

Name : Dr. R. Karthik

Designation :Assistant Professor & Head  
Dept. of Chemistry

Qualification :M.Sc., Ph.D

Date of Birth :13.06.1989

E-mail ID :karthikchem2013@gmail.com

Mobile Number 9790562888

Address :North street, Keelani laikottai, Pudukkottai.Area  
of Specialization : Materials Science  
Area of Research : Material Chemistry

Teaching Experience : 3 years



S.No	Name of the Institution	Period of Service
1	Vidhyaa Giri College of Arts and Science- Puduvayal	13-06-2018 to Till date

### Publications

- 1. R.Karthik** and S.Thambidurai, Synthesis of cobalt doped ZnO/reduced graphene oxide nanorods as active material for heavy metal ions sensor and antibacterial activity, **Journal of Alloys and Compounds 715 (2017) 254-265 (Elsevier I.F: 4.1)**
- 2. R.Karthik** and S.Thambidurai, Synthesis of RGO–Co doped ZnO/PANI hybrid composite for supercapacitor application, Journal of Material Science and Material Electronics **28 (2017) 9836-9851 (Springer I.F: 2.1)**
- 3. R. Karthik**, K. Pandiselvi, K. Mariyappan, K. Park· IS Kwak and J. Sivakamavalli, Synthesis of Biogenic Chitosan Biopolymer-Functionalized Zinc-Doped Bi<sub>2</sub>O<sub>3</sub>

Nanoneedles and Its Bio-applications: In Vitro Antibacterial and Anticancer activity 46(2021)  
5605-5618 (**Springer I.F: 1.7**)

### **Awards and Achievements**

1. **Junior Research Fellow-** (UGC-BSR, New Delhi)-Alagappa University,  
Karaikudi (22.10.2014 to 22.10.2016)
2. **Senior Research Fellow-** (UGC-BSR, New Delhi)-Alagappa University,  
Karaikudi, (22.10.2016 to 28.03.2018)