

CURRICULUM VITAE



Name (in Block Letters) : Dr CH SUDHAKAR REDDY

Date of Birth : 20-06-1978

Gender : Male

Marital Status : Married

Nationality : Indian

Category : OC

Place of work : University College For Women Koti, Osmania University, Hyderabad-95

Department & College : Chemistry & University College For Women Koti

Date of appointment : 29-08-2005

Current Designation : Assistant Professor (c)

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Academic Qualifications

Examination	Subject	Name of the Board / University	Year of Passing	Percentage of marks obtained	Division / Class / Grade
High School / Matric	Telugu, English, Hindi, Mathematics, Science and Social Studies,	Board of Secondary Education, Andhra Pradesh	1995	74.33	I
Intermediate	Maths, Physics and Chemistry	Board of Intermediate Andhra Pradesh	1997	65.4	I
Under Graduation	B Sc (Maths, Physics and Chemistry)	Osmania University	2000	71.88	I
Post-Graduation	M SC , CHEMISTRY (Physical Chemistry)	Osmania University.	2005	69.36	I
Other examination (if any)	B Ed (Physical Science)	Osmania University	2002	70.16	I

Research Degree (s)

Degrees	Title	Date and year of award	University
M.Phil.			
Ph.D	Facile ion exchange synthesis of Metal/Non-Metal ions doped phosphate materials: Photocatalytic Studies	17 th September 2016	Osmania University
Post Doctoral			
D.Sc. / D.Litt.			

Appointments held prior to joining the Osmania University service

Designation	Name of the Employer	Date of	
		Joining	Leaving

Teaching experience

P.G. level : 16 years 8 months

U.G. level : 16 years 8 months

Research Experience excluding years

spent in pursuing M.Phil. / Ph. D : 11 years

Fields of Specialization under the Subject / Discipline: Material Science

Orientation / Refresher Courses attended at Academic Staff Colleges

Name of the Course / Summer School	Academic Staff College / University/Others	Duration	Sponsoring Agency
Refresher Course in Material Sciences	Human Resource Development Centre (Academic Staff College) Osmania University, Hyderabad.	19 th December 2018 to 11 th January 2019.	

Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum”	Department of Chemistry, University College of Science, Osmania University Under the guidance of UGC-HRDC(Academic Staff College) OU.	13 th December 2018 to 18 th December 2018	
Faculty Enrichment Programme on Quantum mechanics	The Theresian Teaching Learning Centre and The Department of Chemistry and centre for research St. Theresa’s College (Autonomous) Ernakulam, Kochi.	18 th January 2021 to 23 rd January 2021	
National Faculty Development Programme on "Innovation and Intellectual Property Rights"	Chevalier T.Thomas Elizabeth College for Women Internal Quality Assurance Cell (IQAC) In association with CSIR — Institute of Minerals and Materials Technology Innovative Technology Enabling Center -InTEC, Bhubaneswar, Odisha, India	04 th October 2021 to 10 th October 2021	

Student related co-curricular extension and field based activities:

Academic Year (June 1 st of every	Discipline related co-curricular activities (e.g. remedial classes, career	Other co-curricular activities (cultural, sports, NSS, NCC,	Extension and dissemination activities (public /
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year -31 st May of every year)	counseling, study visit, student seminars and other events)	etc.)	popular lectures / talks / seminars, etc.)

Administrative Responsibilities held in the Department & Institution

Academic Year	Administrative Position Held
16 th November 2019 to 15 th November 2020	General Warden, College Hostels (University College of Science, Saifabad, Osmania University)

Paper Presentations in seminars, conferences

Academic Year	Title of the Paper presented	Name of the Event	Place
2015	Preparation, Characterization and Photocatalytic Studies of Cu ²⁺ , Sn ²⁺ and N ³⁻ doped K ₅ Sb ₅ P ₂ O ₂₀	International conference on Trend setting innovation in chemical sciences &Technology-Applications in Pharma Industry (TSCST-API 2015) (16 th -18 th December, 2015)	JNTUH Hyderabad
2016	Synthesis , Characterization and Photocatalytic Studies of Cation doped (Sn ²⁺ and Ag ⁺) Barium Tellurite Phosphate.	National Symposium on Recent Advances in Chemical and Material Sciences(RACMS-2016) (20 th -21 st August 2016)	Rajiv Gandhi University of Knowledge Technologies- Basar.Telangana.

2016	Cation and Anion substituted Potassium Manganese Phosphate, KMnP_3O_9 : Luminescence and Photocatalytic Studies	National Conference on “Nanomaterial Imperatives in the new Millennium(NINM-2016) (16 th -17 th October 2016)	K.K.H.A.Arts, S.M.G.L.Commerce & S.P.H.J.Science College, Neminagar, Chandwad, Dist- Nashik 423101 Maharashtra.
2017	Tailoring the Luminescence and Photocatalytic Activity of $\text{KMn}_4(\text{PO}_4)_3$ By Anions (N^{2-} & S^{2-}) doping	CONIAPS XX 20 th International conference of International Academy of Physical Sciences on “Recent Advances in Physical Sciences and Future Challenges. (14 th -16 th July 2017)	Faculty of Science(Department of Mathematics, Physics and Chemistry), Osmania University, Hyderabad
2018	Synthesis , Characterization and Photocatalytic Studies of Anion (N^{3-}) substituted Potassium Cobalt Phosphate, KCoP_3O_9	Second National Conference on Recent Advances in Applied Nano Materials (NCRAANM-2018) (16 th -17 th February 2018)	Department of Physics, University College of Science Saifabad, Osmania University, Hyderabad.
2018	Synthesis , Characterization and Photocatalytic Activity of Cations doped (Ag^+ and Sn^{2+}) Substituted $\text{BaTeMO}_4(\text{PO}_4)$ (M= Ta and Nb)	International Conference on Advanced Semiconductor Materials and Devices(ICASMD-2018) (8 th -10 th March 2018)	Centre for Materials for Electronics Technology (C-MET) Ministry of Electronics and Information Technology (MeitY) Government of India, Cherlapally, Hyderabad-500051.

Short term training courses, talks, Guest lectures

Academic Year	Title	Place and date

Research papers (in UGC recognized and Peer reviewed Journals)

Year	Title of the Paper	Journal Name	ISSN No.
2016	Photocatalytic degradation of Methylene blue and Methyl violet using cation doped (Sn^{2+} and Ag^+) barium tellurite phosphate, $\text{Ba}_2\text{TeO}(\text{PO}_4)_2$	Indian Journal of Chemistry	ISSN: 0975-0975 (Online) ISSN: 0376-4710 (Print)
2016	Preparation, characterization and photocatalytic studies of Cu^{2+} , Sn^{2+} and N^{3-} substituted $\text{K}_5\text{Sb}_5\text{P}_2\text{O}_{20}$	Journal of Chemical Sciences	ISSN : 0973-7103 (online) ISSN: 0974-3626 (print)
2016	Degradation of Methylene blue and Rhodamine B using a new visible light responsive photocatalyst, $\text{KSb}_2\text{PO}_{8-x}\text{N}_y$	Acta Metallurgica Sinica (English Letters)	ISSN : 1006-7191(online)
2016	Enhanced photoactivity of antimony phosphates by substitution of H^+ , Cu^{2+} and N^{3-} in the $\text{K}_3\text{Sb}_3\text{P}_2\text{O}_{14} \cdot x\text{H}_2\text{O}$ crystal lattice	Research on Chemical Intermediates.	ISSN : 1568-5675 (online) ISSN : 0922-6168 (print),
2016	A series of novel double perovskite oxides NaMTi_2O_6 (M =Eu, Sm, and Gd): preparation, characterization and photocatalytic studies under visible and solarlight irradiation.	Journal of Materials Science: Materials in Electronics	ISSN : 0957-4522(print). ISSN : 1573-482X(online)

2016	Facile room temperature ion exchange synthesis of H ⁺ doped KM _{0.33} Te _{1.67} O ₆ (M = Al, Cr and Fe) and their photocatalytic and conductivity studies	Advanced Materials Letters	ISSN : 0976-397X (online)
2016	Cation and Anion Substituted Potassium Manganese Phosphate, KMnP ₃ O ₉ : Luminescence and Photocatalytic studies	Photochemistry and Photobiology.	ISSN:1751-1097 (online)
2016	Synthesis, characterization and photocatalytic activity studies of tellurium containing defect pyrochlores, MSn _{0.5} Te _{1.5} O ₆ (M = K, Ag, Cu _{0.5} and Sn _{0.5})	Indian Journal of Chemistry-A	ISSN: 0975-0975 (Online) ISSN: 0376S-4710 (Print)
2017	Photocatalytic and DC conductivity studies of proton exchanged KAl _{0.33} W _{1.67} O ₆ and its application in Pb ²⁺ removal	Indian Journal of Chemistry-A	ISSN: 0975-0975 (Online) ISSN: 0376-4710 (Print)
2017	Tailoring the luminescence and photocatalytic activity of KMn ₄ (PO ₄) ₃ by Anions (N ³⁻ and S ²⁻) doping	Journal of Chemical Technology and Biotechnology	ISSN:1097-4660 (online)
2017	Low temperature synthesis of fluorite – type Ce based oxides of composition Ln ₂ Ce ₂ O ₇ (Ln = Pr, Nd and Eu): Photodegradation and luminescence studies	Journal of Chemical Sciences	ISSN : 0973-7103 (online) ISSN: 0974-3626 (print)
2018	Nanostructured KTaTeO ₆ and Ag-doped KTaTeO ₆ defect pyrochlores: Promising photocatalysts for dye degradation and water splitting	Electronic Materials Letters	ISSN : 2093-6788 (online) ISSN : 1738-8090 (print)
2018	Synthesis, characterization, luminescence and photocatalytic studies of layered perovskites	Indian Journal of Chemistry-A	ISSN: 0975-0975 (Online) ISSN: 0376-4710 (Print)

	NaMMgWO ₆ (M = La, Pr, Sm)		
2019	Enhancement of photocatalytic activity of sodium bismuth titanate by doping with copper, silver and tin ions	Zeitschrift für anorganische und allgemeine Chemie (Z. Anorg. Allg. Chem)	ISSN:1521-3749 (online)

Publications of articles in books, chapters in books

Year	Title of the Article/ Chapter	Title of the Book (editor name)	Publisher/Place	ISBN No.

Publications of Books

Year	Title of the Book	Publisher	Place	ISBN No.

Research Projects

Year	Title of the Project	Sponsoring Agency	Amount Sanctioned	Year of Completion

Research Guidance- No of Students

Year	No. of Students	Status of Research

Fellowships/Awards

Year	Fellowships/Awards from academic bodies / academic associations
2017	Telangana State Eligibility Test (TS-SET-2017) conducted by Osmania University.

27. Development of e-learning modules / material developed

Year	E-learning modules / material developed

28. Any other Information

Date : 08-02-2021

Place : Hyderabad



Signature