

**: Dr.Ambedkar Government Arts College,
Vyasarpadi, Chennai -600039**

Department of Chemistry

- 1. Name** : Dr.R.KARTHIKEYAN
- 2. Designation** : ASSISTANT PROFESSOR OF CHEMISTRY
- 3. Date of Birth** : 02/06/1969
- 4. Community** : OC

5. Educational Qualifications

Degree	Month & Year	Institution	Specialization	Class
B.Sc.,	April 1989	Bharathidasan University	Chemistry	First
M.Sc.,	April 1991	Annamalai University	Organic Chemistry	First
Ph.D.	October 1999	Annamalai University	Chemistry	Awarded

6. Total Teaching Experience: UG: 18 years 06 months PG: 07 years

7. Research Experience: 10 years

8. Details of Guidance: Ph.D & M.Phil. Ph.D.: Nil M.Phil: Awarded - 01
In Progress – 01

9. Details of Publications in the National & International Journals

1. Kinetics of oxidation of some substituted 4-oxanones oximes by PCC in aprotic solvents, G.Mangalam,R.Karthikeyan and R.Arul, *Indian J. Heterocyclic Chem.*, 1994.
2. Steric effects on the oxidation of some substituted 4-oxanones by Pyridinium fluorochromate, R.Karthikeyan,G.Mangalam,and R.Gurumurthy, *Indian J. Chem.Sec.B*, 1995.
3. Stereochemical effects in Semicarbazone formation of some substituted 4-oxanones, R.Karthikeyan, G.Mangalam and R.Arul , *Indian J. Chem.Sec.B*, 1995.
4. Conformational effects upon the oxidation of some 4-oxanols by Pyridinium fluorochromate, R.Karthikeyan, G.Mangalam and RGurumurthy, *Indian J. Chem.Sec.B*, 1996.

5. Oxidative cleavage of some oxan-4-ones by acid permanganate - *Oxidation commun.*, R.Karthikeyan, G.Mangalam and R.Arul ,1997.
6. Structure reactivity correlations in the oxidation of some substituted oxan-4-ols by Pyridinium chlorochromate(PCC) - A Spectrophotometric study, R.Karthikeyan and G.Mangalam, *Indian J. Heterocyclic Chem.*, 1997.
7. Studies of electrical and humidity sensing properties of ternary mixture of some transition metal oxides S.Manivannan, R.Karthikeyan and Crystal Y.Wilson, *International Journal of Innovative Research in Science & Engineering* Vol.2 Special Issue 1(ICAN 2014), Article No.48,250-254(2014)
8. Kinetics and mechanism of oxidative decolourization of food dyes Tartrazine and Ponceou4R by Trichloroisocyanuric acid in aqueous acetic acid medium, R.Karthikeyan, S.Manivannan and S.Muthubharathi, *International Journal of ChemTech Research CODEN (USA): IJCRGG ISSN: 0974-4290 Vol.7, No.7, pp 2936-2941, 2015*

10. Details Conference/Seminar/Symposium/Workshop participated/presented paper

1. National Seminar on Correlation Analysis, Annamalai University, Annamalai Nagar, 1995.
2. Two day Advanced Training in "Modern Thin Layer Chromatography with introduction to High performance Thin Layer Chromatography in " Application Laboratory of Anchrom Lab Supplied (I) Pvt. Ltd. (Recognised by CAMAG, Switzerland), Bombay, Dec 1995.
3. One week Advanced Training programme on Gas Chromatography" conducted by Toshniwal Instruments (Bombay) Pvt. Ltd, & Chemito Instruments Ltd., Nasik, Maharashtra, during Dec. 1995.
4. UGC-DRS National Seminar on new trends in dynamic and structural studies in Inorganic and Physical Chemistry, Bharathidasan University,1995.
5. "Oxidative behaviour of some heterocyclic tertiary alcohols towards permanaganate", National Symposium on New Vistas in Chemical Sciences, Nawab Shah Alam Khan Centre, for postgraduate studies and Research, Hyderabad, 1995.
- 6.. Seminar on Current trends in pure, applied and Pharmaceutical Chemistry, Annamalai University, Annamalai nagar,1995
7. 14th National conference of Indian Council of Chemists, Institute of Science , Mumbai. 1995.
8. Kinetics of Chlorination of some subsituted oxan-4-ols by 1-Chlorobenzotriazole(CBT), Regional Symposium on current trends in Heterocyclic Chemistry, Gandhigram Rural Institute (Deemed University), Gandhigram, 1996.
9. "Steric effects upon the oxidation of some substituted oxan-4-ols by Mn(VII)" ,Conference on recent advances in Physical Organic Chemistry, VHNSN College, Virudhunagar, 1996.

10. Academy discussion meeting on Frontiers in Structural Chemistry, Indian Institute of Technology, Chennai, 1996.
11. UGC sponsored seminar on Recent trends in Pharmaceutical Chemistry, A.V.C.College (Autonomous) Mayiladuturai, 1997.
12. Programme on Exposure to Excellence (Horizon-97) , Regional Engineering College, Trichy, 1997.
13. UGC Sponsored seminar on Environmental Chemistry, A.V.C.College(Autonomous) Mayiladuturai, 1998.
14. "Analysis of H¹ NMR spectra of some substituted oxan-4-ones", National Conference on Social relevance of recent developments of advanced research in Chemistry, Bharathidasan University, Trichy, 1998.
15. National Seminar on Current trends in Chemistry, Annamalai University, Annamalai nagar, 1998.
16. UGC Sponsored seminar on recent trends in Industrial Chemistry, A.V.C.College, (Autonomous), Mayiladuturai, 1999.
17. Workshop on " Reaching Out-Community Outreach & Extension Services for College Teachers" organised by University of Madras in collaboration with Loyola College, Chennai, Sep 2008.
18. One day IUAC acquaintance programme on Accelerator based Science Technology, VIT, Vellore Oct 2009.
19. Refresher Course in NANOSCIENCES - Batch I (Multidisciplinary subjects) conducted by UGC - Academic Staff College, University of Madras, Chennai (Sponsored by UGC) for 21 days from 11.11.2009 to 01.12.2009.
20. Three day "International convention of Chemists" by Indian Chemical Society, Kolkatta at VIT, Vellore during Dec 2009.
21. Three day "Skill based Training programme (e-Literacy)" organised by ICT Academy of Tamilnadu & University of Madras , sponsored by Emerge Learning Services Ltd. March 2010.
22. FDP on "Interlectual Property rights - Concepts & Concern" organised by Academic Staff College, VIT University on 4 Sep 2010.
23. UGC Sponsored 'National Workshop for Research Guides', Pondicherry University, 23 & 24 SEP 2010.

24. Workshop on "ART OF SCIENTIFIC ARTICLE WRITING", Sponsored by TANCHE, Chennai, organised by Periyar E.V.R. College(Autonomous) Trichy, 11 & 12 March 2011.
25. Eleventh Conference of Tamilnadu Ariviyal Peravai, Gandhigram Rural University, June, 2011.
26. "Phytochemical and mycorrhizal studies on some Medicinal plants" -National Seminar of Enhancement of Quality in Research publications and Recent Research in water, Alternative Energy Resource, Materials and Health (CURIE'11), and acted as Judge for Poster presentation of papers, Auxillium College(autonomous) Vellore. Dec 2011.
27. National Seminar on Frontiers in Green Chemistry, Quiad-E-Millath Govt. College for Women,(Autonomous), Chennai, 25 Jan 2012.
28. UGC sponsored National Seminar on Thrust areas in Chemistry (STAC-2012), Government Arts College(Men), (Autonomous), Nandanam, Chennai, 16 Feb. 2012.
29. National symposium on the Focal theme SCIENCE FOR SHAPING FUTURE INDIA, organised by Indian Science Congress Association, Chennai Chapter at CLRI, Chennai, 17 & 18 Dec 2012.
30. DST sponsored training programme on " Communication and Presentation skills for Scientists / Technologists, Institute of Management, Training and Research, Goa, 21-25 October 2013.
31. NUEPA sponsored National Seminar on Changing Paradigms of Higher Education: XII Five Year Plan Initiatives. St. Alusius College(Autonomous) Mangalore, Karnataka., 01 December 2013.
32. University of Madras, Department of Inorganic Chemistry Organized International Conference on Advances in New Materials ICAN 2014 participated and presented a paper during 20th and 21st June 2014 at University of Madras, Chennai-600025, Tamilnadu.
33. UGC sponsored International Conference on Energy, Water and Environmental Science & Technology (ICEWEST - 2015), 5th & 6th February 2015, Presidency College(Autonomous), Chennai.

11. Details of books published: NIL