

RESUME



Name : Dr.K.ILANGO
Designation :Teaching Fellow
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Academic Qualification

Course	Educational Institution	Class	Year of Passing
Ph. D Ceramic Technology	Anna University	-	2017
M. Tech Ceramic Technology	AC Tech, Anna University,Chennai	I st class	2011
M.Sc (Material Science & Technology)	Pondicherry Engineering College, Pondicherry	I st class	2009
B.Sc (Physics)	St. Joseph Arts & Science College, Cuddalore	I st class	2007

Areas of Interest/Research

- **Porous Ceramic**
- **Polymer Ceramic Composites**

Academic Experience

S.No.	Designation	Institution / University	Duration
1.	Teaching Fellow	Department of Ceramic Technology, A.C.College of Technology, Anna University, Chennai – 600 025	Jan 2014 to till date
2.	Teaching Assistant	Department of Ceramic Technology, A.C.College of Technology, Anna University, Chennai – 600 025	27.07.2011 to 15.06.2014

Funded Research Projects : NA

LIST OF PUBLICATIONS

International / National Journals

1. **K Ilango**, P Prabunathan, E Satheeshkumar, P Manohar, ‘Design of low dielectric constant polybenzoxazine nanocomposite using mesoporous mullite’, High Performance Polymers, **I.F=1.28**. (2016)
2. **K Ilango**, P Prabunathan, E Satheeshkumar, P Manohar, ‘Ceria doped Mullite reinforced polybenzoxazine nanocomposites with improved UV shielding and thermo mechanical 1. Polymer Composites, DOI 10.1002/pc.24169 **.I.F=2.04** (2016)
3. **Ilango, K**, Prabunathan, P, Satheeshkumar, E & Manohar, P, ‘Exploring Ag-doped mullite as high dielectric and antimicrobial reinforcement with polybenzoxazine matrix,’ Polymer-Plastics Technology and Engineering, **IF = 1.511**. (2016)
4. Anbarasi, P, Satheeshkumar, E, **Ilango, K** & Manohar, P, ‘Dielectric studies and conduction mechanism of Zn and Ag modified LiMn₂O₄ synthesised by solution combustion method’, Applied Physics: A Material science & processing. **I.F=1.45**. (2017)
5. E. Satheeshkumar, P. Anbarasi, **K. Ilango**, P. Prabunathan P. Manohar”Studies on Electrical Properties of Microwave Assisted Synthesis of NiO/ YSZ composites for High Performance Anode in Solid Oxide Fuel Cell” Materials Technology: Advanced Performance Materials.**I.F=1.49**. (2017)
6. P. Anbarasi . E. SatheeshKumar . **K. Ilango** . P. Manohar ‘Dielectric and conduction mechanism studies of Ni doped LiMn₂O₄ synthesized by solution combustion method”Ionics.**I.F=2.06** (2018)

7. E. Satheeshkumar, P. Anbarasi, **K. Ilango**, P. Prabunathan P. Manohar”Temperature dependant electrical properties of YSZ synthesized through microwave combustion”applied physics material science A Processing. **I F=1.81** (2020)

International / National Conference/Seminars/Symposium

1. **Ilango,K, &** Manohar .P 2011,’Syntheis characterization of mullite by solgel method,’74 th annual session of the Indian ceramic society held at ‘Hotel Taj Bengal’Kolkata.
2. Satheeshkumar, E, Anbarasi, P, **Ilango, K** & Manohar, P (2013), ‘Dielectric and Conductivity Studies on ZnO and Rare Earth Doped YSZ Materials for SOFC Applications’ International Conference on Ceramic Science, Jamshedpur
3. **Ilango, K**, Satheeshkumar, E, Anbarasi, P & Manohar, P 2013, ‘Effect of binder on the hardness behavior of Al_2O_3 -3YTZP composites’, International Conference on Ceramic Science, Jamshedpur.
4. Anbarasi, P, Satheeshkumar, E,**Ilango, K**& Manohar, P 2013,’Synthesis of $\text{LiZn}_x\text{Mn}(2-x)\text{O}_4$ ($x = 0.1, 0.3, 0.5\%$) based oxide material for Li-ion battery,’ International Conference on Ceramic Science, Jamshedpur.
5. **Ilango,K**, Satheeshkumar, E, Anbarasi, P & Manohar, P (2014), ‘Effect of synthesis method on the mechanical properties of Al_2O_3 -3YTZP composites’, National Conference on Hierarchically Structured Material , SRM University, Chennai.
6. Satheeshkumar, E, Anbarasi, P **Ilango,K**, & Manohar, P (2014), ‘Effect of ZnO doped YSZ materials for SOFC applications’, National Conference on Hierarchically Structured Material , SRM University, Chennai.
7. Anbarasi, P, Satheeshkumar, E, **Ilango,K**, & Manohar, P (2014),’Effect of microwave calcination on LiMn_2O_4 , $\text{LiZn}_x\text{Mn}(2-x)\text{O}_4$ ($x = 0.1, 0.3, 0.5\%$) based oxide material for li-ion battery on its conductivity and dielectric behavior,’National Conference on Hierarchically Structured Material , SRM University, Chennai.
8. **Ilango,K**, Prabunathan, P, Satheeshkumar, E & Manohar, P (2015), ‘Synthesis and Characterization of Silver doped Mullite& their effects on its dielectric behavior’, International Conference on Ceramic and Advanced Materials for Energy and Environment ,Christ University, Karnataka.
9. **Satheeshkumar, E**, Anbarasi, P Ilango,K, & Manohar, P (2015), ‘Synthesis and

Characterization of Ni-YSZ cermet for SOFC application International Conference on Ceramic and Advanced Materials for Energy and Environment ,Christ University, Karnataka.

Publication Details: (Provide only the count)

Category	Conferences	Journals
National	4	
International	6	6

Ph D / MS / M Tech / B. Tech Guidance: NA

M Tech / B. Tech Guidance

Category	Completed	Ongoing
M. Tech		
B. Tech	10	1

Guest lecturers delivered: NA

Awards and Recognitions: NA

Academic Responsibilities

- Assisted For NAAC-2019 work with Campus co-coordinator
- Faculty Advisor for B. Tech Ceramic Technology Students
- Preparation of Syllabus R2019
- Preparation of lab manuals R 2019
- Assisted for End Semester examination for Nov/Dec 2016 with Chief Superintendent of Examinations
- A.C Tech Hostel Residence Counselor (Aug-2012 to Sep-2019)
- Have set more than 70 university examination question papers.
- Have organized department seminars
- Have set lab manuals for Glaze lab, Refractory lab and Ceramic Testing Lab.
- Have framed syllabus for Strategic Application of Ceramic Materials Lab

Workshops / Seminar / Short term Courses / FDP Organized: NA

Workshops / Seminar / Short term Courses / FDP Attended

S. No	Name of the Event	Duration	Organized by
1	Laboratory Management System as per ISO/IEC 17025:2017 and Internal auditing	17/09/2019-20/09/2019	Indian Rubber Manufacturers Research Association
2	One week Faculty Development Programme on 'Evolution of IOT and it's Real Time Applications'	13/07/2020-17/07/2020	Malla Reddy Institute of Technology and Science
3	National Webinar- Computational Chemistry on Biofuel Development	16/07/2020	St.Joseph's College of Engineering
4	National Webinar- Advances in the synthesis of Biopolymer-Ceramic Composites for Biological Applications	10/07/2020	Saveetha Engineering College
5	National Webinar- Unmanned Aerial Vehicle- A Sky Boon	04/07/2020	Sri Venkateshwara College of Engineering
6	National Webinar- Invention to Patent-Awareness and Strategies	02/07/2020	St. Joseph's Institute of Technology
7	One Day Awareness Workshop on Intellectual Property Rights-2019	27/09/2019	Anna University
8	Application of Ceramic and Polymer in 3D Printing	16/03/2019	Anna University
9	Training programme on Importance of assessment, Accreditation and Ranking in Higher Education institution	27/11/2018-28/11/2018	IQAC, Anna University

10	Seminar on Ceramic Composites	22/09/2017	Anna University
11	National Seminar on Ceramic Coatings	13/03/2017	Anna University
12	One day workshop on Refractory Material, Installation and Applications	5/10/2016	Anna University
13	National Seminar on Porous Ceramics	27/05/2016- 28/05/2016	Anna University
14	National Seminar on High Temperature Ceramics	19/02/2015- 20/02/2015	Anna University
15	Workshop on Innovation and entrepreneurship skills	18/04/2013	Anna University

Countries visited: NA

Membership, Committees, Boards etc

- Membership in Indian Ceramic Society

Other Interest: NA