

## Faculty Profile

1. Name : S.Satheeskumar. S
2. Designation : Professor
3. Date of Joining : 03.12.2018
4. Nature of Association : Regular
5. E mail :  
satheeskumar@ksrct.ac.in
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### 7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Eduation)	Dravidan University, Kuppam, AP	April 2018	-	-
Ph.D (Physics)	Anna University, Chennai	April 2016	-	-
M.Phil., (Physics)	Annamalai University	June 2007	61.8%	First
M.Sc., (Physics)	Annamalai University	December 1999	62.5%	First
B.Sc., (Physics)	Madras University	December 1993	59.7%	Second
H.S.C.	Govt. Hr. Sec. School, Komarapalayam	September 1990	53%	Second
S.S.L.C.	Govt. High School, Kullanaickenpalayam,	March 1988	56%	Second

### 8. Teaching Experience

- Professor in Department of Nano Science and Technology 01.06.2019 to till date in K.S. Rangasamy College of Technology, Tiruchendode.
- Professor in Physics Department from 01.07.2015 to 31.05.2019 till date in KSR Institute for Engineering and Technology, Tiruchendode.
- Assistant Professor in Physics Department from 07.02.2011 to Jun 2015 in Sri Shanmugha College of Engineering and Technology, Sankari, Salem Dt.
- Assistant Professor in Physics Department from 12.11.2008 to 04.01.2011 in Rabintharanath Tagore college of Engineering for women, Sankari, Salem Dt.

- Assistant Professor in Physics Department from 10.07.2005 to 07.11.2008 in Sasuri College of Engineering, Vijayamangalam, Erode Dt.
  - Lecturer in Physics Department from 01.12.1999 to 30.06.2005 in Sri Ragavendra Polytechnic College, Komarapalayam, Namakkal Dt.
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## 9. Projects

### M.Phil.,

**Title:** “Effect of ketones on ionic and non-ionic solutions – ultrasonic studies”

### Ph. D

**Title:** “Exploration of Undoped, Magnesium doped, Magnesium and Aluminium co-doped ZnO nanoparticles and their Antimicrobial Applications”

**Title:** “A study on Adjustment problems of B.Ed., trainees in relation to their Achievement motivation and Attitude towards teaching”

## 10. Publications

### International Journals

1. **Satheeskumar, S**, Ramesh, K & Srinivasan, N 2014, ‘Exploration of synthesis, structural, morphology and antibacterial activity of  $Zn_{1-x}Mg_xAl_yO$  nano particles’, Digest Journal of Nanomaterials and Biostructures, Vol. 9, no. 4, pp. 1323-1330. (Annexure - I)
2. **Satheeskumar, S**, Ramesh, K, Srinivasan, N & Ramesh, PS 2014, ‘Evaluation of photo degradation efficiency of NaCMC capped ZnO NPs against methylene orange dye under sun light irradiation’, Journal of Indian Chemical society, (Annexure - II)
3. **Satheeskumar, S**, Ramesh, K & Srinivasan, N 2015, ‘Synthesis and characterization of chitosan and poly vinyl pyrrolidone (PVP) capped ZnO nanoparticles and their antibacterial activity against Escherichia coli and Staphylococcus aureus’, International Journal of ChemTech Research, Vol. 7, no. 5, pp. 2478 – 2482. (Annexure - II)
4. Srinivasan, N, Kannan, JC & **Satheeskumar, S** 2015, ‘Examination of antibacterial properties of pure and aluminum doped zinc oxide nanoparticles, International’, Journal of ChemTech Research, Vol. 7, no. 4, pp. 1708-1712. (Annexure - II)
5. Srinivasan, N, Kannan, JC & **Satheeskumar, S** 2015, ‘Antifungal activity of pure and aluminium doped zinc oxide nanoparticles against aspergillus nigar and aspergillus flavus’, Journal of PharmTech Research, Vol. 7, no. 2, pp. 287-290.(Annexure - II)
6. Vidhya, K, Saravanan, M. Devarajan VP, **Satheeskumar, S**, Ashraf Ali, M & Bhoopathi, G 2015, ‘Green Synthesis and Anti-Cancer Activity of Multifunctional ZnO:Mn-Natural Biomolecule Quantum Dots System’, Malaya Journal of Biosciences, Vol 9, no .4, pp. 1323-1330.
7. V.Jeevanantham, K.V.Hemalatha, **S.Satheeskumar**, (2016), Enhanced Antimicrobial Activities of Hybrid ZnMgAlO Nanocomposite by Soft Chemical Method, Journal of Advances in Chemistry 12 (26), 5730-5735

8. Srinivasan, N., J. C. Kannan, and **S. Satheeskumar**. "Antibacterial properties of aluminium, magnesium/nickel co-doped zinc oxide nanoparticles." *Journal of The Indian Chemical Society* 93.3 (2016): 305-308.
9. **Satheeskumar, S**, Jeevanantham, V, & Tamilselvi, D. (2018). "Effect of cu-doping on the structural and optical properties of ZnO nano crystallites prepared by chemical precipitation method". *Journal of ovonic research*, vol, 14(1), 9-15.
10. Jeevanantham, V., KV Hemalatha, and **S. Satheeskumar**. "Photodegradation activity of Pure, PVP Capped and Chitosan capped ZnO Nanoparticles against Azo red dye under UV-Irradiation." *Journal of Ovonic Research* Vol 14.4 (2018): 269-275.
11. **Satheeskumar, S.**, Vadivel, S., Dhanabalan, K. et al. *J Mater Sci: Mater Electron* (2018) 29: 9354. Satheeskumar, S., Vadivel, S., Dhanabalan, K. et al. *J Mater Sci: Mater Electron* (2018) 29: 9354.

#### **International Conferences**

1. **Satheeskumar S, K. Ramesh**, Synthesis characterization and photodegradation of PVP and Chitosan capped ZnO nanoparticles, *Nanomaterials and Nano Technology 2015*
2. **Satheeskumar S, J.C. Kannan**, Synthesis and structural, optical, magentic properties of ZnO NPs by soft chemical method, *AIMST University, Malaysia*.
3. **Satheeskumar S, P. Paramasivam**, Advanced Nanomaterials for energy, environment and Healthcare applications, *Recent trends in Engineering and Technology 2017*.

#### 11. **Personal Details**

**Fathers Name** : A. Siddraj

**Date of Birth & Age** : 07.06.1972 & 47 Years

**Gender** : Male

**Marital Status** : Married

**Permanent Address** : **79 / 90, JKK Nataraja Nagar,**  
Komarapalayam,  
Namakkal Dt,  
638 183,  
Tamilnadu, India.

**Date of joining** : **01.06.2019**

**Subject Handling** : **Basics of Nano Electronics**