

# Pratap M. Ganje

**Ph.D. Student**

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## **EDUCATION:**

- 2016-2018      **Master of Science (M.Sc.) in Chemistry, Major in Organic chemistry**  
Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Sub-Campus Osmanabad, Maharashtra, India.  
July 2018 (Post-graduate), First class with distinction
- 2013-2016      **Bachelor of Science (B.Sc.), Major in Chemistry**  
Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Maharashtra, India,  
July 2016 (graduate), First class with distinction

## **WORKING EXPERIENCE:**

- 2021- Present      **Ph.D. student (2<sup>nd</sup> Semester)**, Environmental Waste Recycle Institute (EWRI), Department of Energy Science and Technology (DEST), Myongji University, Yongin, South Korea
- 2018-2020      **Project Assistant**, CSIR-National Chemical Laboratory Pune-411-008, Maharashtra, India

## **CONFERENCE PRESENTATIONS:**

- **Pratap M. Ganje**, Hern Kim, Sustainable, Flexible and Hydrophobic Amine Functionalized Waste Plastic Aerogel for Selective and Versatile Carbon Dioxide Absorption, *The Polymer Society of Korea 2021 Fall Meeting, Gyeongju, Republic of Korea*, Oct 20-22, 2021.
- **Pratap M. Ganje**, Hern Kim, Synthesis of transition metal-oxide catalyst for base free oxidation of 5-Hydroxymethylfurfural to 2,5-furandicarboxylic acid for fine chemicals, *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:**

- To pursue a research carrier in synthetic organic chemistry and medicinal chemistry to effectively utilize my technical and strong interpersonal skills.
- Synthetic organic chemistry, Medicinal chemistry, Synthesis of natural products.
- Advanced synthesis of electrocatalysts, nanomaterials, composites via electrodeposition process; oxygen evolution reactions, CO<sub>2</sub> Reduction by using various catalyst, catalyst Preparation.
- **Purification:** Knowledge about monitoring & purification techniques for different reaction viz: TLC, Silica Gel CC, Recrystallization etc.
- **Structure Elucidation:** Knowledge about structure elucidation of organic compounds and natural products using various Spectroscopic Techniques such as NMR, IR, MASS Spectrometry and elemental analysis.
- **Instrumental Handling:** Gas Chromatography, HPLC Analysis, TGA, UV-Vis, BET Analysis, IR.
- **Computer Skills:** Microsoft Office; Excel, Microsoft word, PowerPoint.
- Familiar with chemistry software (Chem Draw)
- Familiar with the reference searching software's (Sci- Finder, Science Direct)

- Proficient in software programs such as PANalytical's X'Pert High Score Plus, Origin Pro 2016/2021, and Image J.

**Personal Strength:**

- Pro active Coordination Skills
- Quick learner
- Good Communication skills
- hardworking

**Personal Details:**

Nationality: Indian

Marital Status: Single

Sex: Male

Languages Known: English, Hindi, Marathi.

Date of Birth: 5/02/1996

**CHARACTER REFERENCE:**

**Prof. Hern Kim**

PhD, Myongji University

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

**Pratap M. Ganje**