

DR.CH.CHAKRAPANI



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RESIDENTIAL ADDRESS:

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ACADEMIC QUALIFICATIONS: M.Sc.,M.Phil.,Ph.D

ACADEMIC REWARDS / ACHIEVEMENTS:

- **Young Scientist Award** at 28th Annual conference of Indian Council of Chemists, 2009, held at Hemchandracharya North Gujarat University, PATAN, Gujarat.
- **Best paper** award in a U.G.C. National Seminar on “Environmental Pollutants and the remedial methods for their control” 8th &9th February, 2010, held at Dharma Appa Rao College, Nuzvid.
- Acting as Reviewer to the Journal of Cleaner Production, Elsevier publications.
- Acting as Reviewer to the Chemical Science International Journal, Science Domain International
- Acting as Reviewer to the Journal of Advances in Research, Science Domain International and received “Certificate of Excellence in Reviewing” in 2018.

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assistant Professor of Chemistry	Gudlavalleru Engineering College	16/08/2011 to till date
Lecturer in Chemistry	Sai Degree College(P.G.Courses),	1/10/2009 to 15/08/2011
Lecturer in Chemistry	A.K.R.G. Degree college.	June,2003 to April,2004

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
NIL	NIL	NIL

SPECIALIZATION: Analytical and Environmental Chemistry

RESEARCH PAPERS / BOOKS:

BOOKS PUBLISHED IN PUBLICATIONS:

1. Activated Kaza's Carbons – Defluoridation of Potable Water. Monograph is printed by LAMBERT Academic Publishing Company, Amazon.com ISBN-13: 978-3-8465-4926-1; ISBN-10: 3846549266; EAN: 9783846549261.

PAPERS PUBLISHED IN JOURNALS:

1. Removal of rhodamine B from aqueous solution using low cost adsorbent. Chemical and environmental research. Vol. 16(1&2): 61-70, 2007. ISSN;0971-2151.
2. Removal of methylene blue by maize shell carbon. Indian Journal of Environmental Protection. Vol. 28(6): 547-553, 2008. ISSN;0253-7141
3. FT-IR studies on activated carbons prepared from sheaths of some citrus fruits. Asian Journal of Chemical and Environmental Research. Vol. 1(2-3): 7-11, 2008. ISSN;0974-3049
4. Preparation of new low-cost activated Kaza's carbons from biomaterials and their use as adsorbent in the removal methylene blue from aqueous solutions. Asian Journal of Chemical and Environmental Research. Vol. 2(3-4), 13-15, July–October, 2009. ISSN;0974-3049
5. FT-IR, TG, XRD and SEM studies of activated carbons prepared from agricultural waste. Asian Journal of Chemistry. Vol. 22, No.3, 1822-1828, 2010. ISSN0970-7077
6. Kinetic studies for the Removal of fluoride from aqueous solution by activated carbons as adsorbents prepared from biowaste materials. Journal of Indian Council of Chemists. Vol. 27.No.1, pp. 23-26, 2010. ISSN;0971-5037
7. Adsorption kinetics for the removal of fluoride from aqueous solution by activated carbon adsorbents derived from the peels of selected citrus fruits. E-Journal of Chemistry. 7(S1), S419-S427, 2010. ISSN;0973-4945
8. Equilibrium and kinetic studies of reactive Red 2 Dye Adsorption onto prepared activated carbons. Journal of Chemical and Pharmaceutical Research. 3(1):428-439, 2011. ISSN: 0975-7384
9. Utilization of prepared activated carbons in color removal of real textile effluent. Journal of Chemical and Pharmaceutical Research. 3(1):515-521. 2011. ISSN 0975-7384
10. Characteristics of Chemical Equilibrium, Kinetics and Mechanism of Sorptive Removal of Reactive Dye (Blue MR) Using Activated Carbons. Der Pharma Chemica, 3(1): 399-409, 2011. ISSN 0975-413X
11. Studies on sorption of fluoride by prepared activated Kaza's carbons. Der Pharma Chemica, 3(3): 73-83, 2011. ISSN 0975-413X
12. Preparation of activated Kaza's carbons from bio-materials and their characterization. International Journal of Applied Biology and Pharmaceutical Technology, Volume: 2: Issue-3: July-Sept -2011. ISSN 0976-4550
13. Equilibrium and kinetic studies of methylene blue and rhodamine B onto prepared activated Kaza's carbons. International Journal of Applied Biology and Pharmaceutical Technology, volume:2:Issue-4: 306-315, Oct-Dec-2011. ISSN 0976-4550
14. Sorption studies of Rhodamine B dye using newly prepared Kaza's carbons.

- Derpharma Chemica, 3(6):513-520, 2011.ISSN 0975-413X
15. Adsorption studies of methylene blue dye using prepared low-cost activated Kaza's Carbons. Journal of Chemical and Pharmaceutical Research, 3(5):363-375, 2011.ISSN: 0975-7384
 16. "Adsorption Kinetics of a Cationic Dye onto Indigenously Prepared Activated Kaza's Carbon" Journal of Applicable Chemistry, 3(6):2462-2469, 2014. ISSN: 2278-1862.
 17. "Preparation of Mesoporous Activated Carbon From Jackfruit PPI-1 Waste and Development of Different Surface Functional Groups" International Letters of Chemistry, Physics and Astronomy Vol. 54(2015) PP 189-200, ISSN : 2299-3843.(July).
 18. "Removal of Cationic Textile Dye (C.I. Number 11105) from Aqueous Solution by Adsorption on to Prepared Activated Carbon" International Journal of Chemical Science Review and Letters 2015, PP 4(14), ISSN : 2278-6783.(July)
 19. "Decolorization of Textile Effluents Applying Sequential Operation of Prepared Activated Carbons" *American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)*, Volume 14, No.3, PP 95-106 Nov (2015) .

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

LIST OF WORKSHOPS ORGANIZED: 01

- ❖ Two Day Workshop on "Emerging trends in Electrochemical Energy Generation, Storage & Photovoltaics" Conducted by Gudlavalleru Engineering College, Gudlavalleru on 19th – 20th March 2016.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- 1) State level seminar on 'Emerging trends in renewable energy sources' held at CH.S.D.ST.Theresa's College, Eluru. (UGC sponsored) 28-29th March, 2005. – **Attended.**
- 2) 24th Annual conference of Indian council of chemists held at BIT, Ranchi, 16-18th December, 2005. – **Presented paper.**
- 3) Regional seminar on 'Environmental pollution with special reference to pesticide pollution' held at P.B. Siddhartha College, Vijayawada. (UGC sponsored) 28-29th July, 2006. – **Presented paper.**
- 4) National seminar on 'Cyclone, Earthquake, Tsunami & Disaster Management' held at CH.S.D.ST.Theresa's College, Eluru. (UGC sponsored) 31st July and 1st August, 2006. – **Attended.**
- 5) 25th Annual conference of Indian Council of Chemists held at Birla College, Kalyan. 27-29th December, 2006. – **Presented paper.**
- 6) 26th Annual conference of Indian Council of Chemists held at Dr. H.S. Gour University, Sagar.26-28th February, 2008. – **Presented paper.**
- 7) Short - term Training Program on "Industrial Pollution Control (IPC)" held at Bapuji Institute of Engineering & Technology, Davangere, Karnataka. (Sponsored by AICTE–ISTE, New Delhi) 16-20th June, 2008. – **Attended.**
- 8) National Seminar on 'Environmental Pollution with special reference to water pollution' held at SIR C.R. Reddy College, Eluru. (UGC sponsored) 12th December, 2008. – **Presented paper.**
- 9) National seminar on 'Environmental Hazards and Sustainable Development' held at D.R.G. Govt. College, Tadepalligudem. 11th September 2009. – **Attended.**

- 10) 28th Annual conference of Indian Council of Chemists held at Hemachandaracharya North Gujarat University, Patan on 07th-10th November, 2009. –***Presented paper – Young Scientist Award.***
- 11) U.G.C. National Seminar on “Nano materials & their applications” held at Dharma Appa Rao College, Nuzvid, on 10th & 11th December,2009. – ***Presented paper.***
- 12) U.G.C. National Seminar on “Environmental pollutants and the remedial methods for their control” held at Dharma Appa Rao College, Nuzvid, on 8th and 9th February, 2010. – ***Presented paper – Best Paper Award.***
- 13) U.G.C. and APPCB National seminar on “Effect of Pollution on climatic changes” held at Sri Velagapudi Ramakrishna Memorial College, Nagaram, on 29th & 30th September, 2010. – ***Presented paper.***
- 14) International Conference on “Climate change - perspectives and projections – A systems Approach” held at Osmania University, Hyderabad, on 9-11th December,2010. – ***Presented paper.***
- 15) UGC sponsored National Seminar on “Environment-Health and Safety Management” held at CH. S.D. St. Theresa’s autonomous college for women, Eluru, on 22nd & 23rd July, 2011. – ***Attended.***
- 16) Two day workshop on “Natural Hazards-Role of Civil Engineers” conducted by the department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, Krishna District, Andhra Pradesh, on 24th & 25th August, 2012. – ***Attended.***
- 17) International symposium on “Current Trends in Environmental Toxicology and Experimental Therapeutics” held at Vikrama Simhapuri University, Nellore, on 18-19 December, 2012. – ***Presented paper.***
- 18) National seminar on “Modern Trends in Chemical Sciences” held at Acharya Nagarjuna University, Guntur, A.P., on 20th & 21st December, 2013. – ***Attended.***
- 19) National seminar on “Green Chemistry – Its Impact on Environmental Protection” held at Sir C. R. Reddy Autonomous College, Eluru, West Godavari District, A.P. on 6th February, 2014. – ***Presented paper.***
- 20) A one week Faculty Development Workshop on “Teaching and Learning Nano-Science and Technology through Hands-on Experiences”, Organized by Teaching – Learning Centre in association with Department of Chemistry, NIT Warangal, Sponsored by MHRD, Govt. of India under PMMMNMTT Scheme, 23rd - 27th June 2017. - ***Attended.***

CERTIFICATIONS: Nil

GUEST LECTURES DELIVERED: Nil

MEMBERSHIP IN PROFESSIONAL BODIES: Fellow of Indian Council of Chemists

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil

Online Courses:

1. Successfully completed a NPTEL online 8 week FDP course on Surface Engineering of Nanomaterials with a consolidated score of 81% (Elite + Silver, Topper Top 1%) during Jan-Mar 2019.
2. Successfully completed a NPTEL online 12 week FDP course on Non-Conventional Energy Resources with a consolidated score of 84% (Elite + Silver) during Jan-Apr 2019.
3. Successfully completed a NPTEL online 8 week FDP course on Solar Photovoltaics Fundamentals, Technology and Applications with a consolidated score of 54% during Jul-Sep 2019.
4. Successfully completed a NPTEL online 8 week FDP course on Nanotechnology, Science and Applications with a consolidated score of 60% (Elite) during Jul-Sep 2019.

Webinars:

1. One-day webinar on “Outcome Based Education Road-Map to E-Learning & Accreditation” organized by Quiklrn private Ltd. and Informatics Publishing Ltd. Bangalore on 29th May 2020. – Attended.
2. One-day webinar on “Impact of COVID in Engineering Education and way forward” organized by ISTE chapter, Gudlavalleru Engineering College, Gudlavalleru-521356 on 9th June 2020.-Attended.