



Dr. P. BOOMI
Assistant Professor

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D

Degree	Year of Passing	University / Institute
B.Sc Chemistry	2003	Madurai Kamaraj University
M.Sc Chemistry	2007	Alagappa University, Karaikudi
M.Phil Industrial Chemistry	2008	Alagappa University, Karaikudi
Ph.D chemistry	2014	Alagappa University, Karaikudi

Teaching Experience: 1.8 Years

Designation	Institution	Department	Duration
Assistant Professor	Aalagappa University	Bioinformatics	Dec 2015 to till date

Research Experience: 5 years and 7 months

Additional Responsibilities:

S.No.	Position - Dept. of Bioinformatics	Organization
1	Co-ordinator, coaching for competitive exams (NET/SET/GATE/BINC etc.) (Dec-2016 to May-2017)	Alagappa University
2	Co-ordinator, Industry Linkage (Dec-2016-till date)	Alagappa University
3	Coordinator, IQAC (July- 2017- till date)	Alagappa University
4	Coordinator, VVP/NSS (Dec-2016 toMay-2017)	Alagappa University
5	Co-ordinator, Remedial coaching class (Dec-2016 toMay-2017)	Alagappa University
6	Member, Employability skills/career guidance (Dec-2016 toMay-2017)	Alagappa University
7	Member, Purchase Committee (Dec-2016-till date)	Alagappa University
8	Member, Research Committee (Dec-2016-till date)	Alagappa University
9	Member, Curriculum Development	Alagappa University
10	Member, Examination Board	Alagappa University

Areas of Research

1. Nano material and polymer synthesis
2. Electrochemistry
3. Bio-inorganic chemistry
4. Antimicrobial activity
5. Anticancer activity
6. Nano drug delivery

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	-
	M.Phil.	-	-
Project	PG	2	-
	Diploma	1	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Book-Chapters
7	02	-	-	1

Cumulative Impact Factor (as per JCR)	:	22.723
h-index	:	5
i10 index	:	5
Total Citations	:	146

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	-	-	-	-	-
2	-	-	-	-	-

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	-	-	-	-	-
2	-	-	-	-	-

Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	-	-	-	-	-
2	-	-	-	-	-

Others: Nil

Note: Budget must be rounded to two decimal places

Patents-Nil

Distinctive Achievements / Awards

1. **JRF**-Project Assistant -CSIR, CECRI, Karaikudi (2009)
2. **Junior Research Fellow**- (UGC-BSR, New Delhi)-Alagappa University, Karaikudi (2011-2013)
1. **Senior Research Fellow**- (UGC-BSR, New Delhi)-Alagappa University, Karaikudi, (2013-2014)
2. **Research Associate**-CSIR, New Delhi (2015)

Events organized in leading roles

Number of Seminars cum Workshops:

1. Organizing Committee Member in 8th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"[SBCADD'2016], at Alagappa University, Karaikudi.
2. Organizing committee member in 9th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2016], at Alagappa University, Karaikudi.

Events Participated

Conferences / Seminars / Workshops:

1. International conference on Frontiers in Chemical Science, Madras Christian College, Chennai, October, 2nd-4th, 2008.
2. International conference on Materials for the Millennium (MATCON-2010), Cochin University of Science and Technology, Kerala, January, 11th-13th, 2010.
3. International conference on Nanomaterials and Nanotechnology (NANO-2010), K.S.R. Technology, Trichangode, December, 13th-16th, 2010.
4. International conference on Advanced Materials and its Applications (ICAMA-2011), Kalasalingam University, Krisnankovil, March, 4th-5th, 2011.
5. International conference on Advanced Polymeric Materials (APM-2011), CIPET, Chennai, March, 25th-27th, 2011.

6. International conference on Recent Advance in Textile and Electrochemical Sciences (RATES-2013), Alagappa University, Karaikudi, March, 21st-23rd, 2013.
7. International Conference on Recent Trends in Biosciences, Dept. of Biotechnology, Alagappa University, karaikudi, April, 7th-9th, 2016.
8. International Conference on Recent Trends in Microbiology, Department of Microbiology, Alagappa University, karaikudi, December, 7th-8th 2016.
9. International Conference on Frontier Areas in Chemical Technologies, Department of Industrial Chemistry, Alagappa University, Karaikudi, July, 6th-8th, 2017.
10. National seminar on Application Oriented nanomaterials (NANOMAT-2005), Alagappa University, Karaikudi, March, 10th-11th, 2005.
11. National seminar on Recent Advance in Textile and Electrochemical Sciences (RATES-2008), Alagappa University, Karaikudi, December, 19th-20th, 2008.
12. National symposium on "Importance of nanoscience and technology (INST-2009), Alagappa University, Karaikudi, March, 14th-15th, 2009.
13. National conference on Recent Advance in Textile and Electrochemical Sciences (RATES-2009), Alagappa University, Karaikudi, December, 4th-5th, 2009.
14. National seminar on Application of Nanotechnology in current Agricultural Practices (NANO FARM-2011), Department of Biology, Dr. Zakir Husain College, Ilayangudi, February, 9th-10th, 2011.
15. National conference on Recent Trends in Green Synthesis (RTGS-2011), Alagappa University, Karaikudi, August, 5th-6th, 2011.
16. Conference on Recent Advance in Textile and Electrochemical Sciences (RATES-2012), Alagappa University, Karaikudi, March, 22th-23th, 2012.
17. 8th National Symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" Dept. of Bioinformatics, Alagappa University, Karaikudi, February 16th-19th, 2016.
18. National Seminar on "Nanomaterials for Specialized Applications" (NMSA-2017) & " World Standards day" Dept. of Nanoscience and Technology, Alagappa University, Karaikudi February 9th-10th, 2017.
19. One day conference on "Exploring Commercialization of Biosensor In India, Department of Bioelectronics, and Biosensor, Alagappa University, Karaikudi, March, 14th 2017.
20. Workshop on Second international advanced functional Materials (SIWAN-2013), Anna University, Chennai, January, 28th-30th, 2013.
21. India-Japan Workshop on "Biomolecular Electronics and Organic Nanotechnology for Environment Preservation" (IJWBME-2013), Delhi Technical University, Delhi, December, 13th-15th, 2013.

22. Workshop on international Frontier Areas in Chemical Technologies (FACTs-2014), Alagappa University, Karaikudi, February, 21st-22nd, 2014.
23. International Workshop on Data Science and Analysis, Department of computer science, Alagappa University, Karaikudi, September, 27th-28th, 2016.
24. National workshop on Green Chemistry, Alagappa University, Karaikudi, March, 31st, 2008
25. National workshop on Green process techniques for industrial application (GREPTIA-2009), Alagappa University, Karaikudi, March, 20th-21st, 2009
26. Workshop on Electroanalytical Techniques, Alagappa University, Karaikudi, October, 11th-13th, 2010.
27. State level workshop on Structural Solving by Powder X-ray Diffraction (SLWSSP-XRD-2011), Alagappa University, Karaikudi, July, 26th-27th, 2011.
28. Workshop on Characterization Techniques (NWCT-1, 2012), Alagappa University, Karaikudi, March, 24th-26th, 2012.
29. Workshop on Recent Trends in Electrochemistry, CSIR-CECRI, Karaikudi, April, 28th, 2011.
30. Two day lecture workshop on Green Chemistry, Alagappa University, Karaikudi, September, 20th-21th, 2013.

Other Training Programs:

1. One-Week Short-Term Course on "Professional Enrichment", Alagappa University College of Education, Karaikudi, (07.08.2017-13.08.2017), Tamil Nadu, India

Overseas Exposure / Visits: Nil

Membership in

Professional Bodies: Nil

Editorial Board: Nil

Advisory Board: Nil

Academic Bodies (such as Board of Studies etc.): Nil

Others: Nil

Resource persons in various capacities

Number of Invited / Special Lectures delivered: Nil

Others

1. Articles published in Newspapers / Magazines : Nil
2. Products developed : Nil
3. No. of PhD Thesis evaluated : Nil

4. No. of PhD Public Viva Voce Examination conducted : Nil

5. Sequences submitted in GenBank: Nil

**Social Interests and Initiatives / Articles in News papers etc can also be included

Recent Publications

1. S. Selvam, B. Balamuralitharan, S. Jegatheeswaran, Mi-Young Kim, S.N. Karthick, J. Anandha Raj, **P. Boomi**, M. Sundrarajan, K. Prabakar, Hee-Je Kim, (2017), "Electrolyte imprinted graphene oxide-Chitosan chelate with copper crosslinked composite electrodes for intense cyclic stable flexible supercapacitors", *Journal of Materials Chemistry A*, 5, 1380-1386 (IF: **8.262**).
2. Arivoli Appavu, Sathiamoorthi Thangavelu, Satheeskumar Muthukannan, Joseph Sahayarayan Jesudoss, **P. Boomi**, (2016), "Study of Water Quality Parameters of Cauvery River Water, in Erode Region", *Journal of Global Biosciences*, 5, 4556-4567 (ISSN:2320-1355).
3. **P. Boomi**, H. Gurumallesh Prabu, P. Manisankar, S. Ravikumar, (2014), "Study on Antibacterial activity of Chemically Synthesized PANI-Ag-Au nanocomposite", *Applied surface Science*, 300, 66-72. (IF: **2.711**).
4. **P. Boomi**, H. Gurumallesh Prabu, J. Mathiyarasu, (2014), "Synthesis, characterization and antibacterial activity of polyaniline/Pt-Pd nanocomposite", *European Journal of Medicinal Chemistry*, 72, 18-25. (IF: **3.447**).
5. **P. Boomi**, H. Gurumallesh Prabu, J. Mathiyarasu, (2013), "Synthesis and characterization of polyaniline/Ag-Pt nanocomposite for improved antibacterial activity", *Colloids and Surfaces B: Biointerfaces*, 103, 9-14. (IF: **4.152**).
6. **P. Boomi**, H. Gurumallesh Prabu, (2013), "Synthesis, characterization and antibacterial analysis of polyaniline/Au-Pd nanocomposite", *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 429, 51-59. (IF: **2.752**).
7. S. Ravikumar, R. Gokulakrishnan, **P. Boomi**, (2012), "In vitro antibacterial activity of the metal oxide nanoparticles against urinary tract infectious bacterial pathogens", *Asian Pacific Journal of Tropical Disease*, 2, 85-89. (IF: **0.726**).

Book Chapter

1. Polyaniline: Mono- and Bi-Metal Composite H. Gurumallesh Prabu, **P. Boomi**, (2015), "Encyclopedia of Biomedical Polymer and Polymeric Biomaterials", Taylor & Francis (*Encyclopedia of Biomedical Polymers and Polymeric Biomaterials*), 6089-6100, (DOI: **10.1081/E-EBPP-120049948**)