

CURRICULUM VITAE

Dr. P. MALLU, M.Sc., Ph.D.

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1011,"Trideva Nilaya" ,
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RESEARCH IDEAS:

A great deal of research in chemistry is devoted to the study of heterocyclic compounds and its biological applications. It is a vast and expanding area because of the obvious applications of compounds derived from heterocyclic rings in pharmaceutical, agriculture and other fields.

Polymer blends & alloys; Interpenetrating polymer networks of Polyurethanes; Polymer composites– modification, tribological, fractured toughness; Molecular transport; Conducting polymers; Biopolymers/biodegradable polymers- for drug delivery.

OBJECTIVE:

- To upgrade my knowledge and skill regarding the task, and to work for the growth and wealth of the institute.
- Aspiring for growth-oriented opportunities in research to improve research techniques and method development in Organic chemistry with a research group of repute.

EDUCATION QUALIFICATION:

- **Doctor of Philosophy (Ph.D.):** Thesis entitled “Studies on castor oil based polyurethane and its interpenetrating polymer networks” from University of Mysore, Mysore in the year **1999**.
- **Master of Science (M. Sc.)** in Chemistry from University of Mysore, Mysore in the year **1990**.
- **Bachelor of Science (B. Sc.)** from Yuvaraja’s College, University of Mysore, Mysore in the year **1988**.

RESEARCH/WORK EXPERIENCE:

Sept. 1990 to till date: Currently working as a Professor, Department of Chemistry,
Sri Jayachamarajendra College of Engineering, Mysore-570 006.

INSTRUMENTS HANDLING:

- SEM, FT-IR,
- UV-visible,
- TGA/DSC.

MEMBERSHIP OF PROFESSIONAL BODIES:

- Life Member of **Indian Society for Technical Education (ISTE)**,
- Life Member of **Indian Science Congress Association (ISCA)**,
- Life Member of **Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)**,
- Life Member of **International Association of Engineers (IAENG)**.
- Life member of **Indian Rubber Institute (IRI)**.
- Member of **Board of Studies** of NIE, Mysuru.

PERSONAL STRENGTHS:

- Ability to interact and associate with scientists from different disciplines and enjoy collaborative ventures.
- Good communication, teaching, interpersonal and laboratory management skills.
- Skilled for preparation of scientific manuscripts and conference presentations.

AWARDS/ ACHIEVEMENTS

- **As a Keynote speaker**- Topic: "Synthesis and Biological Activity of piperidine derivatives" at the Two Days International Conference on Polymers and Chemical Engineering (ICPCE-15) on 28th – 31st March 2015 at Singapore.
- **As a Invited speaker**- "Design, Synthesis of Piperidine Derivatives for Anti-cancer and Anti-Inflammatory Agents" presented at the 7th National Conference on Novel Polymeric Materials held on 15-16 September 2017 at Sri Jayachamarajendra College of Engineering, Mysore.
- **Reviewer**- Journal of Medicinal Chemistry Research.

CONFERENCE/SEMINARS ORGANIZED:

- Organized a One day Seminar on **Chemistry of Materials** on 25th November 2011 as a Coordinator.
- Organized Two days National Conference on **Recent Trends in Chemical Research** on 3rd & 4th of January 2014 as an Organizing Secretary.
- Organized One day International Symposium on **Advanced Materials** on 27th December 2017 as an Organizing Secretary.

PROJECTS SANCTIONED:

- UGC funded major R&D Project Titled "Dual Treatment of Dairy Waste Water using Electrochemical Coagulation (ECC) and Adsorption" as a Co-Investigator 2010-13-**Completed**. Sanctioned amount **Rs.8.5 lakhs**.
- UGC funded major R&D Project Titled "Synthesis, Characterization and Biological Activity of Some Organic Compounds" as a Principal Investigator 2013-17-**Completed**. Sanctioned amount **Rs.8.28 lakhs**.

PhD STUDENTS REGISTERED:

Sl. No.	Date of Registration	University	Research Candidates	Research topic	Status
1.	20-05-2011	VTU, Belgaum	Smt. Nagashree S	Synthesis, characterization and biological activity of some Schiff base compounds.	Awarded
2.	20-05-2011	VTU, Belgaum	Mr. Chandrashekar.G.K	Synthesis and biological evaluation of oxadiazole and pyrimidine derivatives.	Awarded
3.	20-12-2012	VTU, Belgaum	Mr. Shankar N	Development and Validation of novel analytical methods for drugs.	Work under Progress
4.	20-06-2013	VTU, Belgaum	Mr. SanthoshM.V.	Synthesis of some new azo compounds and their anticancer activity.	Work under Progress
5.	20-06-2013	VTU, Belgaum	Mr. Karthik.C.S	Synthesis and biological activity of piperazine and piperidine derivatives.	Awarded
6.	30-6-2016	VTU, Belgaum	Mr. Nagendra Prasad.H.S	Synthesis of triazole metal complexes and their anti cancer activity	Work under Progress

LIST OF RESEARCH PUBLICATIONS (Published/Communicated)

- 1) C. S. Karthik, H. M. Manukumar, S. Sandeep, B.L. Sudarshan, S. Nagashree, K.P. Rakesh, L. Mallesha, K.R.Sanjay, **P. Mallu**, and Hua-Li Qin, "Development of Piperazine-1-carbothioamide titivated chitosan silver nanoparticle (P1C-Tit*CAgNP) as promising anti-inflammatory candidate:A molecular docking validation" **RSC MedChemComm** 2017 (**Communicated**). (IF- 2.608)
- 2) C. S. Karthik, H. M. Manukumar, A. P. Ananda, S. Nagashree, L. Mallesha, S. Umesha, **P. Mallu**, and B. Yashwanth, Novel potent antibacterial benzodioxane coupled piperazine moiety decorated chitosan silver nanoparticles (Bcp*C@AgNPs) as anti-biofilm agent against methicillin-resistant Staphylococcus aureus (MRSA) **International Journal of Biological Macromolecules**, 2017 (**Communicated**). (IF- 3.671)
- 3) Hema M. K, Karthik C. S, Manukumar H. M, Karthik Kumara, Pampa K. J, Mallesha L, **Mallu P**, Umesha S, Ismail Warad and Lokanath N. K. "Synthesis and structural studies of (Z)-3-hydroxy-1-phenylbut-2-en-1-one copper (II) complexes as an excellent antimicrobial agent

- against methicillin-resistant *Staphylococcus aureus*” **Journal of Photochemistry & Photobiology, B: Biology**, 2017 (communicated). (IF- 2.673)
- 4) S. Nagashree, C S. Karthik, L. Mallesha, Rekha and **P.Mallu** “Synthesis and biological activity of 2-acetamido-5-aminopyridine schiff bases derivatives” **Journal of Saudi Chemical Society**, 2017 (communicated). (IF- 2.887)
 - 5) Nagaraju S, C. S. Karthik, Mallesha L, Lakshminarayana B.N, **Mallu P**, and Sridhar M.A. “Synthesis, Thermal, Optical, Spectroscopic and Structural Studies Of 2-Methoxybenzaldehyde” **Chemical Data Collections**, 2017 (communicated).
 - 6) C. S. Karthik, S. Naveen, **P. Mallu**, L. Mallesha, K. J. Pampa and N. K. Lokanath. “Thermal, Optical, Etching and Structural Studies of [1-(2,5-Dichloro-benzenesulfonyl)-piperidin-4-yl]-(2,4-difluoro-phenyl)-methanone oxime” **Molecular Crystals and Liquid Crystals**, 2015 (Accepted).
 - 7) Hema M. K., Karthik C. S, Ismail Waradb, Mousa Al-Noaim, Karthik Kumara, Mallesha L, **Mallu P**, and Lokanath N. K. “Novel copper(II)/phenathroline/4,4,4-trifluoro-1-phenylbutane-1,3-dione complex: Crystal structure,DFT, Hirshfeld surface, spectral, solvatochromism, thermal and DNA-binding analysis” **Journal of Molecular Structure**, 2018, 1157, 69-77 (IF- 1.753).
 - 8) S. Nagashree, C S. Karthik, B L. Sudarshan, L. Mallesha and **P.Mallu** “Synthesis and *in vitro* antimicrobial activity of 2-amino-3-chloro-5-(trifluoromethyl)pyridine derivatives” **Der Pharma Lettre**, 2017 (accepted).
 - 9) C. S. Karthik, H. M. Manukumar, A. P. Ananda, S. Nagashree, L. Mallesha, S. Umesha, **P. Mallu**, and N. B. Krishnamurthy. Synthesis of novel benzodioxane midst piperazine moiety decorated chitosan silver nanoparticles (BP*C@AgNPs) against biohazard pathogens and as potential anti-inflammatory candidate: An molecular docking proofs **International Journal of Biological Macromolecules**, 2018, 108, 489–502. 77 (IF-3.671).
 - 10) K.N. Chethan Pratap, C. S. Karthik, S. Naveen, Karthik Kumara, L. Mallesha, **P. Mallu** and N. K. Lokanath “Thermal, Optical, Synthesis, Crystal Structure and Hirshfeld Surface Analysis of 2-((Pyridin-4-yl)methyl)isoindoline-1,3-dione” **Chemical Data Collections**, 2017, 9(10), 164-174.
 - 11) Hema M K, Karthik C S, Karthik Kumara, Mallesha L, **Mallu P**, Lokanath NK “Crystal Structure and Hirshfeld Surface Analysis of 4-Nitrophenyl Isocyanate” **Der Pharma Chemica**, 2017, 9(7):8-12.
 - 12) C. S. Karthik, L. Mallesha, M. V. Santhosh, S. Nagashree, **P. Mallu** “Synthesis, Characterization, Antimicrobial Activity, and Optical Properties of Schiff Bases Derived from 4-(Aminomethyl) Piperidine” **Indian Journal of Advances in Chemical Science**, S1, 2016, 206-212. (IF-2.63).
 - 13) L Mallesha, C S. Karthik, Chethan Kumar and **P. Mallu** “Synthesis, Antioxidant and Antihemolytic Activities of (4-Nitro-benzylidene)-pyridin-3-ylmethyl amine” **Chemical Science Review and Letters**, 2016, 5(18), 183-190. (IF- 0.786).

- 14) Santosh Kumari, S. M. Abdul Shakoor, Kiran Bajaj, S. H. Nanjgowda, **P. Mallu**, Rajeev Sakhuja “Copper-catalysed CAN/CAO coupling in water: a facile access to N-coumaryl amino acids and fluorescent tyrosine & lysine labels” **Tetrahedron Letters**, (2016) 47(41), 2732–2736. (IF-2.379).
- 15) Shankara H Nanjgowda, Manasa G Papanna, **P Mallu**, S. Nanjunda Swamy, Raghu Ram Achar, KS Rangappa “A gradient based facile HPLC method for simultaneous estimation of antioxidants extracted from tea powder”. **Journal of Food Science and Technology**, 2016, DOI 10.1007/s13197-016-2183-2. (IF-2.20).
- 16) S Sandeep, A S Santhosh, N Kumara Swamy, G S Suresh, J S Melo, **P Mallu** “Biosynthesis of silver nanoparticles using *Convolvulus pluricaulis* leaf extract and assessment of their catalytic, electrocatalytic and phenol remediation properties” **Advanced Material Letters**, 2016, 7(5), 383-389. (IF-1.9).
- 17) Devesh S. Agarwal, Shankara H. Nanjgowda , Hasitha Shilpa Anantaraju, **P. Mallu**, Dharmarajan Sriram, Perumal Yogeewari, Rajeev Sakhuja, “Synthesis, characterization and biological evaluation of bile acid-aromatic/heteroaromatic amides linked via amino acids as anti-cancer agents”, **Steroids**, 2016, 107, 87-97. (IF-2.716).
- 18) C S Karthik, L. Mallesha, S. Nagashree, **P. Mallu**, Vasanth Patil, Sathish Kumar. Schiff bases of 4-(methylthio) Benzaldehydes: Synthesis, characterization, antibacterial, antioxidant and cytotoxicity Studies. **Current Chemistry Letters**, 5(2), 71–82, 2016. (IF-1.23).
- 19) N. Latha Rani, C.S. Karthik, **P. Mallu**, L. Mallesha and M. A. Sridhar “Synthesis, Crystal Structure and Hirshfeld Study of 3,3'-dinitrobenzophenone” **Journal of Applicable Chemistry** 2016, 5(1):231-241. (IF-0.654).
- 20) S. Nagashree, C S Karthik, B L Sudarshan, L. Mallesha, H P Spoorthy, K R Sanjay and **P. Mallu**. “In vitro antimicrobial activity of new 2-amino-4-chloropyridine derivatives: A structure-activity relationship study” **Journal of Pharmacy Research** 2015, 9(8), 509-516. (IF-2.89).
- 21) C S. Karthik, L. Mallesha and **P. Mallu**. “Investigation of Antioxidant Properties of Phthalimide Derivatives” **Canadian Chemical Transactions**, 2(3), 199-206, 2015.
- 22) C S. Karthik, L. Mallesha and **P. Mallu**. “Synthesis and In Vitro Biological Activity of [1-(Substituted-benzoyl)-piperidin-4-yl]-(2,4-difluoro-phenyl)-methanone Oximes, **International Journal Of chemical, Environmental & Biological Sciences**. 3(2), 2015, 156-161. (IF=1.26)
- 23) C S Karthik, L Mallesha, B Veeresh and **P Mallu**. “Antibacterial, antioxidant and antiproliferative Activities of 2-Piperazinoethylamine Derivatives” **International Journal of Research in Pharmacy and Chemistry**, 5(1), 157-166, 2015. (IF-0.510).

- 24) H. S. Nagendra Prasad, C. S. Karthik, L. Mallesha and **P. Mallu**. "A short review on biological activity of triazole containing metal complexes" **Asian Journal of Pharmaceutical Analysis and Medicinal Chemistry**, 2(4), 214- 229, 2014. (IF-0.879).
- 25) G K Chandrashekara, K Vinaya, N D Rekha and **P. Mallu**, "Synthesis and diverse *In Vitro* biological activities of 5-(4-Fluoro-3-nitrophenyl)-3-phenyl-1,2,4-oxadiazole derivatives" **Journal of Pharmacy Research**, 8(10),1544-1551, 2014. (IF-2.89).
- 26) Lingappa Mallesha, Chimatahalli S. Karthik, **Puttaswamappa Mallu**, Vasanth Patil. Synthesis, Characterization and Antibacterial Activity of Isoindoline-1,3-dione Derivatives. **SOP Transactions on Organic Chemistry**, 1(2), 21-28, 2014.
- 27) S. Nagashree, C S. Karthik, L. Mallesha, **P. Mallu** and S. Bindya. Antiproliferative Activity of New Schiff Bases Derived From 3-Fluoro-5-(trifluoromethyl)benzylamine. **Int. J. Sci. Research**, 3(10), 70-73, 2014 (IF= 1.80).
- 28) G. K. Chandrashekara, C.V. Kavitha, **P. Mallu** and K. Vinaya. "Pyrimidines: Synthesis and Antiproliferative Activity on Human Leukemia Cells" **Chemical Science Review and Letters**. 3(11), 462-477, 2014. (IF-0.786).
- 29) Chimatahalli S.Karthik, Lingappa Mallesha, M V Santhosh, and **Puttaswamappa Mallu** "In Vitro Antimicrobial Activity of Some New Azo Compounds Synthesized from 2-Amino ethyl Piperazine" **Chemical Science Review and Letters**. 3(10), 224-230, 2014. (IF-0.786).
- 30) Lingappa Mallesha, Chimatahalli S. Karthik, Kundachira S. Nithina, and **Puttaswamappa Mallu** "Synthesis and *In Vitro* Biological Activity of (*E*)-1-((4-Methyl-3-(4-(pyridin-3-yl)amino)phenyl)diazanyl)naphthalen-2-ol" **Chemical Science Review and Letters**, 2(5), 342-347, 2013. (IF-0.786).
- 31) S. Nagashree, L. Mallesha and **P. Mallu**. "Synthesis and *in vitro* biological activity of 6-chloropyridin-2-yl-amine derivatives". **Der Pharma Chemica**, 5(2), 50-55, 2013. (IF-0.98)
- 32) S. Nagashree, L. Mallesha, N. A. Chamaraja and **P. Mallu**. "Synthesis and antimicrobial activity of imatinib intermediates with chloranilic and picric acids". **JSSCM**, 1, 53, 2012.
- 33) S. Nagashree, **P. Mallu**, L. Mallesha and Bindya. "Synthesis, characterization and antimicrobial activity of methyl-2-aminopyridine-4-carboxylate derivatives". **Journal of Chemistry**, 2013, 5, 2012. (IF-0.996)
- 34) Siddaramaiah, **P. Mallu**, S. Roopa, H. Somashekarappa and R. Somashekar: "Physico-mechanical Optional and Waxes Studies on Castor Oil Based PU/Polyacrylates IPNS", **J. Appl. Polym. Sci.**, Vol. 95(3), pp. 764-773, 2005.

- 35) **P. Mallu**, Siddaramaiah and R. Somashekar: "Synthesis and Characterization of Castor Oil Based Polyurethane – Polyacrylonitrile Interpenetrating Polymer Networks", **Bull. Mater. Sci.**, Vol. 23, No. 5, pp. 413-418, October 2000.
- 36) Siddaramaiah, **P. Mallu** and A. Varadarajulu: "Interpenetrating Polymer Networks from Castor Oil Based Polyurethane and Polystyrene", **Polymer Degradation and Stability**, 63, 305-209, 1999.
- 37) Siddaramaiah, **P. Mallu**, H.G. Naik and T.M. Aminabhavi: "A Computer Simulation Method to Calculate Concentration Profiles in Polymeric Membranes", **J. Appl. Polym. Sci.**, Vol. 73, 2051-2055, 1999.
- 38) Siddaramaiah and **P. Mallu**: "Sorptions and Diffusion of Aldehydes and Ketones through Castor Oil Based IPN's of PU/PS", **J. Appl. Polym. Sci.**, 67, 2047-2055, 1998.
- 39) Siddaramaiah, **P. Mallu** and R. Somashekar: "Characterisation of Castor Oil Based IPN's of PU/PS", **J. Appl. Polym. Sci.**, 68, 1739-1744, 1998.

CONFERENCES ATTENDED:

- 1) C. S. Karthik, L. Mallesha, M. V. Santhosh, S. Nagashree, **P. Mallu** "Synthesis, Characterization, Antimicrobial Activity, and Optical Properties of Schiff Bases Derived from 4-(Aminomethyl) Piperidine" presented at the International Conference on Advanced Materials and Technology held on 26-28 May 2016 at Sri Jayachamarajendra College of Engineering, Mysore.
- 2) C. S. Karthik, L. Mallesha, M. V. Santhosh, S. Nagashree, **P. Mallu** "Synthesis And Biological Evolution Of 4-Aryl-1-(1,4-Benzodioxane-2-Carbonyl)Piperazines Derivatives" presented at the National Conference on Applications of Modern Analytical Techniques to Fundamental Research in Chemistry held on 9-10 March 2016 at PG department of chemistry, JSS college of Arts Commerce & Science, Mysore.
- 3) S. Nagashree, C S. Karthik, B L. Sudarshan, L. Mallesha and **P.Mallu** " Synthesis And *In Vitro* Antimicrobial Activity Of 2-Amino-3-Chloro-5-(Trifluoromethyl) Pyridine Derivatives" presented at the 103rd Indian Science Congress held on 3-7 January 2016 at Univeresity of Mysore, Mysuru.
- 4) Lingappa Mallesha, Chimatahalli S Karthik and **Puttaswamappa Mallu** " Synthesis and *In Vitro* Biological Activity of [1-(Substituted-benzoyl)-piperidin-4-yl]-(2,4-difluoro-phenyl)-methanone Oximes" presented at the Two Days International Conference on Polymers and Chemical Engineering (ICPCE-15) on 28th – 31st March 2015 at Singapore.
- 5) Karthik C S, L Mallesha and **P Mallu** "Investigation of Antioxidant Properties of Pthalimide Derivatives", presented at the National Conference on Current Trends in Chemical Biology Organized by PG Department of Chemistry, JSS College of Arts, Commerce & Science, Mysuru during 2-3 March 2015.

- 6) NanjundaSwamy G S, Mahesh B, Divakar S G, Channegowda D and **P Mallu** “Synthesis, Characterization and Catalytic Application of Functionalized Supporting Material with Ferrocene Appended Cobalt Phthalocyanine Complex”, presented at the National Conference on Current Trends in Chemical Biology Organized by PG Department of Chemistry, JSS College of Arts, Commerce & Science, Mysuru during 2-3 March 2015.
- 7) Shankara H N, Manasa G P, Jagadeesh Gopalan, K S Rangappa, **P Mallu** and S Nanjunda Swamy “A New HPLC method for the simultaneous estimation of Caffeine, (-)-Epigallocatechin gallate, (+)-Catechin, (-)-Epicatechin and (-)-Epicatechin gallate extracted from Tea powder”, presented at the International Symposium on Chemical Biology Approach to Metabiomics and Second Annual Meeting of Chemical Biology Society, India in University of Mysore, Mysuru during 18-19 February 2015.
- 8) Karthik C S, M V Santhosh, L Mallesha, K B Harsha, H N Shankar and **P Mallu** “Synthesis of [1-(Substituted-Isocyanate)-Piperidin-4-Yl]-(2,4-Difluoro-Phenyl)-Methanone Oximes and their biological activity”, presented at the International Symposium on Chemical Biology Approach to Metabiomics and Second Annual Meeting of Chemical Biology Society, India in University of Mysore, Mysuru during 18-19 February 2015.
- 9) Nagashree S, B L Sudarshan, L Mallesha, S Bindya, K R Sanjay and **P Mallu** “Synthesis of New Schiff Bases derived from 2-Amino-4-Chloropyridine as antimicrobial agents”, presented at the International Symposium on Chemical Biology Approach to Metabiomics and Second Annual Meeting of Chemical Biology Society, India in University of Mysore, Mysuru during 18-19 February 2015.
- 10) L Mallesha, Karthik C S, Darshan K M, and **P Mallu** “Synthesis and Spectroscopic Study of 2-(6-Chloropyridin-2-yl)isoindoline-1,3-dione”, presented at the National Seminar on Material Science and Engineering in JSS college of Arts, Commerce and Science during 21-22 March 2014.
- 11) Karthik C S, Santhosh M V, L Mallesha and **P Mallu** “Synthesis, Characterization and in vitro Anti-microbial activity of some New Azo compounds derived from 2-Aminoethyl Piperzine”, presented at the International Symposium on Chemical Biology-Drug Discovery Programme in Mysore University during 9-10 January 2014.
- 12) C S Karthik, C S Dillep, **P Mallu**, N K Lokanath and M A Sridhar “ Synthesis, In Vitro Antimicrobial activity and Crystal Structure of (2,4-Difluoro-phenyl)-[1-(2-nitro-benzenesulfonyl)-piperidin-4-yl]-methane oxime “presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
- 13) Sandeep S, Chetan M, **P Mallu** and Kumara Swamy N “Biosynthesis and the Applications of Metallic Nanoparticles” presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
- 14) Shankara H N, **P Mallu**, S Nanjunda Swamy, Manasa G P, Anuradha and Gopalan Jagadeesh “A New HPLC Method for the simultaneous estimation of Caffeine, (-)- Epigallocatechin Gallate, (+)-Catechin, (-)-Epicatechin and (-)-Epicatechin Gallate Extracted from Tea Powder” presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.

- 15) G K Chandrashekhara, K Vinay, N D Rekha and **P.Mallu** “ Synthesis and Antiangiogenic effects of Novel N-(4-Methyl-3-((4-(pyridine-3-yl)pyrimidin-2-yl)amino)phenyl) piperidine-4-carboxamide derivatives” presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
- 16) Santhosh M V, Karthik C S, L Mallesha and **P Mallu** “ In Vitro Antimicrobial Activity of some New Azo Compounds synthesized from 2-Aminoethyl Piperzine”, presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
- 17) S. Nagashree, L. Mallesha, **P. Mallu** and S Bindya. “Synthesis and characterization Of 3-Fluoro-5-(trifluoromethyl)benzylamine Derivatives”, presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
- 18) S. Nagashree, **P. Mallu**, L. Mallesha and Bindya. “Synthesis, characterization and antimicrobial activity of methyl-2-aminopyridine-4-carboxylate derivatives”, presented at the International Conference on Recent Advances in Material Science and Technology-2013 in Surathkal, Mangalore during 17-19 January 2013.
- 19) Muneera Begum, **P. Mallu** and Siddaramaiah: “Physico- Mechanical, thermal and Morphological characterization of polyurethane/polyvinylidene choride Interpenetrating polymer network”. International conference on Advances in Polymer technology at Kochi, India, 26, 27, Feb 2010.
- 20) **P. Mallu**, H. Kumar and Siddaramaiah: “Sustence of Biocompatible Polyurethanes in Marine Environment”, International Conference on “Water & Health (WAH – 05)”, January 2005, at S.J.College of Engineering, Mysore.
- 21) **P. Mallu**, Siddaramaiah and R. Somashekar: “Physical, Optical, WAXS and Electron Micrograph Studies of Castor Oil Based Polyurethane / Polyacrylate Interpenetrating Polymer Networks”, MACRO-2000, National Seminar on ‘Polymers and Composites’, 1-2 2000, at DMSRDE, Kanpur.
- 22) **P. Mallu**, Siddaramaiah and R. Somashekar: “Synthesis and Characterization of Castor Oil Based PU/PAN IPN’s”, The 5th IUMRS International Conference in Asia, IUMRS-ICA’98, IISc., Bangalore, India, October 13-16, 1998, Abstr No. J.POS 17, p.no. 334.
- 23) **P. Mallu**, Siddaramaiah and R. Somashekar: “Structure – Property-Relationship in PU/PS Interpenetrating Polymer Networks”, presented in National Symposium on APT’98, Cochin University of Science and Technology, Cochin, during March 27-28, 1998.
- 24) **P. Mallu**, R. Sriram and Siddaramaiah: “Synthesis and Characterization of Castor Oil Based Polyurethane and Polyacrylates Interpenetrating Polymer Networks”, Presented at International Conference on Rubbers, Rubber’97, conducted by RTC, IIT Kharagpur, held at Calcutta, India, P-19, p. no. 1-4, December 12-14, 1997.
- 25) **P. Mallu**, Siddaramaiah and K.S. Jagadeesh: “Thermal Characterization of Castor Oil Based Polyurethane / Polystyrene Interpenetrating Polymer Networks”, Conference on ‘Polymer Processing towards AD 2000’, held at Singapore, Abstr. No. 005, 26-28 November 1996.

- 26) **P. Mallu**, Siddaramaiah and K.S. Jagadeesh: “Interpenetrating Polymer Networks from Castor Oil Based on Polyurethanes and Polystyrene”, Abstr. of 36th IUPAC International Symposium on Macromolecules held at Seoul Skorea, Abstr. No. 8- P05-28, August 4-9, 1996, p. no. 976.
- 27) Siddaramaiah, C.R. Praveen and **P. Mallu**: “Synthesis and Characterization of Interpenetrating Polymer Networks”, Presented at APT’96, Cochin University of Science and Technology, Cochin, 7-8 February 1996, p. no. 123.

SHORT-TERM COURSES /WORKSHOP ATTENDED:

- 1) QIP-ISTE short-term course on “Advanced Techniques for Characterization of Materials”, at Department of Physics, IIT New Delhi, from 12-23 February 1996.
- 2) QIP short-term course on “Solid State Materials Synthesis Structures Properties and Applications”, at Department of Chemistry, IIT Madras, Chennai, from 8-19 December 1997.
- 3) ISTE sponsored Summer School on “Symbolic and Fuzzy Approaches for Data Analysis”, at S.J. College of Engineering, Mysore, from 21-26 April 1997.
- 4) AICTE-ISTE sponsored short-term course on “Non-Conventional Energy Sources”, at P.E.S. College of Engineering, Mandya, from 20-25 July, 1998.
- 5) Short-term course on “Operation and Maintenance of Industrial Instrumentation Systems”, at S.J. College of Engineering, Mysore, from 14-26 September 1998.
- 6) Fourth India-Japan Joint Seminar on “Advanced Composite Materials (ACM) Manufacturing Sciences”, conducted by CTC, IIT Madras, Chennai, from 19-20th January 1998.
- 7) The 5th IUMRS International Conferences in Asia, IUMRS-ICA’98, IISc., Bangalore, India, from 13-16 October 1998.
- 8) ISTE sponsored course on “Faculty Induction Training Programme”, at S.J. College of Engineering, Mysore, from 15-17 February 1999.
- 9) AICTE-ISTE sponsored short-term course on “Recent Advances in Chemical Electrochemical and Nuclear Energy Systems”, at Department of Chemistry, P.E.S. College of Engineering, Mandya, from 21-31 October 1999.
- 10) Short-term course on “Advances in Neural Computing”, at S.J. College of Engineering, Mysore, from 26th July to 7th August, 1999.
- 11) National Seminar on “Advances in Science and Technology of Polymeric Materials”, held on 19-20 December 1997, at IIT Madras, Chennai.
- 12) AICTE-ISTE sponsored short-term training programme on “Managing Hazardous Wastes in the New Millennium”, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, during 3-15 September, 2001.

- 13) AICTE-ISTE sponsored short-term training programme on “Recent Trends in Polymer Composites”, organized by Department of Polymer Science and Technology, S.J. College of Engineering, Mysore, during 17-29 September 2001.
- 14) AICTE-ISTE sponsored two-week short-term training programme on “Recent Trends in Material Science and Mathematical Modelling”, organized by Department of Polymer Science and Technology and Department of Mathematics, S.J. College of Engineering, Mysore, during 28th July to 9th August 2003.
- 15) AICTE sponsored short-term Staff Development Programme on “Advances in Wind Disaster Mitigation and Physical Modeling of Air Pollutant Transport (WDM & PMAPT)”, organized by P.E.S. College of Engineering, Mandya, 27th January – 8th February 2004.
- 16) AICTE-ISTE sponsored one-week short-term training programme on “Recent Trends in Analytical Instrumentation (RTAI)”, organized by Department of Chemistry, BIET, Davangere, Karnataka, from 30th August to 3rd September 2004.
- 17) One-day workshop on “Teaching Methodology in Engineering Chemistry”, held at SDM College of Engineering, Dharwad, during 11th September 2004.
- 18) Three day workshop on “Competency based curriculum design” held at SJCE, Mysore on 2-4th August 2007.
- 19) Two day workshop on “Novel materials and their applications” held at SJCE, Mysore on 13 - 14th August 2008.
- 20) Two day National Conference on Advances in Polymeric materials (Energy, Environment & Health) jointly organized by Department of Polymer Science & Technology and Indian Rubber Institute, Karnataka at SJCE, Mysore during 25th-26th April 2014.
- 21) Two day workshop on “Modern Trends in Chemical Research and their applications” held at NMAM Institute of Technology, Nitte on 10 - 11th July 2014.
- 22) Two day workshop on “Quality in Research” held at SJCE, Mysore on 18 - 19th July 2014.
- 23) One day workshop on “Right to Information” an initiative under TEQIP-II organized by SJCE, Mysore on 25th September 2014.
- 24) One week management development programme on **Academic Leadership Programme for TEQIP Institutions** held at Indian Institute of Management, Kozhikode on 20-25th July 2015.
- 25) One day seminar on “Material Science and Nanotechnology” organized by Department of chemistry on 29th September 2015 at Vidya Vikas Institute of Technology, Mysuru.
- 26) One week workshop on PEDAGOGY training programme, an initiative under TEQIP-II organized by SJCE, Mysuru from 30th May to 4th June 2016.