



Name	Dr. P.BOOMI
Designation	Assistant Professor
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Academic Qualifications	M.Sc., M.Phil., Ph.D.
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Total Teaching Experience: 1 Year

Total Research Experience: Nil

Research Area / Specialization(s): Material science, Polymer chemistry, Electrochemistry, Nanochemistry, Bio-inorganic chemistry, Antimicrobial activity, Anticancer activity and Nano drug delivery.

Guidance / Supervision

Program of Study		Completed	Ongoing
Research	Ph.D.	-	-
	M.Phil.	-	-
	Project Assistant	-	-
Project	PG	-	-

Research Papers

Published in International Journals	Published in National Journals	Presented in International Conferences	Presented in National Conferences
5	1	6	7

Funded Research Projects (Completed)-Nil

Funded Research Projects (Ongoing)-Nil

Consultancy Projects –Nil

Number of Seminars / Conferences / Workshops / Events attended	: 13
Number of Seminars / Conferences / Workshops / Events organized	: Nil
Number of Invited / Special Lectures delivered	: Nil
Number of Books / Chapters / Monographs / Manuals written	: 01

Achievements / Awards / Honours

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

Membership in Professional / National / International Bodies-Nil

Additional Responsibilities – Alagappa University- Nil

Additional Responsibilities – Other Institute/University-Nil

Countries Visited-Nil

List of Publications

1. **P. Boomi**, H. Gurumallesh Prabu, J. Mathiyarasu, Synthesis and characterization of polyaniline/Ag–Pt nanocomposite for improved antibacterial activity, *Colloids and Surfaces B: Biointerfaces*, 103 (2013) 9-14 (**I.F-4.152**).
2. **P. Boomi**, H. Gurumallesh Prabu, Synthesis, characterization and antibacterial analysis of polyaniline/Au-Pd nanocomposite, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 429 (2013) 51– 59 (**I.F-2.752**)
3. **P. Boomi**, H. Gurumallesh Prabu, J. Mathiyarasu, Synthesis, characterization and antibacterial activity of polyaniline/Pt-Pd nanocomposite, *European Journal of Medicinal Chemistry*, 72 (2014) 18–25 (**I.F-3.447**)
4. **P. Boomi**, H. Gurumallesh Prabu, P. Manisankar, S. Ravikumar, Study on Antibacterial activity of Chemically Synthesized PANI-Ag-Au nanocomposite, *Applied surface Science*, 300 (2014) 66-72 (**I.F-2.711**)
5. S. Ravikumar, R. Gokulakrishnan, **P. Boomi**, In vitro antibacterial activity of the metal oxide nanoparticles against urinary tract infectious bacterial pathogens, *Asian Pacific Journal of Tropical Disease*, 2 (2012) 85-89 (**I.F-0.726**).

6. S. Selvam, B. Balamuralitharan, S. Jegatheeswaran, Mi-Young Kim, S.N. Karthick, J. Anandha Raj, **P. Boomi**, M. Sundrarajan, K. Prabakar, Hee-Je Kim, Electrolyte imprinted graphene oxide-Chitosan chelate with copper crosslinked composite electrodes for intense cyclic stable flexible supercapacitors, *Journal of Materials Chemistry A*, DOI: 10.1039/C6TA09905J, (2013), 1-9, (I.F. 8.262)

Book chapter

1. Polyaniline: Mono- and Bi-Metal Composite H. Gurumallesh Prabu, **P. Boomi**, Encyclopedia of Biomedical Polymer and Polymeric Biomaterials, Taylor & Francis (*Encyclopedia of Biomedical Polymers and Polymeric Biomaterials*), 2015, pp6089-6100, (DOI: 10.1081/E-EBPP-120049948)