DEPARTMENT OF CHEMISTRY

FACULTY PROFILES

Employee No : **148**
Name : **Dr. C. RAGUPATHI**
Designation : **Assistant Professor**
Qualification : **M.Sc., M.Phil., B.Ed.,Ph.D.,**
Age & Date of Birth : **31 & 02-01-1985**
Specialization : **General Chemistry**
Teaching Experience: **UG: 1 Year**

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Name and Address of the Institution	Designation	From	To	Total No. of Years
Sri Krishna engineering college,panapakkam, chennai	AP	9.9 2015	25.7. 2016	10 Months
SriRam College of Arts & Sciences, Perumalpattu	AP	26.7.2016	Till Date	4 Months

- **PUBLICATIONS**

ARTICLES (TOTAL ARTICLES: 12)

Papers published in international journals

1. A new approach: Synthesis, characterization and optical studies of nano-zinc aluminate**.** **C. Ragupathi,** L. John Kennedy, J. Judith Vijaya, Advanced Powder Technology, 25 (2014) 267-273.

2. Catalytic properties of nanosized zinc aluminates prepared by green process using Opuntia dilenii haw plant extract. **C. Ragupathi,** J. Judith Vijaya, S. Narayanan, L. John Kennedy, Seeram Ramakrishna, Chinese Journal of Catalysis, 34 (2013) 1951-1958.

3. Phytosynthesis of Nano $ZnAl_2O_4$ by using Sesamum (Sesamum indicum L.) Optical and Catalytic Properties **C. Ragupathi,** J. Judith Vijaya, A. Manikandan, L. John Kennedy Journal of Nanoscience and Nanotechnology, 13 (2013) 8298-8306.

4. Comparative investigation of nickel aluminate ($NiAl_2O_4$) nano and microstructures for the structural, optical and catalytic properties **C. Ragupathi,** J. Judith Vijaya, P. Surendhar, L. John Kennedy Polyhedron, 72 (2014) 1-7.

5. Preparation, characterization and catalytic properties of nickel aluminate nanoparticles: A Comparison between conventional and microwave method **C. Ragupathi,** J. Judith Vijaya, L. John Kennedy Journal of Saudi Chemical Society, (2014), doi: http://dx.doi.org/10.1016/j.jscs.2014.01.006.

6. Synthesis, characterization of nickel aluminate nanoparticles by microwave combustion method and their catalytic properties **C. Ragupathi**, J. Judith Vijaya, L. John Kennedy Materials Science and Engineering B, 184 (2014) 18-25.

7. Nanostructured copper aluminate spinels: Synthesis, structural, optical, magnetic, and catalytic properties **C. Ragupathi,** J. Judith Vijaya, L. John Kennedy, M. Bououdina Materials Science in Semiconductor Processing, 24 (2014) 146-156.

8. Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals, **C. Ragupathi,** J. Judith Vijaya, L. John Kennedy, M. Bououdina Ceramics International 40 (2014) 13067–13074.

9. Highly selective oxidation of benzyl alcohol to benzaldehyde with hydrogen peroxide by cobalt aluminate catalysis: A comparison of conventional and microwave methods

C. Ragupathi, J. Judith Vijaya, S. Narayanan S.K. Jesudoss, L. John Kennedy Ceramics International 41 (2015) 2069-2080.

10. Selective liquid phase oxidation of benzyl alcohol catalyzed by copper aluminate nanostructures **C. Ragupathi,** J. Judith Vijaya, R.Thinesh kumar, L. John Kennedy Journal of Molecular Structure 1079, Pages 182-188.

11. Synthesis, characterization and performance of porous Sr (II)-added $ZnAl_2O_4$ nanomaterials for optical and catalytic applications R. Thinesh Kumar, N. Clament Sagaya Selvam,

C. Ragupathi, L. John Kennedy, J. Judith Vijaya. Powder Technology, 224 (2012) 147-154.

12. Optical Properties and Dye-Sensitized Solar Cell Applications of ZnO Nanostructures Prepared by Microwave Combustion Synthesis A. Manikandan, J. Judith Vijaya, **C. Ragupathi,** L. John Kennedy Journal of Nanoscience and Nanotechnology, 13 (2013) 1-7.

- **JOURNALS**

  ARTICLES (TOTAL JOURNALS: 12)

Papers published in international journals

1. A new approach: Synthesis, characterization and optical studies of nano-zinc aluminate**.**

C. Ragupathi, L. John Kennedy, J. Judith Vijaya, Advanced Powder Technology, 25 (2014) 267-273.

2. Catalytic properties of nanosized zinc aluminates prepared by green process using Opuntia dilenii haw plant extract. **C. Ragupathi,** J. Judith Vijaya, S. Narayanan, L. John Kennedy, Seeram Ramakrishna, Chinese Journal of Catalysis, 34 (2013) 1951-1958.

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- **SEMINAR / CONFERENCE / WORKSHOP**

NATIONAL/ INTERNATIONAL

Research Experiences – **5 years in Nanomaterials for Energy & Environment**

Papers published in international journals-12

Total citations -171

Total impact factor- 25.18

Papers presented in international conferences-05

Papers presented in national conferences-02

Workshops attended-07

Participation in national conferences-05