

Dr. C. VIJAYARAJ, M.Sc., M.Phil., Ph.D.,

Designation : Assistant Professor (Stage-III) and Head
Department : Chemistry
Subject Interest : Organic Chemistry
Specialization : Phytochemistry



DETAILS OF PROFESSIONAL AND RESEARCH EXPERIENCE (SPECIFYING PERIOD)

Lecturer in Chemistry

Institute : H. H. The Rajah's College (AU), Pudukkottai
Period : July 2004 to September 2008
Teaching Areas : Organic Chemistry and Inorganic Chemistry

Assistant Professor

Institute : Thiru. Vi. Ka. Government Arts College, Thiruvarur
Period : October 2008 onwards
Teaching Areas : Organic Chemistry and Inorganic Chemistry

Assistant Professor and Head

Institute : Thiru. Vi. Ka. Government Arts College, Thiruvarur
Period : September 2009 to July 2010 and July 2018 onwards
Teaching Areas : Organic and Inorganic Chemistry
Research Areas : Phytochemistry, Crystal Growth and Nano Science

ACADEMIC PROFILE

Ph. D.

University : Bharathidasan University
Main Subject : Chemistry
Year of Awarded : June 2019
Grade : Commended
Research Supervisor : Dr. S. Senguttuvan
Title of the thesis : Phytochemical and Pharmacological Studies on Indian Medicinal Plants

M. Phil.

University : Bharathidasan University
College : St. Joseph's College, Trichy
Main Subject : Chemistry
Year of Passing : March 2005
Marks : First Class
Supervisor : Dr. N. Mathiyazhagan
Title of Dissertation : Kinetics and Mechanism of Oxidation of Aromatic aldehydes by N-Chloronicotinamide in Aqueous acetic acid medium using Potentiometric Method.

M. Sc.

University : Bharathidasan University
College : Khadir Mohideen College, Adirampattinam
Main Subject : Chemistry
Year of Passing : April 2003
Marks : First Class

B. Sc.

University : Bharathidasan University
College : Thiru. Vi. Ka. Government Arts College, Thiruvarur
Main Subject : Chemistry
Year of Passing : April 2001
Marks : First Class

H. Sc.

Board : Board of Higher Secondary Education, Tamil Nadu
Main Subject : Science and Mathematics
Year of Passing : March 1998
Marks : First Class

S. S. L. C.

Board : Board of Secondary Education, Tamil Nadu
Main Subject : General
Year of Passing : March 1996
Marks : First Class

PUBLICATIONS - ARTICLES PUBLISHED IN JOURNALS

1. C. Vijayaraj *et al* "Kinetics and Mechanism of Oxidation of Aromatic Aldehydes by N-Chloronicotinamide in Aqueous Acetic Acid Medium", **Orient Journal of Chemistry**, 21(1), 125-128, 2005.
2. C. Vijayaraj *et al* "Mechanistic Studies of Copper (II) ion Adsorption on Activated Pongamia Pinnata Shell Nano Carbon", **European Journal of Environmental Ecology**. 2(1), 21-28, 2015.
3. C. Vijayaraj *et al* "Nucleation Kinetics of Various Proportions of Urea-Thiourea Mixed Crystal in Water-Methanol", **International Journal of Chemical and Pharmaceutical Sciences**. 6(4), 27-31, 2015.
4. C. Vijayaraj *et al*, "Synthesis Growth and Characterization of a New NLO material: L-Threonine Lithium Chloride", **Inter. J. of Chemical and Pharmaceutical Sciences**, 6(4), 23-26, 2015.
5. C. Vijayaraj *et al*, "Fabrication of Hydroxyapatite Nanorods from Land-Snail Shell (*Helix pomatia*) Assisted by Microwave Irradiation", **Indo - Asian, J. of Multidisciplinary Research**, 1(4), 345-354, 2015.
6. C. Vijayaraj *et al*, " Synthesis Growth and Characterization of a New NLO material: L-Threonine Manganese Chloride", **Indo - Asian, J. of Multidisciplinary Research**, 2(2), 555-560, 2016.
7. C. Vijayaraj *et al*, " Synthesis Growth and Characterization of a New NLO material: L-Threonine Lead Chloride", **Indo - Asian, J. of Multidisciplinary Research**, 2(4), 668-672, 2016.
8. C. Vijayaraj *et al*, " Anti-inflammation Activity of 3'-methoxy quercetin-3-O-rutinoside isolated from *Ipomoea sepiaria*", **International Journal of Science and Research**, 5(11), pp. 948-952, 2016.
9. C. Vijayaraj *et al*, "Isolation, Identification and Anti-Diabetic Activity of Quercetin-3-O-Rutinoside-7-O-Rhamnoside Extracted from *Cyperus rotunds*", **Indian Journal of Research**, 5(11), pp. 121-126, 2016.
10. C. Vijayaraj *et al*, " Anti-Ulcer Activity of Baicalein-7-O-glucuronide Isolated from *Persicaria glabra* flowers against pyloric ligation induced ulcer in albino rats", **International Journal of Advanced Research**, 5(4), pp. 2085-2092, 2017.
11. C. Vijayaraj *et al*, " Chemical Composition and Anti-Inflammatory Activity of Apigenin-7-O-(6''-O-caffeoyl)- β -D-glucopyranoside Extracted from *Cissus quadrangularis*.", **International Journal of Advanced Research**, 5(6), pp. 1929-1934, 2017.

12. C. Vijayaraj *et al* Synthesis, Characterization of Silver Doped Nano Hydroxyapatite Using Land Crab Shell Assisted by Microwave Irradiation, Journal of Information and Computational Science, 10(1), 1211-1220, 2020, <http://www.joics.org/gallery/ics-2227.pdf>. ISSN NO: 1548-7741.
13. Antibacterial Activity, Structural, Optical And Morphological Properties Of Al Doped Zno Nanoparticles Synthesized By Sol-Gel Method, C.Vijayaraj, G. Nedunchezian, S. Sozhaveni, International Journal of Scientific & Technology Research, 9(2), 5565-5570, 2020. <http://www.ijstr.org/paper-references.php?ref=IJSTR-0220-30507>, ISSN NO: 2277-8616.
14. Microwave Synthesis Of Lanthanum Doped Nano Hydroxyapatite Prepared From Duck Egg Shell, G. Nedunchezian, C.Vijayaraj , D. Benny Anburaj, International Journal of Scientific & Technology Research, 9(2), 5673-5676, 2020. <http://www.ijstr.org/paper-references.php?ref=IJSTR-0220-30893>, ISSN NO: 2277-8616.
15. Synthesis, Characterization of Silver Doped Nano Hydroxyapatite Using Land Crab Shell Assisted by Microwave Irradiation, G. Nedunchezian, C.Vijayaraj , D. Benny Anburaj, Journal of Information and Computational Science, 10(1), 1211-1220, 2020, <http://www.joics.org/gallery/ics-2227.pdf>. ISSN NO: 1548-7741.
16. Fabrication and characterization, antimicrobial study of silver doped nano hydroxyapatite from wet land crab shell (cardisoma), G. Nedunchezian, C.Vijayaraj, D. Benny Anburaj, journal of the maharaja sayajirao university of baroda, volume-55, no.1 (ii) 2021, 5-10.

CHAIR PERSON, POSTERS, PAPERS PRESENTED AND PARTICIPATED IN NATIONAL AND INTERNATIONAL LEVEL CONFERENCE

1. Presented the papers in the U.G.C Sponsored National Level seminar at Jamal Mohamed College, Trichy held on 24& 25 September 2004.
 - ✚ Kinetics and Mechanism of Oxidation of Aromatic aldehydes by N-Chloronicotinamide in Aqueous Acetic Acid Medium by Potentiometric Method.

2. Presented the paper in the National level seminar at St. Joseph's College, Trichy. Held on 10 & 11 Jan, 2005.

✚ Kinetics and Mechanism of the Oxidation of Secondary alcohols by 1-Chlorobenzotriazole.

3. Participated in "National Conference on Recent Trends in Organic Synthesis" at Bharathidasan University, Tiruchirappalli. Held on 24-26 February 2011.

4. Participated in one day Seminar on "Research Methodology" at Anna University of Technology, Tiruchirappalli. Held on 27 th August, 2011.

5. Participated in the "International Conference on Emerging Green Technologies" at Periyar Maniammai University, Vallam, Thanjavur, Tamilnadu. Held on 27 - 30 July, 2011.

6. Participated in the "International Conference on Biological Inorganic Chemistry" at Periyar University, Salem, Tamil Nadu, held on February 20-22, 2013.

7. Participated in the Science Academies' Lecture Workshop on Frontiers in Bioscience (FIBS) at Mannai Rajagopalasami Government Arts College, Mannargudi, Tamil Nadu, held on 11-13th July 2016.

8. Participated in the "TEQIP - II Workshop on Statistical and Materials Science (SPMS - 2016)" at National Institute of Technology, Tiruchirappalli, Tamil Nadu, held on 21-23, July 2016.

9. Participated in the "National Seminar on Innovative Researches in Chemical Science" at Khadir Mohideen College, Adirampattinam, Thanjavur, Tamil Nadu, held on 25th September 2016.

10. Participated in the "International Conference on Nanomaterials and Molecular Research (ICNMR)" at St. Joseph's College of Arts and Science (Autonomous), Cuddalore, Tamil Nadu, held on 8-9th December 2016.

11. Participated in the "International Conference on Chemical and Environmental Research (ICCER)" at Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu, held on 7th January 2017.

12. Participated in the “State Level Seminar on Emerging Trends in Chemistry 9ETC 2017” at AVVM Sri Pushpam College (Autonomous), Pooondi, Thanjavur (Dt), Tamil Nadu, held on 29th August 2017.
13. Participated in the “International Conference on Recent Trends in Synthetic Methods and Material Chemistry (RTSMC-2018)” at Annamalai University, Annamalai Nagar, Tamil Nadu, held on 2nd and 3rd February 2018.
14. Participated in the “One Day Seminar on Recent Trends in Science-2K18” at Swami Dayananda College of Arts and Science, Manjakkudi, Thiruvarur, Tamil Nadu, held on 28th February 2018.
15. Paper Presented in the “International Conference on Frontier Areas in Chemical Technologies (FACTs-2019)” at Alagappa University, Karaikudi, Tamil Nadu, held on 25th and 26th July 2019.
16. Paper Presented in the “International Conference on Emerging Trends & Innovations in Chemistry (ETIC-2019)” at Sengamala Thayaar Educational Trust Women’s College, Mannargudi, Tamil Nadu, held on 20th August 2019.
17. Participated in the National Workshop on “Assessing Quality in Higher Education” at Central University of Tamil Nadu, Thiruvarur, Tamil Nadu, held on 19th and 20th September 2019.
18. Paper Presented in the “National Conference on Emerging Trends in Material Science (NCETMS - 2019)” at Government Arts College, Thiruvannamalai, Tamil Nadu, held on 26th and 27th September 2019.
19. Chair Person in the “National Conference on Emerging Trends in Material Science (NCETMS - 2019)” at Government Arts College, Thiruvannamalai, Tamil Nadu, held on 26th and 27th September 2019.

CITATION INDICES DETAILS (REFER GOOGLE SCHOLAR FROM (2015-2019))

Publications

: 16

Citations	: 07
h -index	: 02
i 10-index	: --

BOOKS PUBLISHED

1. A Text book on “Organic and Inorganic Practical Chemistry” for PG Students for all universities which is published by Radha Publication, Madurai 2008.

MEMBERSHIP IN BODIES ON EDUCATION AND NATIONAL DEVELOPMENT

- ✚ Member RUSA Programme, at Thiru.Vi.Ka.Government Arts College, Thiruvarur, (2014-2015)
- ✚ Approved Guide in Vinayaga Mission University for M.Phil, Programme in Chemistry. (2008 Onwards)
- ✚ Served as an Examiner for U.G Theory and Practical examinations of the Bharathidasan University from 2008 to till date.
- ✚ Life Member, Society for Advancement of Chemical Sciences and Education, IGCAR, Kalpakkam, 18.02.2021 onwards.

POSITION HELD / LEADERSHIP ROLE PLAYED

- ✚ Served as a YRC Programmer Officer from 2012 to 2015 at Thiru.Vi. Ka Government Arts College, Thiruvarur.
- ✚ Served as a NSS Programmer Officer (Unit-I) at Thiru. Vi. Ka Government Arts College, Thiruvarur from 2016 onwards.
- ✚ Served as a Additional Chief Superintendent of Examinations for Central University Entrance Examination April 2010 at Central University of Tamilnadu, Thiruvarur.

- ✚ Served as a Additional Camp Officer for the Central Valuation of Bharathidasan University Examinations Answer Papers of April 2014 Examinations at Thiru.Vi.Ka Govt Arts College, Thiruvarur-610003.
- ✚ Served as a Chief Invigilator for TNPSC GROUP-II Examination October 2018 at Thiru. Vi. Ka. Govt. Arts College, Thiruvarur - 610003.
- ✚ Served as a Chief Invigilator for TNPSC Departmental Examinations June 2019 at Thiru.Vi.Ka.Govt.Arts College, Thiruvarur - 610003.
- ✚ Served as a Additional Chief Superintendent of Examinations for Bharathidasan University Examination April (Nov) 2020 at Thiru. Vi. Ka. Govt. Arts College, Thiruvarur - 610003.

INVITED GUEST LECTURES

- ✚ Served as a Resource person for the PG Science Teachers Orientation Programme organized by SCERT held at Veludayar College of Education, Thiruvarur on 04.09.2013 to 05.09.2013.

AWARDS

- ✚ Received a Dr. Radha krishnan Best Teacher State Award-2019 from BSA at Bahujana writer's state conference, Thanjavur, Tamil Nadu on 25th August 2019.

DETAILS OF SEMINARS, CONFERENCE, SYMPOSIUM AND INVITED LECTURE ORGANIZED

- ✚ Organizing Secretary for Invited Lecture on “Enzymes in Organic Synthesis: Inspiration from Nature! “at Thiru. Vi. Ka. Govt. Arts College, Thiruvarur, Tamil Nadu, held on 30th August 2019.
- ✚ Organizing Secretary and Convener for Symposium on “Emerging Trends in Chemistry (ETC - 2019) “at Thiru. Vi. Ka. Govt. Arts College, Thiruvarur, Tamil Nadu, held on 23rd September 2019.
- ✚ Convener for National Conference on “Recent Trends in Material Science (NCRTMS-2020)” at Thiru.Vi. Ka.Govt. Arts College, Thiruvarur, Tamil Nadu, held on 14th February 2020.

TRAINING PROGRAMME

Orientation Course (UGC Sponsored)

Place : Academic Staff College,
University of Madras, Chennai.

Duration : 13.10.2008 to 08.11.2008

Refresher Course in Chemistry (UGC Sponsored)

Place : Academic Staff College,
Bharathiar University, Coimbatore.

Duration : 06.09.2011 to 26.06.2011

Refresher Course in Instrumentation Science (UGC Sponsored)

Place : Academic Staff College,
University of Madras, Chennai

Duration : 28.11.2013 to 18.12.2013

Refresher Course in Environmental Studies (UGC Sponsored)

**Place : Human Resource Development Centre,
Bharathiar University, Coimbatore.**

Duration : 04.07.2018 to 24.07.2018

Short Term Course on Disaster Management (UGC Sponsored)

**Place : Human Resource Development Centre,
Bharathiar University, Coimbatore.**

Duration : 04.12.2019 to 10.12.2019

Online STC on "MOOCs, e-Content Development and Open Educational Resources" (UGC Sponsored)

**Place : Human Resource Development Centre,
Jawaharlal Nehru Technological University, Hyderabad.**

Duration : 13.07.2020 to 18.07.2020

TEACHING EXPERIENCE FROM 2004 TO TILL DATE

Total Teaching Experience : 16 years

Under Graduate : 16 years

Post Graduate : 14 years

PERSONAL DETAILS

Name : Dr. C. VIJAYARAJ

Gender : Male

Date of Birth : 25.07.1981
Age : 39 years
Place of Birth : Peralam
Marital Status : Married
Residential Address : No. 276, North Street,
Pathiniyapuram, Anaikuppam (Po),
Nannilam (Tk), Pin: 610105
Thiruvarur (District), Tamil Nadu, India.
Mobile: 9894327491.

Official Address : Assistant Professor (Stage-III) and Head,
PG and Research Department of Chemistry,
Thiru. Vi. Ka. Government Arts College,
Thiruvarur - 610 003, Tamil Nadu, India.
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: cmvijaychem@yahoo.co.in
: cmvijaychem@rediffmail.com

Web : <http://www.thiruvikacollege.co.in>