

Manoj M. Rajpure

Ph.D. Student

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EDUCATION

2016-2018 **Master of Science (M.Sc.) in Chemistry, major in Organic chemistry**

Yashavantrao Chavan Institute of Science, Satara under Shivaji University Kolhapur, Maharashtra-415 001, India

July 2018 (graduate), First class with distinction

2013-2016 **Bachelor of Science (B.Sc.), major in Chemistry**

Yashavantrao Chavan Institute of Science, Satara under Shivaji University Kolhapur, Maharashtra-415 001, India

July 2016 (graduate), First class with distinction

WORKING EXPERIENCE

2021- Present **Ph.D. student (2nd Semester)**, Environmental Waste Recycle Institute

(EWRI), Department of Energy Science and Technology (DEST), Myongji

University, Yongin, South Korea

- 2020-2021 **Research Associate**, Analytical Development Laboratory, Glenmark Life Sciences Limited, GIDC Industrial Estate, Ankleshwar-393 002, India
- 2019-2020 **Research Associate**, Life Cycle Management Department, Lupin Research Park, Pune, Maharashtra-412-115, India
- 2018-2019 **Junior Officer**, Analytical Research Development department, Indoco Remedies Limited (R&D center), Rabale, Navi Mumbai-400 701, India

CONFERENCE PRESENTATIONS

- **Manoj M Rajpure**, Hern Kim, Superoleophilic hydrogel membranes with dual porous structures by scaffolding and emulsion and their applications in oil-water separation, *The Polymer Society of Korea 2021 Fall Meeting, Gyeongju, Republic of Korea*, Oct 20-22, 2021.
- Dr. Harsharaj S. Jadhav, **Manoj M Rajpure**, Hern Kim, Hierarchical growth of free-standing electrocatalysts for electrochemical Water splitting in alkaline solution, *The Polymer Society of Korea 2021 Fall Meeting, Gyeongju, Republic of Korea*, Oct 20-22, 2021.
- **Manoj M Rajpure**, Dr. Harsharaj S. Jadhav, Hern Kim, Transition Metal derived electrocatalyst for OER and MOR reaction in alkaline solution, *Korean Society of Industrial and Engineering Chemistry Spring 2021 (KSIEC 2021)*, Busan, Republic of Korea, May 12-14, 2021.

RESEARCH AND TECHNICAL SKILLS

Research Skill

- Advanced synthesis of electrocatalysts, nanomaterials, composites via electrodeposition process, hydrothermal method; urea oxidation, oxygen evolution reactions, hydrogen evolution reactions; absorption, emulsion, oil water separation.

- Excellent material's characterization skills using HPLC, UV-Vis, TGA, FTIR etc.
- Microsoft Office; Excel, Microsoft word, PowerPoint
- Proficient in software programs such as PANalytical's X'Pert High Score Plus, OriginPro 2016/2021, and ImageJ.

Personal Strength

- Quick learner
- Good Communication skills
- Loyal and hardworking

CHARACTER REFERENCE

Prof. Hern Kim

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I hereby certify that the above information is accurate and correct to the best of my knowledge.

Manoj M. Rajpure