., Center for Interdisciplinary Research, D.Y. Patil University, Kolhapur.
(Title: Antibacterial Studies with Metal-Doped TiO₂ Nanoparticles)
(Supervisors: Prof. S.D. Delekar and Prof. S.H. Pawar)
- 2007-2009 M.Sc., Department of Applied Chemistry, Shivaji University Kolhapur.
- 2003-2006 B.Sc., Doodhsakhar Mahavidyalaya, Bidri.
- 2001-2003 H.S.C., Doodhsakhar Vidyaniketan & Jr. College, Bidri.
- 2000-2001 S.S.C. Raghunath New English School, Arjunwada.

Awards & Honors

- 2021 Young Associate, Maharashtra Academy of Sciences.
- 2021 Ramanujan Fellowship with research grant of 1.19 Cr. by Science and Engineering Research Board, Government of India to carryout independent research.
- 2014 International Travel Support Grant by SERB Delhi to attend “NANO KOREA 2014 SYMPOSIUM”, held at Coex, Seoul, South Korea during July 2-4, 2014.
- 2013 First Rank Award, Avishkar 2013-2014, Shivaji University Kolhapur, India
- 2012 Best oral presentation, SCCO-2012, Dr. B.A.M. University, Sub-campus, Osmanabad, India.

Professional Experience

- 2021 ~ **Ramanujan Fellow** (SERB Gov. of India)
School of Nanoscience and Technology, Shivaji University Kolhapur, Maharashtra, India.
- 2017-2021 **Assistant Professor**
Dongguk University, Seoul, Korea.
Research field: Dye-sensitized solar cells, Electrochemical sensors, supercapacitors, heterogeneous catalysis, Langmuir-Blodgett films, etc.
- 2014-2017 **Postdoctoral Fellow**
University of Seoul, Seoul.
Research field: Photocatalysis, self-cleaning coatings, MEMS gas sensor, etc.
- 2011-2014 **Senior Research Fellow**
Dr. B.A.M. University, Sub-Campus, Osmanabad, India.
Research field: Nanomaterials for photochemical transformations.
- 2010-2011 **Research & Development Chemist**
Clean Science & Technology Pvt. Ltd. Kurkumbh, Pune, India.

Activities/ Membership

- 2020 Guest Editor: Special issue on Nanostructures for Electrochemical Applications, *Polymers* MDPI Publisher.

- 2019 Guest Editor: Special issue on Nanostructures for Photochemical Transformation Applications, *Catalysts* MDPI Publisher.
- 2019 Member of American Chemical Society
- 2019 External PhD Thesis examiner: University of Madras, Chennai, India.
- 2018 Honorary President of GMG Korea and Member of Executive committee of Garje Marathi Global (GMG) Platform.
- 2017 Member of Asian Research Network, Seoul Korea.
- 2016 Moderator Marathi Mandal Korea.

Research activity

No. of research articles published	: 82
No. of book chapters published	: 03
No. of papers published in conference	: 03
No. of papers presented at conference and invited talk	: 34
No. of ongoing projects	: 01