

Biodata

Dr. Ramakrishna Singuru

Lecturer in Chemistry

Department of Chemistry

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Academic Qualifications:

Name of the qualification	Name of the Institution	% of Marks	Year of passing
Ph.D. in Chemistry	Osmania University, Hyd.	Awarded	2015
M.Sc in Chemistry	University of Hyderabad	78.6	2009
B.Sc. (MPC)	Govt. Degree College (Men), Srikakulam, Andhra University	81.1	2007
Intermediate (MPC)	APR. Jr. College, Kodiganahalli, Anantapur	93.9	2004
S.S.C	APTWRS & Jr. College, Peddamadi, Srikakulam	86.5	2002

Ph. D. Thesis:

Synthesis, Characterization, Photocatalytic Studies of Cation, Anion Doped Titanates and Molybdates

Teaching experience: PG: 08 Years, UG: 12 Years

- Worked as lecturer in Chemistry in Govt. Degree College, Tiruvuru, Krishn Dt., from 26/12/2011 to 20/10/2016
- Working as lecturer in Chemistry in Govt. Degree College (Men), Srikakulam since 21/10/2016 to till now

Academic Fellowships/Awards/Medals and Other Qualifications:

- Awarded **CSIR-JRF** in 2009 to pursue Ph.D in Chemistry under the guidance of Prof. M. Vithal, Department of Chemistry, Osmania University, Hyderabad
- Selected as Lecturer in Chemistry in 2011 (UGC-New Delhi Norms) by APPSC, Govt. of Andhra Pradesh, India.
- Qualified the joint CSIR-JRF (NET) examination for the award of Junior Research Fellowship and Lectureship under CSIR category held in Dec. 2008.
- Called for the Interview of CSIR Shyama Prasad Mukherjee (SPM) Fellowship in 2009.
- Qualified the Graduate Aptitude Test in Engineering examination in 2009 (GATE-146) conducted by Indian Institute of Technology (IIT), India.
- Secured **1st Rank** in PG Entrance Test in Chemistry conducted by Andhra University, Visakhapatnam in 2007.
- Secured **2nd Rank** in PG Entrance Test in Chemistry conducted by University of Hyderabad, Hyderabad in 2007.

- Secured 11th **Rank** in PG Entrance Test in Chemistry conducted by Banaras Hindu University, Varanasi in 2007.
- Called for interview to enter Integrated PhD in Chemistry at IISc Bangalore in 2007.

Activities attended & conducted:

- Conducted a Talk on Crosscutting Issues-Nuclear Power: Need of the Hour” on 31-08-2023.
- Conducted Science Academies’ Lecture Workshop in “ New Frontiers in Chemical Sciences” on 17th, 18th, & 19th Nov. 2022.
- Conducted one Day National Webinar on “Radiochemistry & Its Applications” on 26-02-2022 in association with IGCAR, Kalpakkam.
- Conducted one Day National Webinar on “Approaches & Challenges in Everyday Life” on 25-03-2022 in association with RSC-LD, Hyderabad
- Conducted National Level quiz on “ Periodic Table” to commemorate birthday of Mendeleev on 8th February 2022.
- Conducted International Workshop on “Environmental Sustainability” on 28-01-2022 in association with Suraksha, USA.
- Conducted an online quiz on “World Environment Day” by sharing Google Form on 5th June 2020
- Conducted an online quiz on “Chemistry Against COVID-19 Quiz” by sharing Google Form on 1st June 2020
- Conducted ‘Popular Lecture Series in Biotechnology’ at Govt. Degree College (Men), Srikakulam during 11th & 12th of Feb-2020, sponsored by DBT-New Delhi.
- Participated and presented a paper in the One Day State Level Seminar on Chemistry for Swachh Bharat, organized by SCIM Govt. Degree College, Tanuku, West Godavari Dist.
- Participated in the UGC Sponsored National Seminar on Genetics and Genome analysis for Novel Therapeutics, organized by Govt. Degree College (Men), Srikakulam during 27th and 28th February 2017

FDP, Refresher and Orientation Courses:

- Attended an online a 2-Week Faculty Development Programme on "Managing Online Classes and Co-creating MOOCs 3.0", organized by Teaching Learning Centre, Ramanujan College, University of Delhi, during from 25th July 2020 to 10th August 2020.
- Attended an online "5 Day FDP in LMS Video & Pedagogy", organized by APCCE, Vijayawada, during from 3rd August 2020 to 7th August 2020.
- Attended an online 7 Day Programme on "Earth & Environment Responses during CoVID-19", organized by SPPU HRDC Faculty Development Centre, during from 11th July 2020 to 17th July 2020.
- Attended an online "5 Day FDP on Innovative Teaching Learning Methodologies", organized by Teaching Learning Centre of Coimbatore Institute of Technology during from 6th July 2020 to 10th July 2020.
- Attended an online "5 Day FDP in Chemistry", organized by APCCE, Vijayawada, during from 1st July 2020 to 5th July 2020.
- Completed AICTE Approved Online Refresher Course in Chemistry for Higher Education, ARPIT-2019 (16 weeks course).
- Completed 4-credited UGC approved Swayam Course in Organic Chemistry-1 (15 weeks course) in the session July-Oct 2019.
- Attended Orientation Course, organized by Andhra University, Visakhapatnam, during from 24/02/2014 to 22/03/2014.
- Attended Refresher Course, organized by Osmania University, Hyderabad, during from 02/07/2013 to 23/07/2013.
- Attended Refresher Course, organized by JNTU, Hyderabad, during from 05/11/2012 to 26/11/2012.
- Attended Induction Training Programme, organized by Arts (A) College, Rajahmundry, during from 26/12/2011 to 31/12/2011.

List of Publications:

- Adsorption Studies of Moringa oleifera Seed Powder in removal of Cadmium, Zinc and Chromium from Water, Venkata Maruti Prasad S., **S. Ramakrishna**, and H.

Ramamohan, **Indian Journal of Environmental Protection** 44(5) (2024) 387-395, (ISSN: 0253 –7141).

- Solar thermal treatment of phosphogypsum and its impact on the mineralogical modification for effective utilization in cement production, Suresh Palla, Prateek Sharma, M.V. Ramachandra Rao, **S. Ramakrishna**, Suresh Vanguri, B.N. Mohapatra, **Journal of Building Engineering Suresh Palla** 51 (2022) 104218, (ISSN: 2352-7102).
- BCSA Rawmix Design: Correlation between Chemical Constituents and Mineralogy, Suresh Palla, Suresh Vanguri, **Ramakrishna Singuru**, S K Chaturvedi, B N Mohapatra, **ASEAN Journal on Science and Technology for Development** 38 (2021) 103-108, (ISSN:0217-5460)
- Study the correlation of clinker quality, residue, PSD on the performance of Portland cement, Suresh Palla¹, Suresh Vanguri, **S Ramakrishna**, S K Chaturvedi¹, and B N Mohapatra, **International Journal of Advanced Research in Engineering and Technology** 12 (2021) 1-12, (ISSN: 0976-6480)
- Preparation and characterization of nitrogen doped $K_2M_2Ti_6O_{16}$ (M = Cr and Fe) with enhanced photocatalytic activity, **S Ramakrishna**, N Mahender , J R Reddy , Sreenu Kurra , E Nagabhushan & M Vithal, **Indian Journal of Chemistry** 54A (2015) 1026-1031, ISSN: 0975-0975 (Online), ISSN: 0376-4710 (Print)
- Preparation characterization and photocatalytic studies of $K_2Al_2Ti_6O_{16}$ and N- $K_2Al_2Ti_6O_{16}$ **S. Rama Krishna** P.Shrujana, Suresh Palla, K Sreenu, Radha Velchuri and M. Vithal, **Materials Research Express** 3 (2015) 2 035008, (ISSN: 2053-1591)
- Preparation, Characterization, Photocatalytic Studies of $Cr_2(MoO_4)_3$ and N-doped $Cr_2(MoO_4)_3$ Yadagiri Maralla, **S. Ramakrishna**, G.Ravi, Suresh Palla, Sreenu K, D. Jaya Prakash and M. Vithal, **Chemistry & Chemical Technology** 9(4) (2015) 391-399, (ISSN: 1996-4196)
- Synthesis of Cu^{2+} and Ag^+ doped $Na_2Ti_3O_7$ by a facile ion-exchange method as visible-light-driven photocatalysts, M. Vithal, **S. Rama Krishna**, G. Ravi, Suresh Palla, Radha Velchuri, Someshwar Pola, **Ceramics International** 39 (2013) 8429–8439, (ISSN: 0272-8842).

List of Books:

- Author and Editor of “**Green Chemistry and Nanotechnology**” (ISBN: **9789357376112**).
- Author and Editor “ **Haritha Rasayanasastarmu mariyu Nanotechnology**” (ISBN: **9789357684958**).
- Author and Editor of Environmental Education.

Technical Expertise:

- Analytical techniques such as UV-VIS spectroscopy, Powder X-ray diffraction, Fourier Transform Infrared spectra (FT-IR), Thermogravimetric analysis (TGA), UV-Vis Diffuse Reflectance Spectra (DRS) , Scanning Electron Microscopy-Energy Dispersive Spectra (SEM-EDS), ,Proton-Nuclear Magnetic Resonance (¹H-NMR) spectra, Liquid Chromatography-Mass Spectrometry (LC-MS) technique

Area of Interest:

- Photocatalysis
- Material Science
- Environmental Chemistry
- Isolation of natural products

Personal Profile: -

Name:	Dr. Ramakrishna Singuru
Father's Name:	Mr. S. Polinaidu
Mother's Name:	Mrs. S. Venkatamma
Date of Birth:	30-07-1987
Nationality:	Indian
Religion:	Hindu
Marital Status:	Married
Languages Proficiency:	English, Telugu

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

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