

Faculty Profile



Name : **Dr. J. BALAMANI**
Designation : Asst. Professor of Chemistry
Address : Chikkanna Govt. Arts College, Tirupur -641602.
Contact Number : 9942510532
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Date of Joining in Collegiate Education : 28.02.2011
Date of Joining in the Present College : 10.08.2012

Academic Profile

Degree	Institute/College	University	Period
B.Sc., Chemistry	P.S.G.R. Krishnammal College, Coimbatore	Bharathiar University	1984-1987
M.Sc., Chemistry	P.S.G.R. Krishnammal College, Coimbatore	Bharathiar University	1987-1989
M.Phil. Chemistry	P.S.G.R. Krishnammal College, Coimbatore	Bharathiar University	1989-1990
B.Ed. Eng/Phy.Sc.,	Correspondance Course	Madurai Kamaraj University	1992-1993
Ph.D Chemistry	Kongunadu Arts & Science College, Coimbatore	Bharathiar University	2000-2009
SLST	Chemical Sciences	University of Madras	1991

Teaching Experience

i) **Total** : **29 Years 6 Months**
ii) **UG** : 29 Years 6 Months
iii) **PG** : 12 Years 8 Months

Name of the college	Position held	Period
Nirmala College for women, Coimbatore.	Lecturer	Jan 1994 - Apr 1994
PSG College of Technology & Polytechnic, Coimbatore.	Lecturer	Aug 1994 - Apr 1995
Sree Narayanaguru College, Coimbatore.	Lecturer	Sep 1995 - Feb 2011
N.K.R. Govt. Arts College for women, Namakkal.	Asst. Professor	28.02.2011 - 10.08.2012 (FN)
Chikkanna Govt. Arts College, Tirupur-641602.	Asst. Professor	10.08.2012 (AN) – Till date

Honors and Research Awards :

- Add on course Co-ordinator, (2008-2011 in SNGC, Coimbatore)
- Recognised Research Supervisor (1994-till date),
- Member of Board of Studies and commission member of Bharathiar University
- Member of Question Paper Setting Boards of other Universities and Autonomous Colleges - Sacred Heart College, Vellore Dt-635601.

Field of Interest

- i) **Teaching** : Organic Chemistry
 ii) **Research** : Organic Chemistry

Research Guidance

Guidance Number : M.Phil / Ph.D 21158-23764/A2/2009 Dt 08.12.2009.

S. No	M.Phil/ Ph.D	Name of the Student	Thesis Title	Completed/ ongoing
1.	M.Phil	P.SUNDARRAJ	SYNTHESIS , BIOLOGICAL EVALUATION AND MOLECULAR DOCKING STUDIES OF 5-(3,4)- METHYLENEDIOXY PHENYL)-2,4-PENTADIENOIC ACID DERIVATIVES AS POTENT ANTIMICROBIAL AND CYTOTOXICITY AGENTS	Completed, May, 2019.

Funded Projects : Nil

Membership in Professional Bodies : Nil

Research Publications

- i) **Research Papers** : See Annexure – I
 ii) **Book/Book Chapters** : Nil

iii) National and International Conferences : See Annexure – II

Faculty Development Programs Attended :

Course	University/Institute	Subject	Period
Orientation course	University of Madras, Chennai.	General	May 04 - June 02, 2011
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore.	Chemistry	Nov 06 – Nov 26, 2014.
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore.	Environmental studies	July 04 - July 24 , 2018.
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore.	Women studies and Gender sensitization	Nov 20 – Dec 3 , 2019.
Refresher course	HRDC., Aligarh Muslim University, Aligarh	Teacher Education	Aug 21-Sep 04 2021

Academic Activities

i) Subject Handled

- Organic Chemistry, Analytical Chemistry, Polymer Chemistry, General Chemistry, Inorganic Chemistry, Allied Chemistry, Physical Chemistry Laboratory and All Practical courses.

ii) Class Advisor

- 2014-2017 Batch B.Sc., Chemistry
- 2020-2022 Batch M.Sc., Chemistry

iii) Student Community Beneficial Activities

- Acted as Judge for Science Exhibitions held at various Government Schools, conducted by the Govt. of Tamilnadu.
- Member of Internal Complaints Committee , Chikkanna Government Arts College , Tirupur

iv) Co-curricular and extra-curricular activities

- Volley ball player
- Guides

Professional Activities

Reviewer: Nil

Examiner:

- Bharathiar University theory and practical External Examiner.
- Theory and practical External Examiner for Autonomous Colleges.

Annexure – I

Research Papers

PAPERS PUBLISHED IN NATIONAL JOURNALS:

- Published a paper entitled “Microwave assisted synthesis of 1-Oxo-1,2,3,4- tetrahydrocarbazole and benzocarbazole” in indian journal of heterocyclic chemistry (july 2010)
- Published a paper entitled “Microwave assisted synthesis of khaplofoline” in indian journal of heterocyclic chemistry(july 2010)
- Published a paper entitled “synthesis and analgesic activity studies of simple new aspirin encephalin analogues” in Hygeia jornal (October 2011)
- Published a paper entitled “synthesis and user reducing activity studies of some peptide derivatives of aspirin” in Hygeia journal (october2011)
- Published a paper entitled “characterization and biological evaluation of silver nano particles synthesized by leaf extracts of ipomoea pes-caprae (l) R.Br in 2018 JETIR December 2018,Volume 5,Issue 12.
- Published a paper entitled “ a potent cytotoxicity and antimicrobial activity of zinc oxide nano particles synthesized by leaf ipomoea pes-caprae (l) R.Br in Asian journal of Pharmaceutical and clinical research, volume 12,Issue 5,2019.
- Published a paper entitled “synthesis and biological evaluation of 5-(3,4-Methylenedioxyphenyl)-2,4-Pentadienoic acid derivatives as potent antimicrobial and cytotoxicity agents in IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN: 2278-5736,Volume 11,Issue 5,Version 1(May .2018),PP 51-57.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:

- Published a paper entitled “synthesis of peptide derivatives of aspirin and their antibiogram” in international journal of biological and chemical sciences (August 2009)
- Published a paper entitled Determination of bioactive compounds from the hexane extract of ipomoea pes caprae (l) r Br by GC MS analysis in international journal of Recent Research Aspects pp 439-446 April 2018.
- Published a paper entitled phytochemical evaluation of leaf and stem of ipomoea pes caprae (l) r Br .,Int.J.Adv.Res.7(1),139-149 Nov 2018.

ANNEXURE II

WORKSHOP:

- Participated in the workshop on “spectroscopy and its applications” held at KASC, Coimbatore on 26th&27thfeb 2015.
- Participated in the regional workshop on “innovative teaching in chemistry” organized by the department of chemistry, nirmala college on 7thdec 2007.
- Participated in the science academics sponsored two days lecture program on “advances in chemistry” on 7th&8thOctober 2010 organized by department of chemistry, PSGR Krishnammal college for women.
- Participated in one day introduction of orientation on lead india 2020 held at PSG college of Technology on 4thsep 2010.
- Refresher course in IT from 9th to 29th Nov 2004 in ASU, BU
- Attended 39th orientation course in ASU, BU.

SEMINAR:

- Presented a paper entitled “automobile pollution and its management” in the state level seminar on environment issues, challenges and realities in the new nuillennium on 18th march 2000 at Gobi Arts and Science .
- Participated in the one day state level seminar on chemistry and society “organized by the department of chemistry, Nirmalacollege for Womenon 12th September 2001.
- Presented a paper an ground water countamination in national seminar “on water vision 2004” on 8thoct 2004 in PSGRkrishnammal college for women .
- Participated a one day VGC sponsored state level seminar on “green energy for sustainable living” on 5th august 2005 at nirmala college for women.
- Attended the two days national seminar on “Recent advances in chemistry” held at PSGR Krishnammalcollege for women on 16th& 17th Dec 2005.
- Participated in a regional seminar on “expanding frontiers in chemistry” held in ADU on 23 Mar 2006.
- Presented a paper on “synthesis and analgesic activity of tetrapeptide derivatives” on 1st& 2nd Mar 2007 in Nirmala college for women in the National seminar as “recent trends in chemistry”
- Presented a paper entitled “synthesis and spectral studies of peptide amides of aspirin” in the UGA sponsored national seminars on “recent development in green chemistry” SRM CAS.
- Presented in the UGA sponsored seminar on “food quality and safety” organized by the department of chemistry, Nirmala college on 9th Jan 2009.
- Participated in the national seminar on “recent advances in nanoscience” on 16th and 17thdec 2009 in PSGR krishnammal college.
- One day seminar on NAAC bench marfeiy pointers organized by IQAC,CGAC, tirupur,tamilnadu.
- Presented a paper in UGC sponsored one day national level seminar on emerging trends in frontiers of Chem on 30th DEC 2014.

SYMPOSUIM&CONFERENCE:

- Presented a posteur in KSAC in the UGA sponsored sepoinal symposium on current trends in chemistryon 10thsep 2004.
- Participated in the one day symposium on industrial chemistry at PSGR krishnammal college for women on 12th Feb 2004.

- One day conference on “ intelligent drug discovery methods” on 16th Nov 2007 conducted by dept of biotechnology, PSG college of technology, Coimbatore.
- Participated in the national conference on “issues in higher education” on 29 Oct 2010 at Dr. N.G.P college of arts and science.
- Presented a paper entitled “synthesis and histopathological study of peptide amides of aspirin” in the UGC-XI plan-UGC-SAP-DRS II sponsored National conference on current trends in chemistry on 2nd and 3rd Dec 2010 at Bharathiyar university.
- Refresher course in chemistry held from 6th Nov 2014-26 th Nov 2015 conducted by UGC-ASU,BU, Coimbatore -46, tamilnadu.
- Orientation course (intensive training program) held from 4-5-11 to 2-6-11 conducted by Tamilnadu state council for higher education and UGA-ASC university of madras.

PAPER PRESENTATION:

- “Automobile Pollution and its maintenance” in gobi arts and science college, Gopichettipalayam
- “Ground Water Contamination” in PSGR Krishnammalcollege for Women, Coimbatore.
- “Synthesis and biological Activity of tetra peptide derivatives of Aspirin” in Nirmala College for Women, Coimbatore.
- “synthesis and spectral of peptide amides of aspirin” in Nirmala College for women, Coimbatore.
- “synthesis and spectral studies of peptide amides of aspirin” in sri Ramakrishna MissionVidyalaya college of Arts and science, Coimbatore.