

## CURRICULUM VITAE

**Dr.K.KANIMOZHI**

**Designation**

**Department of Chemistry**

**UCE – BIT Campus, Tiruchirappalli 620 024**

**Contact no: 9841004769**

**Mail. ID: kanirams47@gmail.com**



➤ **Research Area:**

- Polymer Nanocomposites
- Environmental Chemistry
- Material Chemistry

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>	<b>Percentage</b>	<b>Class</b>
Ph.D. (Polymer Nanocomposites)	ACTECH Campus, Anna University	2014	-----	Recommended
M.Phil.	Alagappa University	2009	68.8 %	First
PG (General Chemistry)	Queen Mary's College (Autonomous) Chennai	2000	73.1%	First
UG( Chemistry)	Govt.College for Women, Pudukkottai	1997	76.4%	First

**Experience:** (chronological order)

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
University College of Engineering (BIT CAMPUS), Tiruchirappalli	Assistant Professor	23/07/2015	Till date	8 years
University College of Engineering Villuppuram	Assistant Professor	19/10/2009	22/07/2015	5 years 8 months
Indira Gandhi college of Engineering for Women, Athur, Chengalpet.	Lecturer	3/10/2008	3/10/2009	1 year

Adhiparasakthi polytechnic college	Lecturer	7/8/2006	7/3/2007	7 months
Karpaga Vinayaga College of Engineering & Technology, Madhurantagam	Lecturer	14/12/2001	5/6/2005	3 years 6 months

➤ **Awards / Honours Received:**

1. Best Scientist C.N.R. Rao Award, 2019 from Tamil Nadu Scientific Organization, Pudukkottai
2. Second rank holder in [M.Sc., Chemistry] Queen Mary's College Autonomous, Chennai. (Madras University) 2000.
3. Second rank holder in [B.Sc., Chemistry] Government College for Women, Pudukkottai. [1994- 1997].
4. Vijayanaidu Meritorius prize for Best student, Physical chemistry [1994- 1997] from Government College for Women, Pudukkottai.

➤ **Additional / Academic Responsibilities at University:**

1. Additional First Year Coordinator, UCE-BIT Campus, Tiruchirappalli- 24.
2. NSS Program officer Unit- IV, UCE-BIT Campus, 13/Sep/2022.
3. Department Cultural Coordinator UCE-BIT-2017, Timetable Coordinator-2019-2023  
Purchase committee Coordinator
4. Deputy Warden Girl's Hostel, Chemistry Lab In charge, Anti-Ragging Committee member 2010-2015 UCEV.
5. Exam Cell Coordinator- Indira Gandhi College
6. Deputy Warden, Lab In-charge, Timetable coordinator- Karpaga Vinayaga College.

➤ **Membership of Scientific and Professional Societies:**

1. Membership of Bose Science Society: M671/BSS/Bose Science Society, TNSRO.

➤ **Fellowships and Grants received:**

Received with the fund of around Rs.1,00,000 and conducted One- Week Online FDP sponsored by *AICTE- ATAL "Strategies and Outcomes to Enhance Sustainable Green Environment"* held during 19-23 Jul 2021

➤ **Completed PG/UG Projects:**

a. Number of UG Project Completed: 01 batch

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

<b>Sl. No</b>	<b>Name of the scholar</b>	<b>Tentative Title of the thesis</b>	<b>Year of registration</b>	<b>Status</b>
1.	Mr. A.Vasanth	Studies on Development of Bio-Source Derived Polymer Based Carbon Aerogel Nanocomposites	2016	Going to submit Thesis
2.	Mr.S.Thirumoorthi	Studies on Development of multifunctional cotton fabrics using polymer composite nanomaterials	2016	Going to submit Thesis

➤ **Publications:**

**a. Books / book chapters:**

*Agriculture and Environment* A Text Book for B.E/B.Tech Engineering Students Elective Paper ISBN No: 978-93-92061-00-4 Dr.K.Kanimozhi Tamilnadu Scientific Research Organization TNSRO 2022.

1. *Women in Social, Political and Economics* Book Chapter / Women Empowerment in Independent India- 75. Dr.K.Kanimozhi & Dr.G.D.Gayathri WSDTC, Annamalai University 2022.
2. *Psychological, Mental and Emotional Violence on Women*, Book Chapter / Women Empowerment in Independent India- 75. Dr.G.D.Gayathri & Dr.K.Kanimozhi WSDTC, Annamalai University 2022.
3. *Soft Skills* Book Chapter / SOFT SKILLS in the Life skills Education. Dr.K.Kanimozhi & Dr.S.Rajeswari. Kalyani University, West Bengal 2022.
4. *Influences of Graphene, Transition metal dichalcogenides and MXenes nanocomposites as Energy storage Devices*. Dr.K.Kanimozhi & Dr. Vengatesan M.Rengaraj.

5. *Green Sustainability through Hydroponics: A Scientometric Review.* Dr.S.Rajeswari and Dr.K.Kanimozhi Recent Trends in Multi Disciplinary Research Approaches. June 2023

6. *Women Health and Sustainable Development:* Dr.K.Kanimozhi & Dr.S.Rajeswari. Kalyani University, West Bengal 2023.

7. *A Scientometric Review* of renewable energy for sustainable development in India Dr.K.Kanimozhi and Dr.S.Rajeswari JK publications 15/June/2023

**8. International Journals:**

1. A.Saraswathi and **K.Kanimozhi** Synthesis and Development of Phosphazene Nano- Fiber Reinforced Composite Material for Weight Reduction in Dc Motor Body. 2022 PERIODICO di MINERALOGIA Volume 91, No. 5, 2022 **Impact factor 0.88)**
2. **Kanimozhi K**, Vasanth A, Prabunathan P, and Alagar M ‘Fluorine free TiO<sub>2</sub>/cyanate ester coated cotton fabric with low surface free energy and rough surface for durable oil-water separation’, 2021. Cellulose **(Impact factor 5.8).**
3. **Kanimozhi K**, Prabunathan P, Selvaraj V and Alagar M (2016), ‘Bio- based silica reinforced caprolactum toughened epoxy nanocomposites’, High Performance Polymers, Vol. 28, pp. 425-435 **(Impact factor 1.045).**
4. **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).**
5. **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).**
6. **Kanimozhi K**, Selvaraj V 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).**
7. **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**).

8. **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**).
9. **Kanimozhi K**, Devaraju S Venkatesan MR Selvaraj V and Alagar M (2013), ‘Studies on synthesis and Characterisation of surface-modified mullite fibre-reinforced epoxy nanocomposites, High performance polymers, vol. 25, pp.658-667 (**Impact factor 1.045**).

1. **National Journals:**

- a. **S.Rajeswari and K.Kanimozhi** Mapping of Publications of Productivity on Solar tree. Vol.14 / Issue 79 / Aug / 2023 Indian Journal of Natural Sciences ISSN: 0976 – 0997 (**Impact factor 1.988**) [UGC Care List].
- b. **A.Saraswathi and K.Kanimozhi** 2022. Indian Journal of Natural Sciences www.tnsroindia.org.in ©IJONS Vol.13 / Issue 73 / August / 2022. (**Impact factor 1.988**) [UGC Care List].
- c. **K. Kanimozhi**, M. Alagar, V. Selvaraj, P. Prabunathan and S. Thirumoorthi ‘A Green Technology in Tailoring Rice Husk Ash with Epoxy as (GRHA-EP) Nanocomposites for Persisting UV Rays in Aerospace Applications’ 2021. Indian Journal of Natural Sciences www.tnsroindia.org.in ©IJONS Vol.11 / Issue 64 / February / 2021 (**Impact factor 1.988**) [UGC Care List].

➤ **Patents:**

An Adhesive Wrist Patch for monitoring blood glucose level of diabetes patients using machine learning, Published on 12/11/2020 (Dr. K. Selva Bhuvaneshwari, Dr. R.Sebasthipriya, **Dr. K. Kanimozhi**, Dr. A. Saraswathi)

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

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

2. One day workshop, Hands to hands training on Oct 3, 2019 *towards Sustainable Agriculture and its impacts on Environment* in coordinaton with Civil Department received with a fund of Rs. 10,000 from UCE- BIT, Tiruchirappalli – 24.
3. One day Online FDP in Interdisciplinary workshop with Mathematics. **“Tackling the Impact of COVID Pandemic in Higher Education”** Live webinar on June 25, 2020.
4. One-week Online FDP on *Interdisciplinary Approaches on Chemical and Physical Sciences* 28 Jul- 1/ Aug/2020.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

1. Centre for Faculty Development Anna University, Chennai sponsored **Faculty Development Training Program** on Environmental Science and Engineering at Madras Institute of Technology from 14<sup>th</sup> to 21<sup>st</sup> Dec 2009.
2. Anna University of Technology, Chennai Organised Workshop on **How to Prepare Research Project Proposal** at University College of Engineering Villuppuram on 6<sup>th</sup> Aug 2011.
3. Centre for Entrepreneurship Development, Anna University conducted **Faculty Development Program on the Building the Bridge of Opportunity** at Anna University, Chennai- 25 on 21<sup>st</sup> Jun 2012.
4. Department of Applied Science and Technology & Department of Chemical Engineering, Jointly organized program on **National Seminar on Green Chemistry** at ACTECH Campus, Chennai on 4<sup>th</sup> & 5<sup>th</sup> Oct 2012.
5. TEQIP – II Sponsored **Faculty Development Program** organized by Bharathidsan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24 on 1<sup>st</sup> Mar 2016.
6. TEQIP – II Sponsored Two Days Lecture **Workshop** on Chemistry for Sustainable Green Environment organized by Department of Chemistry, Bharathidsan Institute of Technology (BIT campus), Anna University, Tiruchirappalli- 24 on 11<sup>th</sup> & 12<sup>th</sup> Mar 2016.
7. **UGC Sponsored 91<sup>st</sup> Orientation Program** at Academic Staff College, Bharathidasan University, Tiruchirapalli-24, from 20.05.2016 to 16.06.2016.
8. 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 18<sup>th</sup> & 31<sup>st</sup> Jul 2016.
9. **UGC Sponsored Refresher Program** conducted by the Department of Nanoscience, Bharathidasan University, Tiruchirappalli-24, from 2016 to 2017.
  10. **NPTEL-AICTE Faculty Development Program** Developing Soft Skills and Personality (Jan- Mar 2018) [ 8 Week Online= One-week]
  11. **NPTEL-AICTE Faculty Development Program** Structural Analysis of Nanomaterials (Jan- Mar 2018) [ 8 Week Online= One-week]
  12. **Six- day FDP** on 'Current Trends in Teaching Methods and Strategies in Higher Education' scheduled during 28 Jan - 02 Feb 2019 especially for Women Faculty members, organized by National Institute of Technology, Warangal.
  13. **NPTEL- AICTE Faculty Development Program** Technology for Clean and Renewable Energy (Jul- Sep 2019) [ 8 Week Online= One-week]
  14. **NPTEL- AICTE Faculty Development Program** Waste to Energy conversion (Jan- Mar 2020) [ 8 Week Online= One-week]
  15. **One Day workshop on** Environmental Conservation and Sustainability by the Department of Chemistry, UCE-BIT Campus, Tiruchirappalli - 24. [6/Mar/2020]
  16. **One day Virtual roundtable** Participation on Covid- 19 Pandemic: Impacts and Strategies for Education Sector [25, May 2020]
  17. **Two Day Online Webinar** on Open Educational Resources, Knowledge Management and Organizational Cultures in Libraries [29, 30 May 2020] hosted by Central Library at UCE-BIT Campus, Tiruchirappalli - 24.
  18. **Outcome Based Education – A Paradigm Shift** organized by IQAC, Christ College of Science and Management from June 4, 2020 to June 11, 2020.
  19. **Three Week Industrial Training on BSNL June 8, 2020 to 26 June 2020**
  20. **Two - Week Faculty Development Program** on “Advanced concepts for developing Moocs” Teaching Learning Centre, Ramanujan College University of Delhi, from 02 - 17 July, 2020
  21. **One Week Faculty Development Program** sponsored by AICTE- ATAL 28/ Jul/ 2021- Water treatment method conducted by University College of Engineering Dinduigal Campus.

22. **One Week Faculty Development Program** on Student Induction UHV Online workshop “Incorporating Universal Human Values in Education conducted by AICTE during 14/Mar/2022 to 17/Mar/2022 and 19/Mar/2022.
23. **Four Week “Faculty Induction Programme”** conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 22.03.2023 to 20.04.2023.

➤ **National / International Conferences organized / Participated:**

1. **Kanimozhi K**, Devaraju S, Selvi M, Selvaraj V and Alagar M (2012), *‘Studies on Synthesis and Characterisation of surface-modified mullitefibre-reinforced Unsaturated Polyester nanocomposites*, (ICNP 2012), Third International Conference on Natural Polymers, Bio- polymers, Bio- materials, their composites, Blends, IPNs. Polyelectrolytes and Gels: Macro to Nanoscales. Centre for Nanoscience& Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala-686560, 26<sup>th</sup>-28<sup>th</sup> Oct **2012**.
2. **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 6<sup>th</sup>- 8<sup>th</sup> Feb **2013**.
3. **Kanimozhi K**, Devaraju S, Selvaraj V and Alagar M (2012), *‘Studies on Synthesis and Thermal and Electrical properties of surface-modified mullitefibre-reinforced Unsaturated Polyester nanocomposites*, (SIWAN 2013), Second International Workshop on Advanced Functional Nanomaterials, ACTECH Campus, Anna University, Chennai 28<sup>th</sup>- 30<sup>th</sup> Jan **2013**.
4. **Kanimozhi K**, Rajeswari (2023) *‘A Comparative analysis of Water and Parameters: Clean water, Domestic water & Irrigation water’*. (ICNHE) An IQAC Enabled RUSA 2.0 Sponsored Two-Day Multidisciplinary Online International Conference on Nutrition and Health Education 20.2.2023 & 21.2.2023
5. **Kanimozhi K**, Devaraju S, Prabunathan P, Selvaraj V and Alagar M (2013), *‘Synthesis and Characterization 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. 24<sup>th</sup> -25<sup>th</sup> Jan 2013.

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

**Reviewer** in Sage Publications for High Performance Polymers

**Guest lectures delivered:**

1. *Emerging polymer composite applications towards Sustainability*, 28/Feb/2020 at Pushkaram college of Agriculture, Pudukkottai.
2. *Universal Human Values* – 20/Aug/2020, UCE-BIT Campus in motivating the I-Year Information Technology Students, during the one week Induction Program- Anna University.
3. *Eco-friendly Procedure for Scaling Agricultural waste into Advanced Composite materials*, in the ATAL, AICTE Sponsored FDP-23/Jul/2021.
4. *Human Values & Ethics* – 10/Nov/2021, UCE-BIT Campus in motivating the I-Year Civil Engineering Students, during the one week Induction Program- Anna University.
5. *Challenges and Opportunities in Utilizing Polymeric Products* on 18/ Feb/2022 organized by the Department of Biotechnology, Sathyabama Institute of Science & Technology Deemed to be University.
6. *Webinar on Professional Ethics* on 26/May/2022, UCE-BIT Campus organized by Central Library & NDLI Club, Tiruchirappalli – 24.
7. *Webinar on Sustainable Environment* on 27/May/2022, UCE-BIT Campus organized by Central Library & NDLI Club, Tiruchirappalli – 24.
8. *Human Values & Ethics* – 26/Nov/2022, UCE-BIT Campus in motivating the I-Year Bio Technology Students, during the one week Induction Program- Anna University.

**DECLARATION:**

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

**Signature of the staff member**

**Head of the Department**

**Dean**