

Faculty Profile

Name of the Faculty : **Dr.K.Kanimozhi**
Department and Designation : Chemistry & Assistant Professor
Date of Joining : 19/Oct/2009
Faculty ID : 66583
E-mail Address : kanirams47@gmail.com
Date of Birth : 07/ Apr/1977
Qualification : M.Sc., M.Phil., Ph.D
Specialization : Polymer Chemistry,
Nanosciences and Studies,
Environmental Chemistry



Professional Experience:

Assistant Professor (23/ Jul/2015 onwards): Bharathidasan Institute of Technology, Anna University, Tiruchirappalli.

Assistant Professor 2010- 22/Jul/2015), University College of Engineering Villuppuram – 605103.

Lecturer 19/Oct/ 2009- 2010), University College of Engineering Villuppuram – 605103.

Lecturer 04/Oct/2009- 03/Oct/2008), Indra Gandhi College of Engineering & Technology for women, Athur, Chengalpet.

Lecturer 14/Dec/2001- 06/Jun/2005), KarpagaVinayaga College of Engineering & Technology, Chinnakolambakkam, Kancheepuram.

Research Guidance : 02 - Ph.D (Ongoing)

Awards and Honours : Awarded a Merit prize for Physical chemistry with Vijaya Naidu Award.

Publications:

(i) Internationally Refereed Journals :

- **Kanimozhi K**, Devaraju S Venkatesan MR Selvaraj V and Alagar M (2013), 'Studies on synthesis and Characterisation of surface-modified mullite fibre-reinforcedepoxynanocomposites, High performance polymers, vol. 25, pp.658-667 (**Impact factor 1.045**).
- **Kanimozhi K**, Devaraju S Selvaraj V and Alagar M (2014), 'Vinyl silane-functionalized rice husk ash reinforced unsaturated polyester nanocomposites', RSC Adv., Vol. 4, pp.18157-18163 (**Impact factor 3.389**).
- **Kanimozhi K**, Devaraju S Prabunathan P, Selvaraj V and Alagar M (2014), 'Thermal and mechanical properties of functionalized mullite reinforced unsaturated polyester composites'. Polymer Composites, Vol.35, pp. 1663–1670 (**Impact factor 2.004**)

- **Kanimozhi K**, Selvaraj V P, Prabunathan P, and Alagar M (2014), 'Development and characterization of surface modified mullite reinforced BMI-toughened epoxy nanocomposites' *Polymer Bulletin*, Vol.71, pp. 1277-1293 (**Impact factor 1.371**).
- **Kanimozhi K**, Sethuraman K, Selvaraj V and Alagar M (2014), 'Development of ricehusk ash reinforced bismaleimide toughened epoxy nanocomposites', *Frontiers in Chemistry*, Vol. 2, pp.1-9.
- **Kanimozhi K**, Prabunathan P, Selvaraj V and Alagar M (2015), 'Mullite-reinforced caprolactam toughened DGEBA epoxy nanocomposites', *High Performance Polymers*, Vol. 27, pp. 833-841 (**Impact factor 1.045**).
- **Kanimozhi K**, Prabunathan P, Selvaraj V and Alagar M (2016), 'Bio- based silica reinforced caprolactam toughened epoxy nanocomposites', *High Performance Polymers*, Vol. 28, pp. 425-435 (**Impact factor 1.045**).

(iii) International Conferences:

- **Kanimozhi K**, Devaraju S, Selvi M, Selvaraj V and Alagar M (2012), '*Studies on Synthesis and Characterisation of surface-modified mullite fibre- reinforced Unsaturated Polyester nanocomposites*, (ICNP 2012), Third International Conference on Natural Polymers, Biopolymers, Bio- materials, their composites, Blends, IPNs. Polyelectrolytes and Gels: Macro to Nanoscales. Centre for Nanoscience & Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala- 686560, 26th-28th Oct **2012**.
- **Kanimozhi K**, Devaraju S, Selvi M, Selvaraj V and Alagar M (2013), '*Synthesis and Characterisation of surface-activated Ricehusk - reinforced Epoxy composites for Mechanical Applications*, (AMPC 2013), Second International Conference on Advances in Materials Processing AND Characterization, CEG Campus, Anna University, Chennai 6th- 8th Feb **2013**.
- **Kanimozhi K**, Devaraju S, Selvaraj V and Alagar M (2012), '*Studies on Synthesis and Thermal and Electrical properties of surface-modified mullite fibre- reinforced Unsaturated Polyester nanocomposites*, (SIWAN 2013), Second International Workshop on Advanced Functional Nanomaterials, ACTECH Campus, Anna University, Chennai 28th- 30th Jan **2013**.

(iv) National Conferences:

- **Kanimozhi K**, Devaraju S, Prabunathan P, Selvaraj V and Alagar M (2013), '*Synthesis and Characterisation of surface-activated Ricehusk - reinforced Epoxy composites for high thermal Applications*, (NFOCPR-2013) National Conference on New Frontiers In Organic Chemistry & Process Research. Stella Maris College in Collaboration with Shasun Pharmaceuticals Limited, Chennai. 24th-25th Jan 2013.

CONFERENCES/WORKSHOPS/SEMINAR/ SHORT TERM REFRESHER COURSE ATTENDED : 08

- Centre for Faculty Development Anna University, Chennai sponsored **Faculty Development Training Programme** on Environmental Science and Engineering at Madras Institute of Technology from 14th to 21st Dec 2009.
- Anna University of Technology, Chennai organised Workshop on **How to Prepare Research Project Proposal** at University College of Engineering Villuppuram on 6th Aug 2011.

- Centre for Entrepreneurship Development, Anna University conducted **Faculty Development Program on the Building the Bridge of Opportunity** at Anna University, Chennai- 25 on 21st Jun 2012.
- Department of Applied Science and Technology & Department of Chemical Engineering, Jointly organized program on **National Seminar on Green Chemistry** at ACTECH Campus, Chennai on 4th & 5th Oct 2012.
- TEQIP – II Sponsored **Faculty Development Program** organized by Bharathidasan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24 on 1st Mar 2016.
- TEQIP – II Sponsored Two Days Lecture **Workshop** on Chemistry for Sustainable Green Environment organized by Department of Chemistry, Bharathidasan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24 on 11th & 12th Mar 2016.
- **UGC Sponsored 91st Orientation Programme** at Academic Staff College, Bharathidasan University, Tiruchirappalli-24, from 20.05.2016 to 16.06.2016.
- TEQIP – II Sponsored **Two Weeks Faculty Development Program** on Multi-disciplinary Approaches in Chemical Sciences (MACS'2016) organized by Department of Chemistry, Bharathidasan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24 from 18th & 31st Jul 2016.

CONFERENCES/WORKSHOPS/SEMINAR ORGANISED : 01

TEQIP – II Sponsored **Two Day Seminar** on “Challenges and Opportunities in Chemical & Environmental Research” (CHEMERA 2016) on 11th & 12th Aug 2016, at Department of Chemistry, Bharathidasan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24.

Other contribution (if any)

- Deputy Warden at University College of Engineering, Villupuram (19/Oct/2010 to 04/Dec/2014).
- Antiragging Committee member at UCEV.
- Chemistry Lab- Incharge at UCEV (Sep 2010- Dec 2014).
- Internal Exams, Exam Cell Coordinator at UCEV 16/Nov/2010- Nov 2011.
- Organizing member for Discipline committee & Cultural activities at UCEV.
- Acted as Chief Superintendent for Anna University Theory Examinations from 7/Dec/11 to 9/Dec/11 at UCEV.
- Deputed as University Representative Coordinator for conducting Anna University of Technology Exams, Zone – IV B Arulmigu Meenakshi Amman College, Chennai.
- Deputed as a member from UCEV to work for Affiliation & Inspection committee at Anna University of Technology, CPT campus, Tharamani, Chennai – 600113.

- Acted as an Inspection committee member for Rajalaksmi Engineering College on 18/Aug/2011 by Anna University of Technology, Chennai – 113.
- Deputed as a member from UCEV for scrutiny work for then applied Teaching fellow and Non - Teaching Staff Applications at Anna University of Technology, Chennai – 113.
- Exam Cell Member for collecting the Anna University Theory Exam papers by the Department of Chemistry, BIT Campus (Nov 2016 & Apr 2017).