

PREETI LAHARE

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HOME ADDRESS

2/A 2/D TYPE Hospital Sector
Dalli Rajhara, District- Balod,
Chhattisgarh- 491228, India

CONTACT DETAILS

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Aspiring researcher with a keen interest in SOFCs, PEM fuel cells, eager to contribute to advancements in electrochemical sensors, electrocatalysts, and composite membranes. Passionate about learning and innovating in clean energy technologies.

EDUCATION

Center for Basic Sciences

Integrated M.Sc. in Chemistry. CGPA 8.4/10

Raipur, India

July 2017 – July 2022

Krishna Public School

HSC- C.B.S.E. Board

Bhilai, India

May 2017

D.A.V. Public School

SSC- C.B.S.E Board

Dalli Rajhara, India

May 2015

PEER-REVIEWED PUBLICATIONS

- 1) Sinha, P.; **Lahare, P.**; Sahu, M.; Cimler, R.; Schnitzer, M.; Hlubanova, J.; Hudak, R.; Singh, N.; Gupta, B.; Kuca, K. Concept and Evolution in 3-D Printing for Excellence in Healthcare. *Curr Med Chem.* **2024**. DOI:10.2174/0109298673262300231129102520 and URL: www.eurekaselect.com/article/137638
- 2) Pradhan, A.; **Lahare, P.**; Sinha, P.; Singh, N.; Gupta, B.; Kuca, K.; Ghosh, K.K.; Krejcar, O. Biosensors as Nano-Analytical Tools for COVID-19 Detection. *Sensors* **2021**, 21, 7823. DOI: 10.3390/s21237823 and URL: www.mdpi.com/1424-8220/21/23/7823

EXPERIENCES

1) Combustion Gasification and Propulsion Laboratory (CGPL), Indian Institute of Science (IISc)

Department of Interdisciplinary Centre for Energy Research (ICER)

Project Associate

Guide: Prof. Dasappa S. and Dr. Anand M. Shivapuji

Analytical skills: GC-TCD-FID, GC-MS, FTIR, and Lab skills: Gasifier,

PEM-Fuel, Software: Chemkin

2) CSIR-National Chemical Laboratory

Project Associate-I

Guide: Ramakrishna Gholap (Principal Technical Officer)

- Analytical skills: E-SEM, FE-SEM, HR-TEM, EDAX, XPS, Powder-XRD, Single-Crystal XRD and Software skills: OriginLab, ImageJ

Bangalore, India

Aug. 2024 -Present

Pune, India

Jan. 2024- June 2024

3) Center for Basic Sciences

Reading Project on Title: 3-D Printing for Excellence in Healthcare

Guide: Dr. Namrata Singh

Raipur, India

Aug. 2022–Dec. 2023

4) Department of Chemistry, University of Delhi

Research Intern

Guide: Prof. Dr. Rakesh Kumar

Master Thesis: Synthesis of triazolyl isatin frameworks as anticancer agents

- Lab skills: Column chromatography, TLC, Rota evaporator
- Analytical skills: ¹H NMR and ¹³C NMR
- Software skills: MestReNove, ChemDraw

New Delhi, India

Oct. 2021-Dec. 2021

5) Institute of Wood Science and Technology

Research Intern

Guide: Dr. Surendra Singh Bisht

Research Title: Extraction, Isolation and Physicochemical analysis of eucalyptus essential oil

- Lab skills: Clevenger and Soxhlet apparatus

Bangalore, India

July 2019-Sept. 2019

CERTIFICATE COURSES

- | | |
|---|--|
| 1) University of Tokyo
edX, an online learning platform
Title: Basic Analytical Chemistry. Grade: 87% | Tokyo, Japan
<i>Dec. 2020</i> |
| 2) IIT Kanpur
NPTEL, an online learning platform
Title: Bioinorganic chemistry. Grade: 78% | Kanpur, India
<i>Feb.-March 2021</i> |
| 3) CSIR-Central Electrochemical Research Institute
Webinar Title: Energy materials-Fundamentals to Device fabrication | Tamil Nadu, India
<i>June 21-25, 2021</i> |
| 4) Chemistry dept., B.S. Abdur Rahman Crescent Institute of Science and Technology
Webinar on Title: Recent Advances In Chemical Sciences (RAICS) | Chennai, India
<i>July 2021</i> |

CONFERENCES

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| 1) International Conference on Electron Microscope and XLII Annual Meeting of the Electron Microscope Society of India (EMSI 2024) | IIT Bombay, India
<i>May 16-18, 2024</i> |
| 2) 56th Annual Convention of Chemists 2019 and International Conference on Recent Trends in Chemical Sciences
Organized by Indian Chemical Society | Raipur, India
<i>Nov. 14-16, 2019</i> |
| 3) Functional Materials and their Applications
IASC-INSANA-SASI Sponsored Science Academics 2019 | NIT Rourkela, India
<i>Jan. 11-12, 2019</i> |
| 4) UGC-SAP (DRS-II) 3rd National conference on Advances in Environmental Chemical Sciences 2019
Conducted by Pt. Ravishankar Shukla University, Raipur, India
• Participant of poster presentation | Raipur, India
<i>Sept. 11-12, 2019</i> |

AWARDS AND SCHOLARSHIPS

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| 1) Won 1st prize in poster presentation entitled "A journey from Mendeleev to modern periodic table" on the National Science Day'2020 at Center for Basic Sciences | Raipur, India
<i>Feb. 2020</i> |
| 2) Won 3rd prize in poster competition of science promotion activity sponsored by Chhattisgarh Council of Science and Technology | Raipur, India
<i>March 2018</i> |
| 3) CBS Scholarship: INR 5000/- per month
• Provided to CBS-Entrance Screening Test qualified students | Raipur, India
<i>July 2017-2022</i> |

VOLUNTEER

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| Kanyadaan foundation NGO
NGO Volunteer
• Menstrual hygiene awareness and distribution of sanitary pads | Raipur, India
<i>Aug. 2022-Sept. 2023</i> |
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REFERENCES

Prof. Dasappa Srinivasiah
Chairman-ICER, Prof.-CST
ICER and CST, IISc, India
dasappa@iisc.ac.in

Dr. Anand M. Shivapuji
Senior Research Scientist
ICER and CST, IISc,
India
anandms@alum.iisc.ac.in

Prof. Dr. Kallol K. Ghosh
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Dr. Bhanushree Gupta
Assistant Professor
Center for Basic
Sciences, Raipur, India
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