

**Ankur Khapre(PMRF)**  
Curriculum Vitae

School of Chemistry  
University of Hyderabad  
Hyderabad, India  
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Email Id: 21chph03@uohyd.ac.in

Personal Information  
Date of Birth: 26/09/1997  
Nationality: Indian

**Education**

<b>Ph.D.</b> (Chemistry) School of Chemistry, University of Hyderabad, Hyderabad, 2021-till date	<b>9.85</b>
<b>M.Sc.</b> (Chemistry) School of Chemical Sciences, Devi Ahilya University, Indore, 2018-2020	<b>7.49</b>
<b>B.Sc.</b> (PCM) Rani Durgavati University, Jabalpur 2015-2018	<b>64.9%</b>
<b>DCA</b> Makhanlal Chaturvedi Rashtriya Patrakarita University, Bhopal, 2015-2016	<b>First Division</b>
<b>Higher Secondary School</b> (PCM) Board of Secondary Education, Madhya Pradesh, Bhopal, 2015	<b>81.4%</b>
<b>Higher School</b> Board of Secondary Education, Madhya Pradesh, Bhopal, 2013	<b>81%</b>

**Projects**

- **M.Sc. Project** **Feb**  
**2020 - Apr 2020**  
**Title:** Metal-Organic Framework Derived Catalysts for Dehydrogenative Coupling Reactions.  
**Supervisor:** Dr. Arindam Indra, Department of Chemistry, Indian Institute of Technology BHU, Varanasi  
Brief description of the work:  
Design a new metal-organic framework-based catalyst core. Amine to imine conversion reaction using the catalyst.
- **B.Sc. Project**  
**May 2018 - July 2018**  
**Title:** Analysis of Water Quality Parameters.
- **Institute and Place:** Water Treatment Plant, District Chhindwara, MP  
Brief description of the work:  
Checking the water quality i.e. Hardness, Dissolved Oxygen, pH, and Turbidity. Understanding and handling laboratory equipment.

**Laboratory Training (during Ph.D. till date)**

- **Methodology:** My experiences are in bottom-up crystallization, such as self-assembly techniques and sublimation techniques. Apart from that, I gained knowledge of Flexible (Elastic, Plastic), Optical waveguiding, Electrically conductive, And Optoelectric Organic Crystals.
- **Instruments Handled:** Thermogravimetric Analyzer – Mass Spectrometer, Differential Scanning Calorimeter (DSC), Circular Dichroism (CD) Spectrometer, Spin Coater, Fourier-Transform Infrared (FTIR) Spectrometer, Confocal Optical Microscopy and Atomic Force Microscopy

**Online Courses**

- BARC, Mumbai: [Advance Material Chemistry](#) (June 2022-August 2022)
- Optics and Photonic Centre, IIT Delhi, Delhi: [Summer School on Optics and Photonics](#) (June 2022)

**List of Publication/Patents/Book Chapters**

- Book Chapter: Ankur Khapre, Payal Pawar. “[Green Polymer Chemistry and Bio-Based Plastic](#)” Green Chemistry for the Development of Eco-Friendly Products, edited by Chahal, Kavita Shakya, Solanki, Twinkle, IGI Global, 2022, 77-103 DOI: 10.4018/978-1-7998-9851-1.ch004

**Research Areas of Interest**

- Nanophotonics
- Microcrystals
- Organic Photonics
- Organic Lasers

**Awards/Fellowships/Honors**

- Awarded [PMRF](#) Ministry of education, Government of India. (Cycle-9, 2022).
- Secured 55th rank in [NET JRF+LS](#) conducted by CSIR-UGC NET, MHRD, Government of India. (2021).

- Secured 465 gate score in [GATE](#) conducted by IIT Kharagpur, Kolkata. (2022).
- Qualified [State Eligibility Test \(MH-SET\)](#) conducted by Savitribai Phule Pune University, Maharashtra.(2021)

#### **Workshops/Conferences/Training Attended**

- International Conference "[Advances in Smart Materials and Energy Research](#)" (Session -2, 2022), Advanced Science and Small Science Open Access Journals
- International Conference "[Contemporary Researches in Engineering, Science, Management Arts](#)" (ICCRESMA, 2022), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu.
- National Seminar, "[New Dimensions of Chemical Science](#)" (NDCS-2020), Devi Ahilya University, Indore.
- "[International Summer Program](#)" (ISP-2021), Osaka University, Japan.
- International Conference "[9th Asian Network of Natural Unnatural Materials International Conference](#)" (ANNUM-9, 2022), Department of Chemistry, University of Delhi, Delhi.
- Seminar, "[New Biodiesel Formation from Algae](#)" Department of Chemistry IIT BHU, Varanasi.

#### **Declaration**

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Hyderabad, Telangana

Ankur Khapre

Date: 16/12/2022