

# Dr. Sirugudu Srinivasa Rao



**Designation** : Associate Professor & HOD  
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**Contact at** : Department of Chemistry,  
 Velagapudi Ramakrishna Siddhartha Engineering College,  
 Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

### Ph. D (Chemistry)

2012, National Institute of Technology Warangal (NITW), Warangal

### M.Sc (Industry-Oriented Chemistry)

2000, Regional Engineering College Warangal (RECW), Warangal

### B.Sc (M.P.C.)

1998, Nagarjuna University, Guntur District, Andhra Pradesh

## Experience

| Period         | Designation         | Institution / Organization                            |
|----------------|---------------------|-------------------------------------------------------|
| 2018-till date | Associate Professor | Velagapudi Ramakrishna Siddhartha Engineering College |
| 2001-2018      | Assistant Professor | Velagapudi Ramakrishna Siddhartha Engineering College |
| 2000-2001      | Lecturer            | K. B. N. Degree College                               |

## Research Interests

### Broad Area of Research :

Corrosion and its control, Corrosion inhibitors, Water quality analysis

## Honors and Awards

- Chukkapalli Pitchchiah Memorial '**Best Teacher Award**' for the year 2017 received from Siddhartha Academy of General & Technical Education, Vijayawada, on 1<sup>st</sup> February 2018.

- **Second Prize in Best Paper Awards** for the paper entitled, “*Synergistic effect of ascorbate in combination with 2-phosphonobutane-1,2,4-tricarboxylic acid and Zn<sup>2+</sup> for corrosion control of carbon steel*”, presented at Fourteenth National Congress on Corrosion Control (NCCC-14) organized by National Corrosion Council of India (NCCI), CECRI, Karaikudi, at Hotel Green Park, Hyderabad, 18-20 September 2008.
- **First Prize in Best Paper Awards** for the paper entitled, “*A new eco-friendly ternary inhibitor formulation based on phosphonate for corrosion inhibition of carbon steel*”, presented at National Conference on Corrosion Assessment and its Control (NCAC 09) organized by National Corrosion Council of India (NCCI), CECRI, Karaikudi at Thiagarajar College of Engineering, Madurai, 21-22 December 2009.
- **Best Oral Presentation Award** for the paper entitled, “*Electrochemical and surface analytical studies of phosphonate based protective films for corrosion control of carbon steel*”, presented at International Conference on Frontiers in Materials Science for Energy and Environment (ICFMS-2012) organized by Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai, 11-13 January 2012.
- **Best Presentation Award** for the paper entitled, “*Inhibitive effect of phosphonate-based surface film on corrosion of carbon steel in low chloride environment*”, presented at National Conference on Corrosion, Surface Engineering and Tribology (CST-2013) organized by Centre of Excellence in Corrosion and Surface Engineering (CECASE), National Institute of Technology Tiruchirappalli, 22-23 April 2013.
- **Best Paper Award** for the paper entitled, “*Evaluation of protective nature of a phosphonate-based surface film against corrosion of carbon steel*”, International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials (ACECIM’14), SRM University, Ramapuram Campus, Chennai, 13-14 March 2014.
- **Best Paper Award** for the paper entitled, “*Role of folic acid as a synergist to a phosphonate-based inhibitor formulation for corrosion control of carbon steel*”, presented at Third National Conference on Advances in Chemistry (NCAC-2015), organized by Department of Chemistry, Easwari Engineering College, Chennai, 18<sup>th</sup> February 2015.

## Courses Taught

- Engineering Chemistry
- Universal Human Values
- Yoga and Meditation
- Industrial Chemistry

## Research Profile

### Publications

The recent publications and research contributions can be viewed from the following URLs

|                |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Google Scholar | <a href="https://scholar.google.com/citations?hl=en&amp;user=-BVP9hEAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=-BVP9hEAAAAJ</a> |
| Scopus         | <a href="https://www.scopus.com/authid/detail.uri?authorId=57212588596">https://www.scopus.com/authid/detail.uri?authorId=57212588596</a>       |
| ORCID          | <a href="https://orcid.org/0000-0001-7567-3494">https://orcid.org/0000-0001-7567-3494</a>                                                       |
| dblp           | -                                                                                                                                               |
| Publons        | -                                                                                                                                               |
| Research Gate  | -                                                                                                                                               |
| LinkedIn       | -                                                                                                                                               |

## Recognized Research Supervisor

| S.No. | Department | University                                          |
|-------|------------|-----------------------------------------------------|
| 01.   | Chemistry  | Jawaharlal Nehru Technological University, Kakinada |

## Funded Research Projects

|           |     |
|-----------|-----|
| Completed | 01  |
| On-going  | NIL |
| Applied   | NIL |

## Consultancy / Industry Projects

|           |     |
|-----------|-----|
| Completed | NIL |
| On-going  | NIL |
| Applied   | NIL |

## Patents

|           |     |
|-----------|-----|
| Granted   | NIL |
| Published | NIL |
| Applied   | NIL |

## Invited Talks

|                      |     |
|----------------------|-----|
| No. of Invited Talks | NIL |
|----------------------|-----|

## Professional Service / Reviewer

- Reviewer in "Arabian Journal of Chemistry" and "Dyes and Pigments", Elsevier

## Professional Development Activities - Participations

|                                                               |         |
|---------------------------------------------------------------|---------|
| Faculty Development and Training Programmes (at least 5 Days) | 03      |
| International / National Level Seminars                       | 05 / 06 |
| International / National Level Conferences                    | 07 / 13 |
| Workshops                                                     | 03      |
| Instructor Led / Self-Paced Courses                           | 13      |
| Webinars                                                      | 02      |

## Professional Bodies Membership Details

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|               |                                                    |
|---------------|----------------------------------------------------|
| LM:705        | Association of Chemistry Teachers (ACT)            |
| Fellow-FC-011 | International Science Community Association (ISCA) |
| LMB1599       | Materials Research Society of India (MRSI)         |

(S. SRINIVASA RAO)