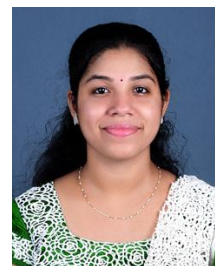


CURRICULUM VITAE



ANNU RAJU

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Objective:

To pursue an ambitious career in a reputed organization, where I could utilize my inter-personal skills and abilities to the maximum and serve them the best way possible.

Achievements: QUALIFIED CSIR JRF -NET JUNE 2009

Academic Qualifications:

Qualification	Course	Institute	Year of Passing	Percentage Obtained
SSLC	SSLC	Rani Jai Higher Secondary School	2001	92.5
Under Graduation	Plus-Two	Nirmala Matha Central School, C.B.S.E	2003	64
Graduation	B.Sc Chemistry	Nirmalagiri College, Kannur University	2006	90.2
Post Graduation	M.Sc Chemistry	University of Mysore, Mysore.	2008	67

Teaching and Research Experience

Guest Lecturer, Department of Chemistry, St.Teresa's College, Ernakulam, Kerala. (3 years -2016 onwards)

Research Performance

Completed Ph.D. under the supervision of **Dr. T.P.D. Rajan** and co-supervision of **Dr. C. Pavithran** under Kerala University at CSIR-National Institute for Interdisciplinary Science and Technology ,Trivandrum.

Title of Ph.D Topic :- “Self-Assembling and Anti-corrosion characteristics of Polystyrene Clay Nanocomposites”

LIST OF PUBLICATIONS - International

1. Adduct modified nano-clay mineral dispersed polystyrene nanocomposites as advanced corrosion resistance coatings for aluminum alloys, **Annu Raju**, V. Lakshmi, R.K. Vishnu Prataap, V.G. Resmi, T.P.D. Rajan, C. Pavithran, V.S. Prasad, S. Mohan., Applied Clay Science 126 (2016) 81 –88.
2. Amino-functionalized breath-figure cavities in polystyrene–alumina hybrid films: effect of particle concentration and dispersion., Lakshmi V., **Annu Raju**, Resmi V.G., Jerin K. Pancreicious, Rajan, T.P.D., Pavithran C., Phys. Chem. Chem. Phys. 2016, 18, 7367.
3. Concentration dependent pore Morphological tuning of Kaolin Clay Foams using Sodium dodecyl sulfate as Foaming Agent., Lakshmi V, Resmi V G, **Annu Raju**, Deepa J P, Rajan T P D, Pavithran C, Pai B C, Ceramics International, 2015, 41(10):14263-14269.
4. Microstructural Aspects of Particle-Assisted Breath Figures in Polystyrene– Alumina Hybrid Free Standing Film., Lakshmi Vijaya, Ramya Rajan, **Annu Raju**, Thazhivilai Ponnu Devaraj Rajan, and Chorappan Pavithran, The Journal of Physical Chemistry C, 2017, 121 (28), 15154–15159.
5. Micropatterning of Polystyrene-Alumina Nanocomposite Film by Nonsolvent Induced Phase Separation., Lakshmi V, **Annu Raju**, Rajan T P D, Pavithran C, Pai B C, Materials Science Forum, 2015, 830-831:569-572.

BOOKS AUTHORED AND EDITED

Advanced Organic Chemistry, First edition, published by Teresian Publishing House, Ernakulam based on restructured syllabus for undergraduate complementary courses common for Botany, Zoology and Family and Community Science, Year: November, 2017. ISBN: 9788172550929.

AWARDS RECIEVED

1. **BEST PAPER AWARD:** “ Effective enhancement of anticorrosion properties of polystyrene on Aluminum alloys by polystyrene-clay nanocomposite coatings”, **Annu Raju**, R.K. Vishnupratap, N.Anand, T.P.D. Rajan, C. Pavithran, B.C. Pai., 17th National congresson corrosion control-NCCI, CSIR-CECRI, August-2014.
2. **BEST POSTER AWARD:** Micropatterned Polystyrene Alumina Composite induced by Phase Separation Technique, Lakshmi V., **Annu Raju**, T.P.D. Rajan, C. Pavithran, B.C. Pai, National Conference on Recent Trends in Materials Science And Technology , IIST Trivandrum, July 2013.

PAPERS PRESENTED AT CONFERENCES (POSTERS/ORAL)

1. Mid-CRSI conference held at NIIST (CSIR), Trivandrum during 23-24 July 2010.
2. “Polymer Science and Technology: Current Trends and Future Scenario” workshop organized by the Society for Polymer Science, Trivandrum Chapter on 24 January 2010.
3. International Conference on Recent Trends in Materials Science and Technology held at Trivandrum during Oct 29-31 2010
4. National seminar on “Frontiers in Chemistry” organized by IIST, Trivandrum on 7-8th December 2011.
5. International Conference on Advances in Metallic Materials and Manufacturing Processes for Strategic Sectors, Trivandrum, January 19-21, 2012.
6. CRSI conference held at CSIR-NIIST, Trivandrum during February 4-6th 2012.
7. International Conference on Advanced Functional Materials, Trivandrum, February 19-21, 2014.
8. National Conference on Materials Science And Technology, IIST, Trivandrum, July 28-30, 2014.

9. 17th National Congress on Corrosion Control -NCCI, CSIR-CECRI, Karaikudi, August 21-23, 2014.
10. International Seminar on “Recent Advances in Solar Energy Applications”, Rase- 2016, St. Teresa’s College, Department of Chemistry, Ernakulam, 15 December 2016. **Oral presentation** on "Solvent Assisted Self-Assembling and Anticorrosion Properties of Polystyrene Clay Nanocomposites".

Membership in Professional societies:

- Member, Indian Institute of Metals.
- Member, Society of Polymer Science
- Member, Materials Research Society of India

Area of Interest:

- Functionally Graded Materials
- Polymer clay composites
- Inorganic Chemistry
- Structure-property correlations
- Spectroscopy Technique

Scientific Instruments Used:

- UV-Visible Spectrophotometer
- Optical Microscopy
- Stereo Microscopy

Professional Strengths / Skills:

- Good Interpersonal skills
- Strong desire for acquiring knowledge.
- Positive Thinking

Personal Profile:

Marital Status	Married
Date of birth	29-04-1986
Gender	Female
Nationality	Indian
Languages known	Read : Malayalam, English and Hindi Write : Malayalam, English and Hindi Speak : Malayalam, English, Hindi, Tamil and Kannada
Interests	Dancing, Traveling, Cooking, and Listening to music

References:

Dr. T.P.D. RAJAN Scientist - E MSTD-Division, CSIR-National Institute of Interdisciplinary Science and Technology, Industrial Estate P. O., Pappanamcode Trivandrum - 695 019. Kerala. Tel: 0471-2515327 Email: tpdrajan@gmail.com	Dr. B.C. Pai Scientist - G Former Director, CSIR-National Institute of Interdisciplinary Science and Technology, Industrial Estate P. O., Pappanamcode Trivandrum - 695 019. Kerala. Tel: 0091-471-2515238; Email: bcpai12@rediffmail.com
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