

## Dr. ANITHA C. KUMAR, Ph. D



Associate Professor, Department of Applied Chemistry  
Cochin University of Science and Technology  
Kerala

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### EDUCATION

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- (2003 July – 2008 July) **Ph.D** in Polymer Science  
“FLUORESCENCE STUDIES ON POLY(N-ISOPROPYLACRYLAMIDE) (PNIPAM) AND POLY(VINYL ALCOHOL) (PVA) HYDROGELS”  
*Advisor:* Professor Ashok K. Mishra, Department of Chemistry  
Indian Institute of Technology Madras, Chennai, India
- (1998 October – 2001 Jan) **M.Sc.** Specialised in Inorganic Chemistry  
Mahatma Gandhi University, Kottayam, Kerala, India.
- (1995 July – 1998 March) **B.Sc.** Specialised in Chemistry  
Chemistry, Mathematics and Physics  
Mahatma Gandhi University, Kottayam, Kerala, India.

### EXPERIENCE

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- (2021 Feb- Till ate) **Associate Professor**  
Department of Applied Chemistry  
Cochin University of Science and Technology, Kerala
- (2018 Nov – Till date) **Associate Professor**  
Department of Chemistry  
Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.
- (2006Nov -2018 Nov) **Assistant Professor**  
Department of Chemistry  
Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.
- (2014 July-2016 June) **Marie Curie Fellow**  
Chemical Engineering and Applied Chemistry  
Aston University, Birmingham, UK.
- (2010 May – 2011 May) **Postdoctoral Research Associate (PDRA)**  
“STUDIES OF INTERACTIONS BETWEEN BLOCK COPOLYMERS AND NANOPARTICLE SURFACES, AS WELL AS NANOPARTICLE SYNTHESIS”  
*Advisor:* Professor Virginie Ponsinet, Centre de Recherche Paul Pascal  
115, Avenue Schweitzer - 33600 Pessac, France.
- (2008 October – 2010 April) **Postdoctoral Research Associate (PDRA)**  
“ISOTHERMAL CALORIMETRY AS A PROBE OF INTERACTIONS

BETWEEN MAGNETIC NANOPARTICLES, PLASMA PROTEINS AND CELLS”

*Advisor:* Professor Sebastien Lecommandoux, Laboratoire de Chimie des Polymères Organiques, Ecole Nationale Supérieure de Chimie et de Physique de Bordeaux, 16 avenue Pey Berland - 33607 Pessac, France.

(July 2003 – 2008 July)

**Research Scholar**

“PHYSICAL PHOTOCHEMISTRY”

Department of Chemistry, Indian Institute of Technology Madras.

(2002 Sept - 2003 July)

**Part time chemistry teacher for 10+2 students**, alongside preparation for CSIR Examinations.

(2002 April - 2002 September) **Junior Scientific Officer**

Polymer testing laboratory, Common Facility Service Centre, Industrial Department, Govt. of Kerala, India.

(2000 October- 2001 January) **MSc Project Student**

*Advisor:* Dr. K. G. K. Warrior, Structural and Ceramics Division, National Institute for Interdisciplinary Science and Technology(NIIST-CSIR), Thiruvananthapuram, Kerala, India.

## MAJOR RESEARCH PROJECTS

| SI No | Sponsoring Agency | Title of the Project   | Period (months) | Amount (Lakhs) | Status    | PI/Co-PI |
|-------|-------------------|--|-----------------|----------------|-----------|----------|
| 1     | SERB, DST         | Isothermal Titration Calorimetry as a Probe for the Interaction between Proteins and Polymer/Peptide Nanoparticles | 36              | 41.39          | Ongoing   | PI       |
| 2     | SERB, DST         | Fluorescence Spectroscopy as a Probe for Polymer-Peptide Gelation  | 36              | 18.3           | Ongoing   | PI       |
| 3     | SERB, DST         | Fluorescence Spectroscopy as a probe of Interactions Between Stealth Polymersomes and Plasma Proteins              | 36              | 23.15          | Completed | PI       |

## CONFERENCES ORGANIZED

1. Convener, National Seminar on Advanced Functional Materials, 23<sup>rd</sup> September 2019, Department of Chemistry, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
2. Convener, National Seminar on Recent Developments on Chemistry and Forensic Science, January 10-11, 2019 Department of Chemistry, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
3. Organizing Committee Member, MTCS 2013, Department of Chemistry, Acharya Nagarjuna University, Guntur, Andhra Pradesh

## PUBLICATIONS

- 1) **Anitha C. Kumar** and A. K. Mishra, “Fluorescence studies on poly(*N*-isopropylacrylamide) (PNIPAM) thermoreversible gel” *Proceedings of international conference on molecules to materials-2006, Longowal, Chandigarh*, 382-386, March 3-4, **2006**.
- 2) **Anitha C. Kumar** and A. K. Mishra, “1-Naphthol as an excited state proton transfer fluorescent probe for sensing bound - water hydration of polyvinyl alcohol” *Talanta*, 71, 2003–2006 , **2007**.

- 3) **Anitha C. Kumar**, S. Boral, H. B. Bohidar and A. K. Mishra, "Modifying the aggregation behavior of Poly(*N*-Isopropylacrylamide) thermoreversible gel by a bile salt" *Journal of Physics: Conference Series*, 80, 12011, **2007**.
- 4) **Anitha C. Kumar**, A. K. Mishra and H. B. Bohidar, "The effect of sodium cholate aggregates on thermoreversible gelation of Poly(*N*-isopropylacrylamide)" *Colloids and Surfaces B: Biointerfaces*, 70, 60–67, **2009**.
- 5) **Anitha C. Kumar**, H. Erothu, H. B. Bohidar and A. K. Mishra, "Bile salt induced aggregation of poly(*N*-isopropylacrylamide) and lowering of the lower critical solution temperature in aqueous solutions" *Journal of Physical Chemistry B* 115, 433-439, **2011**.
- 6) S. Louguet; **Anitha C. Kumar**, G. Sigaud, E. Duguet, S. Lecommandoux, C. Schatz, "A physico-chemical investigation of poly(ethylene glycol)-block-poly(L-lysine) copolymer adsorption onto silica nanoparticles". *Journal of Colloid and Interface Science*, 359, 2, 413-422, **2011**.
- 7) **Anitha C. Kumar**, L. Stéphanie, S. Christophe, S. Lecommandoux, "Protein interaction with block copolymer/silica hybrid nano particles", *Langmuir*, 27, 21, 12891–12901, **2011**.
- 8) C. Tallet, J. Ieaud, O. Merchirs, **Anitha C Kumar**, F. Nallet, A. Aradian and V. Ponsinet, "Self-Assembly as a fabrication tool: Plasmonic particles organized in nanostructured polymer matrices, *Conference proceedings: metamaterials 2011: The fifth international congress on advanced electromagnetic materials in microwaves and optics*, 60-62, **2011**.
- 9) Harikrishna Erothu, Arun A. Sohdi, **Anitha C. Kumar**, Andrew J. Sutherland, Christine Dagron-Lartigau, Ahmed Allal, Roger C. Hiorns, Paul D. Topham, "Facile synthesis of poly(3-xylythiophene)-blockpoly(ethylene oxide) copolymers via Steglich esterification". *Polymer Chemistry*, 4 (13), 3652-3655, **2013**.
- 10) Harikrishna Erothu and **Anitha C Kumar**, "Hydrophilic Polymers", *Biomedical Applications of Polymeric Materials and Composites* edited by Prof. Raju Francis and Prof. D. Sakthi Kumar, WILEY PUBLISHERS, **2016**
- 11) **Anitha C Kumar** and Harikrishna Erothu, "Synthetic polymer hydrogels", *Biomedical Applications of Polymeric Materials and Composites* edited by Prof. Raju Francis and Prof. D. Sakthi Kumar, WILEY PUBLISHERS, **2016**
- 12) **Anitha C Kumar**, "Peptide hydrogels for biomedical applications" *Proceedings of national seminar on recent advancements in material sciences (RAIMS)*, 15, 17-18 March, **2018**
- 13) **Anitha C Kumar**, "Preparation of metamaterials by incorporation of plasmonic particles in polymer matrix" *Proceedings of International conference on supercapacitors, energy storage and applications (ICSEA)*, 188, 8-10 March, **2019**.
- 14) Jaanbee Shaik and **Anitha C Kumar**, 8-Anilino-1-naphthalenesulfonate (ANS) as a probe for Poly(vinyl alcohol)(PVA) swelling, *International Journal of ChemTech Research*, 13, **2019**

15) SK Janbee and **Anitha C Kumar**, Swelling behaviour of Poly(vinyl alcohol)(PVA) gels – A Fluorescence study by using 8- anilino-1-naphthalene sulfonate (ANS) as a probe, *Proceedings of International Conference on Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine (AMCI-19)*, 1-2, January 30-31, **2019** ISBN: 978-93-81402-64-1 2(1-3)2019

16) Koteswara Rao Adusumalli and **Anitha C. Kumar**, Novel sensitive UV spectrophotometric method for the determination of Atazanavir, *Journal of Applicable Chemistry*, 2411-2416, 8(6), **2019**

17) Koteswara Rao Adusumalli and **Anitha C. Kumar**, A Simple UV spectrophotometric estimation of antiretroviral drug, Saquinavir ( Submitted)

18) Jaanbee Shaik and **Anitha C. Kumar**, “Nanostructures for biomedical devices”, *Nanoscale Processing* edited by Prof. Sabu Thomas and Dr Preetha Balakrishnan, Elsevier, PUBLISHERS, **2020**

19) N. Srikanth and **Anitha C kumar**, Preparation of Guar gum Hydrogels, Abstracts in International Conferences, (In Revision)

20) **Anitha C kumar**, Nanostructured polymersomes for drug delivery applications, 5th International Conference on Nanotechnology for Better Living (NBL-2019),; Editor: Dr. M. A. Shah and Prof.P. Banerji, ISBN:978-81-939516-0-6, Applied Science Innovations Pvt.Ltd., India, 2019

21) **Anitha C Kumar**, “A bistable electro-optical novel switching of phase variance in liquid crystalline hybrid materials”, *Functional Materials Processing for Switchable Device Modulation* edited by Prof .Sabu Thomas and Dr Kaushik Pal (In Press)

22) Srikanth Namburu and **Anitha C Kumar** , “Polymeric Hybrid Composite for Energy Storage Applications”, *The Role of Nanomaterials in Renewable Energy Conversion Cells*, Edited by Dr Kaushik Pal, Benthamscience (In Press)

## **CONFERENCES**

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### **International level in Abroad:**

- 1) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, UK-India Symposium on Functional Materials, 21<sup>st</sup> June **2016**, University of Edinburgh, UK.
- 2) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, 3rd Annual Peptides Congress 2016, 18-19 April **2016**, Novotel London West, UK.
- 3) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, RSC Faraday Division Sponsored Meeting on Self-Assembling Materials for Biomedicine, 14th April **2016**, Shinfield Grange, Cutbush Lane, Shinfield, Reading, Berkshire, RG2 9AF.
- 4) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, Macro Group UK Young Researchers Meeting, 5-6<sup>th</sup> April **2016**, University of Liverpool, UK.
- 5) **Anitha C.Kumar**, Harikrishna Erothu, Giuseppe Battaglia, Paul D.Topham, Hybrid polymer-peptide hydrogels for Cell Therapy. 250th ACS National Meeting 16- 20 August, **2015**, Boston, Massachusetts, USA.

- 6) **Anitha C. Kumar**, Harikrishna Erothu, Giuseppe Battaglia, Paul D. Topham, RGD peptide based hydrogels for cell therapy. Frontiers in Polymer Science Conference, 20-22 May, **2015**, 4 Riva del Garda, Italy.
- 7) **Anitha C. Kumar**, Harikrishna Erothu, Ashok K. Mishra, Effect of NaC and PVA on the phase transition behaviour of PNIPAM – A fluorescence study. Frontiers in Polymer Science Conference, 20-22 May, **2015**, 4 Riva del Garda, Italy.
- 8) **Anitha C. Kumar**, Harikrishna Erothu, Giuseppe Battaglia and Paul D. Topham, Synthesis of RGD based peptide hydrogel. Nanopeptide 2015: Peptide & Protein Based Materials & Technologies, March 2 – 4, **2015**, University of Strathclyde, Glasgow, UK.
- 9) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, ARCHA meeting, 16<sup>th</sup> July **2015**, Aston University, Birmingham, UK.
- 10) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, Recent Appointees in Polymer Science (RAPS) 16th Annual Meeting 2-4 September **2015** – School of Chemistry – University of Birmingham, UK.
- 11) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, ECR meeting, 23-24 September **2015**, Aston University, Birmingham, UK.
- 12) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, PERCAT Research Gala, 27th October **2015**, University of Birmingham, Birmingham, UK.
- 13) **Anitha C. Kumar**, Harikrishna Erothu, G. Battaglia, Paul D. Topham, McBain Awards Day, 8th December **2015**, SCI, London, UK.
- 14) **Anitha C. Kumar** and Paul D. Topham, Hybrid polymer-peptide hydrogels for cell therapy. ECR meeting, 25-26 September **2014**, Aston University, Birmingham, UK.
- 15) Harikrishna Erothu, **Anitha C. Kumar**, Jonathon R. Snelling, Kameel D. Sawalha, Andrew J. Sutherland, Roger C. Hiorns, Paul D. Topham, “P3HT-*b*-PEO synthesis via “metal-free” coupling for organic solar cells”. IUPAC 10th International Conference on Advanced Polymers via Macromolecular Engineering, August 18 – 22, **2013**, Durham, UK.
- 16) Harikrishna Erothu, **Anitha C. Kumar**, Andy Sutherland, Roger C. Hiorns, Paul Topham, “Block copolymers for improving stability of Organic solar cells” 11<sup>th</sup> International conference on materials chemistry. July 8-11, **2013**, Warwick, UK.
- 17) C. Tallet, J. Vieaud, O. Merchiers, **Anitha C. Kumar**, P. C. Sivasankaran, F. Nallet, A. Aradian, V. Ponsinet, Self-assembly as fabrication tool: Plasmonic particles organized in nanostructured polymer matrices'. The 5<sup>th</sup> International Congress on Advanced Electromagnetic Materials in Microwaves & Optics, 10-15 October 2011, Barcelona, Spain.

- 18) C. Tallet, J. Vieaud, O. Merchiers, **Anitha C. Kumar**, F. Nallet, A. Aradian and V. Ponsinet, "Self-assembly as a fabrication tool: Plasmonic particles organized in nanostructured polymer matrices", SPP5 The 5<sup>th</sup> international conference on surface Plasmon photonics, May 15-20, **2011**, BEXCO, Busan, Korea.
- 19) **Anitha C. Kumar**, Christophe Schatz, Gilles Sigaud and Sebastien Lecommandoux, Formulation of polypeptide-based polymersomes and their interaction with model plasmatic proteins, Young Scientist Symposium, May 19-20, **2011**, IECB, Bordeaux, France.
- 20) **Anitha C. Kumar**, Christophe Schatz, Gilles Sigaud and Sebastien Lecommandoux, Formulation of polypeptide-based polymersomes and their interaction with model plasmatic proteins, MACRO 2010, 43<sup>rd</sup> IUPAC World Polymer Congress, 11-16 July **2010**, SECC, Glasgow, UK.
- 21) **Anitha C. Kumar**, Christophe Schatz, Gilles Sigaud and Sebastien Lecommandoux, Formulation of polypeptide-based polymersomes and their interaction with model plasmatic proteins, Suprabio 2010, October 14-15, **2010**, CRPP, Pessac, France.
- 22) **Anitha C. Kumar**, A. K. Mishra, Effect of Sodium Cholate on the Thermoreversible Gelation of Poly(*N*-Isopropylacrylamide) (PNIPAM), Journees GFP SUD-OUEST, February 5-6 **2009**, Eauze, France.
- 23) **Anitha C Kumar, (Invited Talk)** Preparation of Chitosan and Guar gum Hydrogels, "International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanaocomposites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2019) 6-8 December 2019, Kottayam, Kerala, India
- 24) **Anitha C Kumar, (Invited Talk)** Charectrization techniques of polymer and polymer peptide self-assemblies, Fifth International Conference on Polymer processing and Charecterzation( ICPPC-2019), 11-13 October, **2019**, MGU, Kottayam, Kerala India
- 25) **Anitha C Kumar, (Invited Talk)** Nanostructured Polymersomes for Drug Delivery Applications, International conference on Nanotechnology for Better Living (ICNBL-2019), NIT Srinagar & 7-11, April **2019**
- 26) **Anitha C Kumar**, Preparation of metamaterials by incorporation of plasmonic particles in polymer matrix, International conference on supercapacitors, energy storage and applications (ICSEA), 8-10 March, **2019**
- 27) **Anitha C kumar**, Polymer/Peptide Hydrogels for Biomedical Applications. International conference on Polymer science and technology (SPSI MACRO-2018), IISER Pune, NCL Pune & Pune University, 19-22 DECEMBER, **2018**
- 28) **Anitha C Kumar, (Invited Talk)** Polymeric Systems for Drug Delivery Applications, International Conference on natural polymers (ICNP-2018), 7-9 December, **2018**, MGU, Kottayam, Kerala India
- 29) **Anitha C Kumar**, Polymersomes and their interaction with Plasmatic Proteins, International conference on advancements in polymeric materials (APM 2018), February

- 2-4, **2018**, CIPET, Bhubaneswar, Odisha.
- 30) Jaanbi Shaik and **Anitha C kumar**, Fluorescence Studies of Acid-Catalised Crosslinking with PVA, International conference on “state of knowledge of chemistry in industry and environment “S.V.R.M. College ,Nagaram, Guntur, 22-24 th June ,2018
  - 31) **Anitha C Kumar**, Phenylalanine-RGD peptide hydrogels for cell therapy, Second International Conference on Advanced Polymeric Materials (ICAPM 2017), April 7-9, **2017**, MG University, Kottayam.
  - 32) **Anitha C. Kumar, (Invited Talk)**. Formulation of polypeptide-based polymersomes and their interactions with bovine serum albumin (BSA), International Conference on Advanced Polymeric Materials (ICAPM 2013), 11-13<sup>th</sup> October **2013**, Mahatma Gandhi University, Kottayam, Kerala, India.
  - 33) **Anitha C. Kumar**, Christophe Schatz, Gilles Sigaud and Sebastien Lecommandoux, Interaction of polypeptide-based polymersomes with model plasmatic proteins. International Seminar on Current Trends in Environmental Toxicology and Experimental Therapeutics. December 18-19, **2012**, Vikrama Simhapuri University, Nellore, A. P., India.
  - 34) **Anitha C. Kumar** and A. K. Mishra, “Effect of poly(vinyl alcohol) on the phase transition temperature of poly(*N*-isopropylacrylamide) - A fluorescence study” International Conference on Soft Systems (ICSS-2008), February 13-15, **2008**, Centre for Surface Science, Department of Chemistry, Jadavpur University, Kolkata-700032, West Bengal, India (**Received best poster presentation award**).
  - 35) **Anitha C. Kumar**, A. K. Mishra, “Fluorescence studies on poly(*N*-isopropylacrylamide) (PNIPAM) thermoreversible gel”, International Conference on Molecules to Materials, March 3-4, **2006**, Longowal, Chandigarh, India.
  - 36) **Janbee Shaik, Anitha C Kumar**, Fluorescence studies of ANS in poly (vinylalcohol) film at room Temperature, International Conference on Advanced Materials Chemistry at the interfaces of Energy Environment and Medicine”(AMCI 2019), Manonmaniam Sundaranar University, Tamil Nadu.

#### **National level:**

- 37) **Anitha C Kumar, (Resource person)**, “Fluorescence Studies on Polymeric Hydrogels” at the National Seminar on *Recent Trends and Challenges in Developing Green Chemical Methods for Industrial and Medicinal Applications (RTCDGCMIMA)* , Christ College, Iringalakkuda, Kerala, 19-20 February, 2020
- 38) **Anitha C Kumar, (Resource person)**, “Polymer and Peptide systems for Biological Applications” at Seminar on *Novel Trends in Polymeric materials: An inter Disciplinary Approach*, KE College, Mannanam, Kottayam, Kerala, 15 January, 2020

- 39) **Anitha C Kumar, (Resource person)**, “Polymeric Systems for Biomedical Applications” at *National Conference on Biomedical Polymers and Technology- An Eco friendly Approach*, Department of Chemistry, CARMEL College , Mala, Kerala, 14January, 2020
- 40) **Anitha C Kumar, (Resource person)**, “Polymers for Biological Applications” at *One Day national Symposium on Innovative Advances and Impact of the Chemical Elements for Sustainable Development* , JKC College, Guntur, Andhra Pradesh, 31 December 2019
- 41) **Anitha C Kumar, (Resource Person)**, Polymeric Materials for Biomedical Applications National Seminar on Advanced Functional Materials, 23rd September 2019, Department of Chemistry, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
- 1) **Anitha C Kumar, (Invited Talk)**, Polymeric systems for biomedical applications, National Seminar on Design strategies for functional materials, Christ College Iringalakkuda, October 16, **2018**
- 2) **Anitha C Kumar, (Invited Talk)** Recent Advances in Material Science (RAIMS–18) RAIMS 2018, 17-18 March, **2018**, Sambalpur University, Odisha
- 3) **Anitha C. Kumar**, Christophe Schatz, Gilles Sigaud and Sebastien Lecommandoux, Interaction of polypeptide-based polymersomes with model plasmatic proteins. Modern Trends in Chemical Sciences (MTCS-2013) 20-21<sup>st</sup> December **2013**, Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.
- 4) **Anitha C. Kumar** “Polymer-peptide nanoparticles for drug delivery applications” January 5, **2012**, **invited talk** at Dr. Goenka Government Degree College, Tadepalligudem, Andhra University, Andhra Pradesh, India.
- 5) **Anitha C. Kumar** “Polypeptide-based polymersomes and their interaction with model plasmatic proteins” January 6, **2012**, **invited talk** at GMR College of Education, Tadepalligudem, Andhra University, India.
- 6) **Anitha C. Kumar**, A. K. Mishra, “Naphthols and 3-hydroxyflavone as fluorescent sensors for polymer hydration”, Trombay Symposium on Radiation and Photochemistry, January 5-10, 2006, BARC, Mumbai, India.
- 7) **Anitha C. Kumar**, A. K. Mishra, “Effect of sodium cholate on the phase transition temperature of Poly(N-isopropylacrylamide)”. Annual IIT Madras Chemistry Symposium and the First Mid-Year of the CRSI, July 12-13, **2006**, IIT Madras, India.
- 8) **Anitha C. Kumar** and A. K. Mishra, “The effect of bile salt on the aggregation and LCST of Poly(N-isopropylacrylamide)”. National Symposium on Radiation and photochemistry, January 29–31, **2007**, NCUIFP, University of Madras, Chennai, India.
- 9) Y.A.J.S.Prasanna Kumari, Saichandra. J, **Anitha C. Kumar**, Y. Sunandamma, “Synthesis and characterization of capped gold nanoparticles with Tyrosine amino acid”. National Seminar on Emerging Trends in Material Science – An Application to Amorphous, Nano & Liquid Crystals, October 30, **2010**, Sir CR Reddy Autonomous College, Eluru, India.
- 10) **Anitha C Kumar**, AP science congress, 7-9 November, **2017**, Andhra University, Visakhapatnam.



11) **Anitha C Kumar**, Participated in AP Science congress-**2012**, November 14-16, 2012, Acharya Nagarjuna University, Guntur, Andhra Pradesh.

12) **Anitha C Kumar, (Resource Person)**, Add on Course in Chemistry&Industry, Department of Chemistry,TJPS College Guntur,16<sup>th</sup> September,**2019**

#### RESEARCH GUIDANCE:

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**PhD Awarded : 1**

**Thesis Title:** Sensitive Spectrophotometric Estimations Of Anti-Retroviral Drugs (HIV) Protease Inhibitors

**Name of Student:** Koteswara Rao Adusumalli

**MPhil Awarded:1**

**Thesis Title:** Preparation Of Guar Gum And Guar Gum/Poly(Vinyl Alcohol) Hydrogels By Using Different Cross Linkers

**Name of Student:** Namburu Srikanth

**MSc Projects Guided: 19**

#### AWARDS AND HONOURS

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- ✓ 2012 Selected for **Marie-Curie IEF 2012** Fellowship with good score of 93.9/100.
- ✓ 2010-2011 CNRS postdoctoral fellowship from France.
- ✓ 2008-2010 ANR postdoctoral fellowship from France.
- ✓ 2008 **Best Poster award** in International conference ICSS2008.
- ✓ 2005-2006 **Senior Research Fellowship** from University Grant Commission (UGC), India.
- ✓ 2003-2005 **Junior Research Fellowship** from University Grant Commission (UGC), India.
- ✓ 2002 Qualified in National level test, **Graduate Aptitude Test in Engineering (GATE)** conducted by Indian Institute of Technologies on behalf of Govt. of India.
- ✓ 2014 Member ROYAL SOCIETY OF CHEMISTRY (RSC)
- ✓ 2019 Associate fellow Andhra Pradesh Akademi of Science

#### PROFESSIONAL TRAINING RECEIVED

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| SI No | Year | Nature of Training   | Duration | Organization where training was provided  |
|-------|------|--|----------|---|
| 1     | 2013 | Special Winter School (Equivalent to one Orientation/Refresher course) | 21 Days  | ASC, University of Kerala, TVM            |
| 2     | 2014 | Refresher course in Environmental Science(Multidisciplinary)           | 21 Days  | ASC, University of Kerala, TVM            |
| 3     | 2016 | Special Summer School (Multidisciplinary refresher course)             | 21 Days  | ASC, University of Kerala, TVM            |
| 4     | 2018 | International workshop on Research Methodology and R-Programming       | 7 Days   | ISC, Acharya Nagarjuna University, Guntur |

**ADMINISTRATIVE/INSTITUTE SUPPORT WORK**

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| SI No | Section/Office/Institute level Committee                  | From                     | To                       | Position Held  |
|-------|---|--------------------------|--------------------------|--|
| 1     | Department Of Chemistry, Acharya Nagarjuna University     | 12-09-2018<br>01-07-2016 | 11-09-2020<br>20-02-2021 | Head,<br>Board of Studies<br>Member, Anti Raging<br>Committee member |
| 2     | Central Lab, Acharya Nagarjuna University                 | 03-12-2007               | 10-10-2008               | Assistant Director   |
| 3     | RUSA, Acharya Nagarjuna University                        | 01-08-2018               | 20-02-2021               | Assistant Coordinator  |
| 4     | Ladies Hostel, Acharya Nagarjuna University               | 20-03-2018               | 20-02-2021               | Deputy Warden  |
| 5     | Pareeksha Bhavan Acharya Nagarjuna University             | 01-01-2018               | 01-06-2020               | Assistant Chief<br>Teacher Associate                                 |
| 6     | Govt. Womens College, Guntur                              | 01-06-2009<br>01-08-2020 | 10-10-2010<br>20-02-2021 | Member, Board Of<br>Studies  |
| 7     | College Development Council, Acharya Nagarjuna University | 01-07-2016               | 20-02-2021               | Convenor & Member<br>In Different<br>Inspection<br>Committees        |
| 8     | TePP Out Reach Cum Cluster Innovation Centre(TOCIC)       | 30-12-2020               | 20-02-2021               | Assistant Coordinator  |

**DECLARATION:**

I hereby declare that the information given above is true to the best of my knowledge and belief.

Yours

Sincerely



(ANITHA C KUMAR)

