

Dr. Ramya P

Designation :Assistant Professor (Senior Scale)
Qualification :M. Sc. Ph. D
Experience :Teaching- 08 years
Research: 08 Years
Area of Interest :Polymer Nanocomposites, gas sensors
and Positron Annihilation Spectroscopy
Date of joining :17/08/2016
Email ID :ramyap@rvce.edu.in

Project:
Number of Doctorate Students

Completed: 00 Guiding: 00

Publication

National Journals	National Conferences	International Journals	International Conferences	Book/Book Chapter Published	Patent Granted
00	03	12	02		

List of Publications in International/National journals:

1. Gamma radiation-assisted diffusion of Au nanoparticles in nanocavities of Polycarbonate: Nano-structural and surface properties K Hareesh, D V Sunitha, P Ramya, J F Williams, S Samarin, S D Dhole and G Sanjeev, Material Research Express 5, 015304 (2018)
2. Structural and antibacterial properties of gamma radiation-assisted in situ prepared Ag-Polycarbonate matrix A V Deore, K Hareesh, P Ramya, E Ianni, P Guagliardo, S Samarin, J F Williams, S S Dahiwal, G Sanjeev, D Kanjilal, N A Dhole, K M Kodam, V N Bhorkar, S D Dhole, **Journal of Applied Polymer Science**, 133, 43729-1 - 43729-10, (2016)
3. Influence of polar groups in binary polymer blends on positronium formation. P Ramya, P Guagliardo, T Pasang, C Ranganathaiah, S Samarin and J F Williams, Physical Review E 87, 052602-1 – 052602-8, (2013)
4. A new insight into interface widths in binary polymer blends based on ortho-Positronium lifetime Studies. P Ramya and C Ranganathaiah, Journal of Applied Polymer Science, 127, 190- 199, (2013).
5. Interface profile studies in immiscible and partially miscible binary polymer blends from free volume measurement. P Ramya, D Meghala, T Pasang, J M Raj, C Ranganathaiah and J F Williams, Journal of Physics: C, 443, 012048-1-012048-4(2013)
6. Experimental determination of interface widths in binary polymer blends from free volume measurements. P Ramya, C Ranganathaiah and J F Williams, Polymer, 53, 4539-4546,(2012).
7. Variation of Lexan Polycarbonate Properties by Electron Beam. K Hareesh, C Ranganathaiah, P Ramya, R Bhargavi, Geetha G Nair, Sangappa and Ganesh Sanjeev, Journal of Applied Polymer Science, 127, 2010-2018 (2013)
8. Role of nano zinc oxide in the vulcanization of natural rubber. P Bindu, Sajeer Martin George, P Ramya, C Ranganathaiah and Sabu Thomas, Society of Plastic Engineers, DOI10.2417/spepro.004655 (2013)
8. Positron Annihilation Lifetime study of interfaces in ternary polymer blends. D Meghala, P Ramya, T Pasang, J M Raj, C Ranganathaiah and J F Williams, Journal of Physics: C, 443, 012047-1-012047-4(2013)
9. Influence of Clay Content and Amount of Organic Modifiers on Morphology and Pervaporation Performance of EVA/Clay Nanocomposites. Runcy Wilson, T S Plivelic, P Ramya, C Ranganathaiah, M Y Kariduraganavar, S Anilkumar, and Sabu Thomas, Industrial and Engineering Chemical Research., 50, 3986-3993 (2011).
10. An effective tool to characterize adhesion at the Interface of binary Polymer blends: A Free volume study. J M Raj, Abdullah M A M. Altaweel, M N

Chandrasekhar, P Ramya, H B Ravikumar and C Ranganathaiah, Journal of Polymer Engineering, 31, 93–96 (2011)

11. Mechanical and Micro structural properties of polystyrene based composites: Positron Lifetime Spectroscopy and DSC studies. Abdullah M A M Altaweel, J M Raj, M N Chandrashekar, P Ramya, P Sampathkumaran and C Ranganathaiah, Journal of Polymer Engineering. 31, 69-72 (2011).
12. Construction of concentration density profile across the interface in SAN/EVA Immiscible blend from positron lifetime parameters. P Ramya, D Meghala, T Pasang, and C Ranganathaiah, AIP Conf.Proc.1512, 700-701 (2013)
13. Information on individual Interfaces in Ternary Polymer Blends from Positron Annihilation Lifetime studies. D Meghala, P Ramya, T Pasang, H B Ravikumar and C Ranganathaiah, AIP Conf. Proc. 1447, 641-642 (2012)
14. A new insight into interfaces of immiscible binary polymer blends from the free volume approach. P Ramya, D Meghala, T Pasang, J M Raj, M N Chandrashekar and C Ranganathaiah, AIP Conf. Proc. 1447, 639-640 (2012).
15. Hydrodynamic interaction in Binary Polymer Blends measured experimentally from Ortho Positronium lifetime. P Ramya, J M Raj and C Ranganathaiah, AIP Conf. Proc.1349, 465-466,(2011).

Interaction with outside world :

1. Honorary Research Fellow (February 2015 – February 2018) - School of Physics, University of Western Australia, Perth, WA- 6009
2. Postdoctoral Research Fellow (March 2015 – March 2016) - Antimatter and Nuclear Engineering group, Department of Applied Physics, Aalto University School of Science, Finland.
3. Research Assistant Professor (November 2014 – February 2015) - ARC Centre for Antimatter and Matter Studies, School of Physics, University of Western Australia, Perth, WA-6009
4. Endeavour Post-Doctoral research (March 2014–September 2014) – ARC Centre for Antimatter and Matter Studies, School of Physics, University of Western Australia, Perth.

Awards :

Australian Government Endeavour Research Fellowship, 2014 A highly competitive fellowship that funds the recipient for 6 months to carry out their proposed research in a lab within a network of excellence in Australia.

Achievements:

NPTEL Swayam Courses completed

Course Title Grade

1. Semiconductor Optoelectronics- Elite - 62%
2. Non-Conventional Energy resources- Elite + among top 5% scorers – 95%
3. Nanotechnology, Science and Applications- Elite - 70%