

## **RESUME**

**Name** : E. Satheeshkumar  
**Designation** : Teaching Fellow  
**Date of Birth** : 01-06-1985  
**Permanent Contact Address** : 402, Savadi street  
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### **Academic Qualification:**

Course	Educational Institution	Class	Year of Passing
Ph. D	A. C. Tech Campus, Anna university	NA	2018
M. Tech Ceramic Technology	A. C. Tech Campus, Anna university	First	2011
M.Sc Materials science)	CEG campus, Anna university	Second	2008
B.Sc Physics	Arignar Anna Govt. Arts College, Cheyyar	First	2006

### **Areas of Interest/Research:**

- Solid Oxide Fuel Cell.
- Electronic Ceramics

### **Academic Experience:**

S.No	Post Held	Department	Duration
1.	Teaching Fellow	Department of Ceramic Technology, A.C.College of Technology, Anna University, Chennai – 600 025	20.06.2014 to Till date

## **Funded Research Projects:** NA

## **LIST OF PUBLICATIONS**

### **International / National Journals**

1. Gayathri, M., Shanthi, M., **Satheeshkumar, E.**, Jayaprakash, N. and Sundaravadivel, E. Preparation and characterization of boron-doped CN's/MnO<sub>2</sub> and its photocatalytic application of dye degradation. *Materials Today: Proceedings*, 42, pp.1506-1512. **(IF – 0.97) (2021)**
2. Lekha, P.C., **Satheeshkumar, E.** and Chandra, T.S., , November. 2D MoS<sub>2</sub> for sweat-based biosensor application. In *AIP Conference Proceedings*. Vol. 2265, No. 1, p. 030721. AIP Publishing LLC. **(IF – 0.40) (2020)**
3. **Satheeshkumar, E.**, Prabunathan, P., Anbarasi, P., Ilango, K. and Manohar, P., Temperature-dependent electrical properties of YSZ synthesized through microwave combustion. *Applied Physics A*, 126(10), pp.1-11. **(IF – 1.810) (2020)**
4. K Ilango, P Prabunathan, **E Satheeshkumar**, & P Manohar, 'Ceria doped Mullite reinforced polybenzoxazine nanocomposites with improved UV shielding and thermo mechanical properties', *Polymer Composites*, , 39(6), pp.2073-2080. **(2018)**
5. Anbarasi. P, **Satheeshkumar. E.**, K Ilango. & P Manohar M., Dielectric and conduction mechanism studies of Ni doped LiMn<sub>2</sub>O<sub>4</sub> synthesized by solution combustion method. *Ionics*, pp.1-11 **(2018)**.
6. **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*. 32:638–645, **(2017)**.
7. Anbarasi.P, **Satheeshkumar, E**, Ilango, K & Manohar, P 2017, Dielectric studies and conduction mechanism of Zn and Ag modified LiMn<sub>2</sub>O<sub>4</sub> synthesised by solution combustion method, *applied physics A Material science & processing*, 123(6), p.407. **(2017)**.
8. K Ilango, P Prabunathan, **E Satheeshkumar**, & P Manohar, 'Design of low dielectric constant polybenzoxazine nanocomposite using mesoporous mullite', *High Performance Polymers*, 29(2), pp.141-150. **(2016)**,
9. 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*, 57(5), pp.394-403. **(2016)**.

10. Anbarasi. P, **Satheeshkumar. E**, Chithralekha. P and Manohar. P “Synthesis of B-Site Substituted Cathode Material for Reduced Capacity Fading” International Journal of ChemTech Research Vol.8, No.8, pp 08-12, (2015)

**International / National Conference/Seminars/Symposium**

- 1) **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.
- 2) Ilango, K, **Satheeshkumar, E**, Anbarasi, P & Manohar, P (2013), ‘Effect of binder on the hardness behavior of Al<sub>2</sub>O<sub>3</sub>-3YTZP composites’, International Conference on Ceramic Science, Jamshedpur.
- 3) Anbarasi, P, **Satheeshkumar, E**, Ilango, K & Manohar, P (2013), ‘Synthesis of LiZn<sub>x</sub>Mn(2-x)O<sub>4</sub> (x = 0.1, 0.3, 0.5%) based oxide material for Li-ion battery,’ International Conference on Ceramic Science, Jamshedpur.
- 4) **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.
- 5) Ilango,K, **Satheeshkumar, E**, Anbarasi, P & Manohar, P (2014), ‘Effect of synthesis method on the mechanical properties of Al<sub>2</sub>O<sub>3</sub>-3YTZP composites’, National Conference on Hierarchically Structured Material , SRM University, Chennai.
- 6) Anbarasi, P, **Satheeshkumar, E**, Ilango,K, & Manohar, P (2014), ‘Effect of microwave calcination on LiMn<sub>2</sub>O<sub>4</sub>,LiZn<sub>x</sub>Mn(2-x)O<sub>4</sub> (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.
- 7) **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.
- 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) Anbarasi, P **Satheeshkumar, E**, & Manohar, P (2015), ‘Synthesis and Characterization of Metal Doped LiMn<sub>2</sub>O<sub>4</sub> Cathode Material for Lithium Ion Battery’ International Conference on Ceramic and Advanced Materials for Energy and Environment ,Christ University, Karnataka.

**Publication Details:**

Category	Conferences	Journals
National	3	1
International	6	9

**Ph D / MS Guidance**

Ph. D Supervisor Registration Number: Nil

**M Tech / B. Tech Guidance:**

Category	Completed	Ongoing
B. Tech	10	0

**Guest lecturers delivered:** NA

**Awards and Recognitions:** NA

**Academic Responsibilities:**

- A.C Tech Hostel “Residence Counselor” (Dec -2012 to Jan - 2015)
- Assisted For NAAC-2019 work with Campus co-coordinator
- Faculty Advisor for B. Tech Ceramic Technology Students
- Preparation of B.Tech & M.Tech Syllabus R2019
- Preparation of lab manuals for R 2019
- Assisted for End Semester examination for B.Tech Nov/Dec 2016 with Chief Superintendent of Examinations.

**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	National seminar on “Recent Trends in Advanced Ceramics”	27 <sup>th</sup> -28 <sup>th</sup> September 2007	Science and Humanities, MIT campus, Anna university
2	International Open Science Conference “ Global Environmental Change – Challenges and Innovations”	21 <sup>st</sup> – 24 <sup>th</sup> February 2012	Department of Applied Geology, University of Madras. Chennai – 25,
3	One day Workshop on “Psychological Counselling to Deal with Emotional Problems”	8 <sup>th</sup> June 2012	The Center for Empowerment of Women, Anna University, Chennai

4	Participated and Exhibited the Innovations In the “Technology Exhibition”	13 <sup>th</sup> -14 <sup>th</sup> May 2013	Center for technology development and Transfer, Anna University, Chennai
5	International Conference “Environmental Earth Science, Accomplishment, Plans and Challenges”	19 <sup>th</sup> – 22 <sup>nd</sup> March 2014	Department of Geology and Applied Geology, University of Madras, India & Instituto Politecnico Nacional(IPN), Mexico.
6	FDP- “ SAKSHAM – IT Champion Training Program”	15 <sup>th</sup> - 20 <sup>th</sup> Dec 2014	CUIC, Anna University Chennai
7	Workshop on “High Temperature Ceramics”	19 <sup>th</sup> -20 <sup>th</sup> Feb 2015	The Department of Ceramic Technology, A. C. Tech Campus, Anna University Chennai
8	National Seminar on “Porous Ceramics”	27 <sup>th</sup> – 28 <sup>th</sup> May 2016	The Department of Ceramic Technology, A. C. Tech Campus, Anna University Chennai

**Countries visited:** NA

**Membership, Committees, Boards etc:**

- Member of Indian Ceramic Society

**Other Interest:** NA