

## CURRICULUM VITAE

### Amit Kumar Nunach

Lab No. 26

Department of Chemistry

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### EDUCATION

- **Ph.D. (Chemistry) - Pursuing**  
Chaudhary Devi Lal University, Sirsa- 125055, Haryana, India  
Ph. D. Thesis Title: 'Green Approach towards Corrosion Inhibition for Mild Steel in Acidic Medium by Using Expired Drugs and Plant Extracts'
- **M. Phil. (Chemistry) -Year 2015**  
Chaudhary Devi Lal University, Sirsa- 125055, Haryana, India  
Dissertation Title: 'Long chain Amines as Corrosion Inhibitors for Mild Steel in Sulphuric Acid Medium'
- **Bachelor of Education -Year 2010**  
Kurukshetra University, Kurukshetra - 136119, Haryana, India.
- **M.Sc.(Chemistry) Year 2012**  
Chaudhary Devi Lal University, Sirsa- 125055, Haryana, India
- **Bachelor of Science – Year 2009**  
Kurukshetra University, Kurukshetra - 136119, Haryana, India.
- **CSIR UGC NET (Chemical Sciences) Year 2022**

### SPECIALIZATION – Physical Chemistry

#### Teaching Experience

- Worked as Assistant Professor (Chemistry) in Shanti Niketan College, Hisar, Haryana from 28/08/2014 to 25/09/2020.
- Working as Assistant Professor (Chemistry) in Shanti Niketan College, Hisar, Haryana from 01/01/2023 to till now.

#### Publications

1. Published **Amit Kumar Nunach**, Gita Rani, Naveen Kumar and Rachna Ahlawat “**Corrosion Inhibition Potential of Cymbopogon citratus leaves Extract on Mild Steel in 0.1 M Sulphuric Acid Medium at Different Temperature**” in Asian Journal of Chemistry indexed in SCOPUS. IF: 0.19, ISSN-0975-427X (Online).

**Abstracts Published, Poster presentation and Conferences/Symposia attended:**

1. “Expired Drugs: Eco-friendly Corrosion Inhibitors for different metals and alloys” in the Physical Chemistry Section of the 57th Annual Convention of Chemists, 2020 & International Conference on “Recent Trends in Chemical Sciences (RTCS-2020)” organized by the Indian Chemical Society, Kolkata during December 26 – 29, 2020. The Abstract of the Presentation is published in the Abstract Book (Page 409).
2. A poster entitled “Boerhavia diffusa (Punarnava) Extract as Green Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium” was presented in an international conference on “Technological transformation and preparedness in the Post COVID World” organized by DCRUST, Murthal on 22-23 March 2021
3. A poster entitled “Expired Drugs (Ciprofloxacin) as green corrosion inhibitor for mild steel in sulphuric acid medium” was presented in an international conference on “Recent Advances In Basic And Applied Sciences” held at Faculty of Sciences, Baba Mastnath University, Rohtak on 27-28 August 2021.
4. Presented (Poster) the paper entitled “Expired Drug (Erythromycin) as Green Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium.” in the 58th Annual Convention of Chemists, 2021 & International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata during December 21st – 24th, 2021.
5. A poster entitled “Fenugreek (Methi) Seed Extract as Green Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium ” was presented in an international conference on “Advanced Developments in Chemistry and Allied Sciences-2021 (ADCAS-21)” organized by DCRUST, Murthal on 16-17 December 2021
6. Presented a poster entitled “Lemon Grass Extract as Green Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium” in an INTERNATIONAL CONFERENCE ON FRONTIERS IN PHYSICS, MATERIALS SCIENCE & NANOTECHNOLOGY (FPMSN-2022) MARCH 25-26, 2022 organised by Dept. of Physics, CDLU Sirsa.

#### **Highlights of Ph.D. work:**

Corrosion inhibition study was done by using different Eco-Friendly corrosion inhibitors for mild steel in acidic medium. Different techniques like Weight loss, Electrochemical polarization, Electrochemical Impedance spectroscopy, Metallurgical Research Microscopy, Scanning Electron Microscopy etc. were used for calculation of efficiency of inhibitors. Studies suggested that used inhibitors may be used as corrosion inhibitor.

#### **Personal Details:**

Name: Amit Kumar Nunach

Father's Name: Sh. Bagvir Singh Nunach

Date of Birth: 28/03/1987

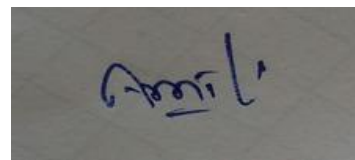
Nationality: Indian

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**References:**

I) Dr. Gita Rani,  
Associate Professor & Chairperson  
Department of Chemistry,  
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**(Amit Kumar Nunach)**