

CURRICULUM VITAE

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Objective

A challenging role in an institution, which offers tremendous growth, potential and wide exposure to research and education, fully utilizing my skills in academics and research. Pursue a successful research career in Material Science and Corrosion Engineering and further, put to use the best of my knowledge and experience towards solutions in Research and Development for a better world.

Educational Qualifications

Ph. D in Chemistry, from Bharathidasan University, Trichy, 2012.

M. Tech in Chemical Engg. from Karnataka State Open University, Mysore, 2014.

M. Phil in Chemistry, from Bharathidasan University, Trichy, 2006.

M. Sc in Chemistry (Analytical), from Bangalore University, Bangalore, 2002.

Experience

Besides having self- motivated nature, I have good grasp of chemistry subjects and easily adjustable to new technologies and environments.

Teaching:

- Presently working as a **Professor & Head**, Department of Chemistry, East West Institute Technology, Bangalore, from 1st March 2013 to till date.
- Worked as an **Associate Professor & Head**, in the Department of Chemistry, East West Institute Technology, Bangalore, from 1st August 2012 to 28th February 2013.
- Worked as an **Assistant Professor & Head**, in the Department of Chemistry, East West Institute Technology, Bangalore, from 1st April 2011 to 31st July 2012.
- Worked as a **Senior Lecturer & Head**, in the Department of Chemistry, East West Institute Technology, Bangalore, from 19th October 2006 to 31st March 2011.
- Worked as a **Lecturer & Head**, in the Department of Chemistry, East West Institute Technology, Bangalore, from 19th October 2005 to 18th October 2006.
- Worked as a **Lecturer**, in the Department of Chemistry, Golden Valley Institute of Technology, Kolar Gold Fields, from 13th November 2003 to 11th October 2005.
- Worked as a **Lecture**, in the Department of Chemistry, M.E.S. Kishorakendra, Pre University College, Bangalore, form 07th June 2003 to 12th November 2003.
- Worked as a **Lecturer**, in the Department of Chemistry (Pre University and Under Graduate Courses), Spoorthi Educational Trust, Bangalore, form 3rd June 2002 to 6th June 2003.
- Working as a **Guest Faculty**, in the Department of Chemistry, for UG and PG courses of Kuvempu University, Distance Education Programmes at Spoorthi Educational Trust form 10th November 2005 to till date.

Research:

- Presently working as a **Director**, Research Center (Affiliated to Visvesvaraya Technological University (VTU), Belgaum), Department of Chemistry, East West Institute Technology, Bangalore, from 1st June 2012.

- Working as a **Programme Coordinator** for, Centre of Innovative Science & Engineering Education (CISEE) On Development of Low Cost Nano-Particles for Corrosion Resistance Studies, from 2012 – 2015.
- Worked as a **Faculty Adviser** for Technology Related Innovative Project (TRIP – 2012 - 2013) on Recovery of Metals from Grinding Wastes by Chemical Method.

Memberships

- Life member of “The Electrochemical Society of India” (ECSI), LM-140.
- Life member of “Indian Society for Technical Education” (ISTE), LM-54206.
- Life member of “Indian Society for Advancement of Materials and Process Engineering” (ISAMPE), L-1117.
- Life member of “Luminescence Society of India: Karnataka Chapter” (LSIKC), L-96.
- Life member of “Zero Waste Society of India” (ZWSI), LM-09
- Fellow member of “Society for Advancement of Electrochemical Science and Technology” (SAEST), F-1292, 2006 - 2008.
- Associate member of “International Congress of Chemistry and Environment” (AICCE), A- 1311, 2006 - 2007.

Subjects Handled

- Engineering Chemistry Theory / Practical (VTU)
- Environmental Studies (VTU and BU)
- Analytical Chemistry (Kuvempu University, Distance Education)
- Inorganic/Organic/Physical Chemistry Practical's (UG and PG courses of Kuvempu University, Distance Education)

Awards

- ❖ **Rashtriya Ekta Samman** awarded on 19th August 2013 at Delhi, on the eve of 70th Birth Anniversary of Late Shri Rajiv Gandhi.

- ❖ **Certificate of Excellence** for the year 2012 – 2013 was given by East West Institute Technology, Bangalore.
- ❖ **Senior Scientist Award** in “National Conference on Recent Advances in Nano Science and Technology” (NCRNT – 2013).
- ❖ **Outstanding Service Award (Silver Category)**, awarded on 2nd February 2013 at Madurai, by Indian Association for the Blind.
- ❖ **Best Faculty Chapter Award 2012** – received as a Secretary of East West Institute Technology ISTE Chapter.
- ❖ **Second Best Paper Award** in “National Symposium on Electrochemical Science and Technology” (NSEST-2012).
- ❖ **Young Scientist Award** in “National Conference on Green Technologies, Fight Pollution” on 4th – 5th April 2012.
- ❖ **Best guide award** for the year 2002 – 2003, was given by Gnana Deepa Academy, Devanahalli.

Research Projects

- A major project (2012 – 2015) of *Rs. 30 Lakhs* on **Development of Low Cost Nano-Particles for Corrosion Resistance Studies**, funded by Government of Karnataka, Vision Group on Science and Technology, Department of Information Technology, Biotechnology and Science & Technology.
- A minor project (2012 – 2013) of *Rs. 40 Thousand* on **Recovery of Metals from Grinding Wastes by Chemical Method**, funded by Government of Karnataka, Vision Group on Science and Technology, Department of Information Technology, Biotechnology and Science & Technology.

Abroad Visits

- ❖ Presented a paper titled “Facile green route for the synthesis of Iron-doped MgO nanoparticles by Phyllanthus Acidus: Structural, Photoluminescence and Photocatalytic activity” was presented at “**The 8th International Conference on Materials Science and Technology**” organized by National Metal and Materials Technology Center, Thailand at Bangkok, Thailand on 15th – 16th December 2014. Visited Chulalongkorn University, Bangkok, Thailand.

University Positions

- **Chairman of Board of Examiners** (Nano Technology Composite Board) for the year 2015- 2016, of Visvesvaraya Technological University (VTU), Belgaum.
- **Special Invitee** of Ph.D. Registration Expert Committee in General Science, for the year 2015- 2016, of Visvesvaraya Technological University (VTU), Belgaum.
- **Member of Board of Examiners** (Chemistry Composite Board) for the year 2013-2014, of Visvesvaraya Technological University (VTU), Belgaum.
- Worked as **BOE Member** for the odd semester 2014, Odd and Even semester 2011 - 2012 of Dr. Ambedkar Institute of Technology and Odd semester 2011 - 2012 of Nitte Meenakshi Institute of Technology an Autonomous Institutions affiliated to VTU, Belgaum.
- Worked as **Deputy Chief Superintendent** and **Squad Member (June-July 2006)/Chairman (June-July 2013)** for UG and PG examinations of VTU.
- Worked as **Deputy Chief Superintendent** for UG examinations of Dr. Ambedkar Institute of Technology, an Autonomous Institute affiliated to VTU, Belgaum.
- Worked as **Deputy Chief Superintendent** for COMED-K examination.
- Worked as **Paper Setter** for Engineering Chemistry paper of I/II semester BE examinations of Nitte Meenakshi Institute of Technology and Dr. Ambedkar Institute of Technology, an Autonomous Institutions under VTU, Belgaum.
- Worked as **Paper Setter (Ph.D. Course Work exams), Examiner, Valuator** and **Moderator** for Engineering Chemistry (theory and practical) paper of I/II semester BE, semester scheme of VTU.
- Worked as **Examiner** for Engineering Chemistry/Applied Chemistry Practicles of I/II semester BE examinations of Nitte Meenakshi Institute of Technology, Dr. Ambedkar Institute of Technology, PES Institute of Technology and RV College of Engineering, an Autonomous Institutions under VTU, Belgaum.
- Worked as **Valuator** for Engineering Chemistry I/II semester BE examinations of Nitte Meenakshi Institute of Technology, Dr. Ambedkar Institute of Technology, an Autonomous Institutions under VTU, Belgaum.
- Worked as **Examiner** for UG and PG subjects of Chemistry Practical examinations of Kuvempu University, Distance Education Programs.

Other Positions

- **GC member** of “The Electrochemical Society of India”, IISc, Bangalore for the year 2011 – 2014.
- **Sub-Committee member** of National Service Scheme (NSS) Cell of Visvesvaraya Technological University (VTU), Belgaum, from May 2013.
- **Treasure** of “Forum of Chemistry Teachers in Engineering Colleges” (Affiliated to VTU, Belgaum) from 3rd Aug 2013.
- **Expert committee member** of the University programme on “Strengthening Academics” by the Teerthanker Mahaveer University, Moradabad (U.P.), India.
- **Subject expert committee member** of Sambhram Institute of Technology, Bangalore for the staff requirement in engineering chemistry.
- **Life member** of “Narain Sewa Sanshtan” – a Non Government Organisation providing support and services in the field of Health, Education and Environment.
- Member of the “Forum of Chemistry Teachers in Engineering Colleges” (Affiliated to VTU, Belgaum).
- Member of the Indian Association of Placement and Training Officers (IAPT).

Reviews

- Associate editor of Journal of the Electrochemical Society of India
- Editorial board member of Journal of the Electrochemical Society of India
- Reviewer of Indian Journal of Science and Technology
- Referee panel member of Alfa Universal – An International Journal of Chemistry
- Reviewer of African Journal of Pure and Applied Chemistry
- Reviewer panel member for Tata McGraw-Hill Publishing Company Ltd
- Reviewer panel member for Orient BlackSwan Pvt. Ltd
- Reviewer of Journal of Engineering and Technology Research

Ph.D. Guidance

Sl. No.	Name of the Candidate	Topic	Degree	Year of Reg.	University
1.	M.R. Anil kumar	Green Synthesis, charaterisation of nanoparticles and their applications in waste water treatment	Ph.D	FEB - 2012	VTU, Belgaum Karnataka
2.	K.K. Abdul Khader	Synthesis of Organic Compounds & their Characterization	Ph.D (<i>Co Guide</i>)	JAN - 2013	Bharathidasan University. T.N.
3.	K.N. Shravana Kumar	Synthesis & Characterisation of low cost nanomaterials for corrosion studies of Al based nano composites	Ph.D	JUL - 2013	Bharathiar University. T.N.
4.	P. Avinesh	Synthesis of Organic Compounds & their Characterization	Ph.D	JUL - 2013	Bharathiar University. T.N.
5.	T.J. Jaison	Synthesis of Organic Compounds & their Characterization	Ph.D	JUL - 2013	Bharathiar University. T.N.
6.	Kavitha	Studies on Synthesis, Characterization and Biological evaluation of some Novel Heterocyclic compounds	Ph.D	DEC - 2013	Bharathiar University. T.N.
7.	G. Preethi	Synthesis & Characterisation of novel nanomaterials and some studies on its antimicrobial activity	Ph.D	DEC - 2013	Bharathiar University. T.N.
8.	N. Aparna	Green Engineered Ferrite Nanoparticles and its applications	Ph.D	AUG - 2015	VTU, Belgaum Karnataka

M.Phil. Guidance

Sl. No.	Name of the Candidate	Topic	Degree	Year	University
1.	N.S. Sreenivasan	Green synthesis & Characterisation of magnesium orthosilicate for display applications	M.Phil	2014	Dr. C.V. Raman University, Bilaspur (C.G.)
2.	Biradar Sathish Mohan Rao	Estimation of Vitamin D3(Cholecalciferol) by HPLC method	M.Phil	2014	Dr. C.V. Raman University, Bilaspur (C.G.)
3.	Chetan Ramdas Patel	Microwave assisted synthesis of amino heterocycles	M.Phil	2014	Dr. C.V. Raman University, Bilaspur (C.G.)

4.	B. Savitha	Microwave assisted Suzuki cross coupling reactions of 3-substituted 2-chloro imidazo[4,5-b]pyridines	M.Phil	2014	Dr. C.V. Raman University, Bilaspur (C.G.)
5.	Y.S. Uday	Green Synthesis, characterisation of nanoparticles and their photoluminescence and photocatalytic studies	M.Phil	2014	Dr. C.V. Raman University, Bilaspur (C.G.)

M.Tech. / M.Sc. Projects, Guidance

Sl. No.	Name of the Candidate	Topic	Degree	Year	University
1.	S.R. Asha	Synthesis & Characterisation of ZnFe ₂ O ₄ and its Photocatalytic Performance	M.Sc.	2015	University of Mysore, Mysore
2.	Krushitha Shetty	MgFe ₂ O ₄ -rGO nanocomposite: Synthesis, characterization and its multifunctional properties	M.Tech	2015	VTU, Belgaum Karnataka

Chair Person/Session Chair

- ❖ Chair Person in the **International Conference on “Chemical and Environmental Research” (ICER – 2015)** organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, on 17th December 2015.
- ❖ Chaired the session in the **National Conference on “Advanced Functional Materials” (AFM – 2015)** held on 4th – 5th Dec 2015, organized by Department of Chemistry, Dayananda Sagar College of Engineering in association with Dayananda Sagar University, Bangalore – 78.
- ❖ Chaired the session on Material Science in the **National Conference on “Frontiers & Challenges in Chemistry” (FCC – 2013)** held during 10th – 11th Oct 2013, organized by Department of Chemistry, Don Bosco Institute of Technology, Bangalore – 74.
- ❖ Chair Person for the Scientific Committee in the International Symposium on **“Youth Against Cancer”** organized by Carcinogenesis Foundation (USA) and Narain Sewa Sansthan, India on 30th – 31st Aug 2013 at Sindhi College, Bangalore.
- ❖ Chaired the session on “Phytochemistry and Natural Compounds” in **“National Conference on Green Technologies, Fight Pollution”** on 4th – 5th April 2012.

Invited talks/ Seminars/Guest lectures given

- A lecture on **“Development of Novel Nanoparticles for Corrosion Resistance Studies”** was given at Department of PG studies and Research in Physics, Tumkur University, Tumkur on 25th Nov 2013.
- A seminar on **“Electro Chemistry and Cells”** was given at Parineetha Academy, Bangalore on 18th Aug 2012.
- A speech on **“Sir M. Visvesvaraya Sadhane Mattu Dooradhrushti”** was given in AIR Vividhbhrati, 102.9 FM, Bangalore, on 16th Aug 2012 from 9-00 to 9-30 AM.
- A lecture on **“Corrosion as an Electrochemical Phenomenon and its Prevention”** was given at BGSIT, BG Nagar, Mandya Dist. on 18th May 2012, in an refresher course for Pre University college Science lecturers, organized by Sri Adichunchanagiri Shikshana Trust and Vision Group on Science and Technology, Govt. of Karnataka.
- A lecture on **“Different Testing Methods for Corrosion Studies”** was given on 25th Jan 2012 during the Workshop on Industrial Corrosion and Corrosion Control Technology, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- A lecture on **“Environment and Role of Students in Protecting Environment”** was given on 14th Nov 2011 during the Workshop on Recent Trends in Waste Management, organized by The Zero Waste Society of India, Indian Institute of Science, Bangalore.
- A guest lecture on **“Corrosion, Causes and Control”** was given at CMR Institute of Science and Management Studies, Bangalore on 14th Aug 2009.
- A lecture on **“Institutional Hazardous Waste Management”** was given on 20th Jan 2009 during the Two Day Symposium on “Wealth from Waste” organized by The Zero Waste Society of India, Indian Institute of Science, Bangalore and Siddaganga Institute of Technology, Tumkur.
- A guest lecture on **“Corrosion Studies”** was given at Vivekananda Institute of Technology, Bangalore on 18th Aug 2006.

Seminar/ Conference /Workshop’s Organized

- ❖ National Symposium on **“Electrochemical Science and Technology (NSEST 2015)”** organized by The Electrochemical Society of India, IISC Campus

Bangalore and Department of Inorganic & Physical Chemistry, IISC, Bangalore on 24th - 25th July, 2015.

- ❖ International conference on **“Electrochemical Science and Technology (ICONEST 2014)”** organized by The Electrochemical Society of India, IISC Campus Bangalore on 7th - 9th August, 2014.
- ❖ Workshop on **“LaTeX”** organized by Department of Information Science & Engg., East West Institute of Technology, Bangalore on 26th Oct 2013.
- ❖ International Symposium on **“Youth Against Cancer”** organized by Carcinogenesis Foundation (USA) and Narain Sewa Sansthan, India on 30th – 31st Aug 2013 at Sindhi College, Bangalore.
- ❖ Faculty Development programme on **“Micro Nano Technology in Small Satellites”** organized by East West Institute of Technology, Bangalore on 19th – 22th Aug 2013.
- ❖ One day workshop on **“Eco – Friendly Metal Finishing Processes”** organized by The Electrochemical Society of India, IISC Campus Bangalore on 19th June, 2013.
- ❖ Faculty Development programme on **“Institutional Hazardous Wastes Management”** organized by The Electrochemical Society of India, IISC Campus Bangalore in association with Karnataka State Pollution Control Board, Bangalore on 8th - 9th Feb, 2013.
- ❖ **15th ISTE Karnataka State Faculty Convention and 23rd Dr. L. S. Chandrakant Memorial Lecture** organized by East West Institute of Technology, Bangalore on 7th – 8th Dec 2012.
- ❖ National Conference on **“Developments and Opportunities in Civil Engineering, Applied Sciences and Mechanical Engineering (DOCAM -12)”** organized by East West Institute of Technology, Bangalore on 18th - 19th May 2012.
- ❖ National Conference on **“Emerging Trends in Information Technology and Mathematics (ETITM -11)”** organized by East West Institute of Technology, Bangalore on 3rd - 4th Nov 2011.
- ❖ One day National Workshop on **“Program Educational Objectives(PEO) and Outcomes”** organized by ISTE Chapter, East West Institute of Technology, Bangalore and Sunrise Technical Education Promotional Society (STEPS), New Delhi on 5th Mar 2011.
- ❖ **“Special Camping Programme on Environmental Upgradation (SCPEU)”** organized by East West Institute of Technology NSS Unit, Karnataka

Environment Research Foundation (KERF), Bangalore and Rotary Bangalore Whitefield from 9th - 14th Feb 2009.

Books (3)

- ❖ Chromium Removal Using Activated Carbon, ISBN-13: 978-3659677342 ISBN-10: 3659677345, **Publisher:** Lambert Academic Publishing (January 27, 2015).
- ❖ Mg₂SiO₄:Re³⁺ for WLEDs - Green combustion route using plant latex, ISBN-13: 978-3-659-57130-5, ISBN-10: 365957130X, **Publisher:** Lambert Academic Publishing (August 22, 2014).
- ❖ Al 6061/ Zircon Composites: Fundamentals & Its Corrosion Studies, ISBN-13: 978-3639719864, ISBN-10: 3639719867, **Publisher:** Scholars' Press (June 18, 2014).

Publications (47)

- C.R. Ravi Kumar, P. Kotteeswaran, V. Bheemaraju, B. Shruthi, M.S. Santosh, **H.P. Nagaswarupa**, M.S. Shivakumar and A. Murugan, Microstructure and Electrochemical Distinctiveness of β -Nickel Hydroxide by means of Zinc Additive and pH, **Asian Journal of Chemistry**, 28 (3), 575 - 580, 2016. (**Impact Factor: 0.45**)
- P.B. Devaraja, H. Nagabhushana, S.C. Sharma, Ramachandra Naik, S.C. Prashantha, **H.P. Nagaswarupa**, K.S. Anantharaju, H.B. Premkumar, D.M. Jnaneshwara, Spectroscopic and photoluminescence properties of MgO:Cr³⁺ nanosheets for WLEDs, **Displays**, 41, 16 – 24, 2016. (**Impact Factor: 1.033**)
- C.R. Ravi Kumar, P. Kotteeswaran, M.S. Santosh, B. Shruthi, V. Bheemaraju, M.S. Shivakumar and **H.P. Nagaswarupa**, Influence of zinc additive and pH on electrochemical behaviour of β -Nickel hydroxide in nickel based secondary batteries, **Asian Journal of Chemistry**, 28 (1), 221 - 229, 2016. (**Impact Factor: 0.45**)
- M R Anil Kumar, **H P Nagaswarupa**, K S Anantharaju, K Gurushantha, C Pratapkumar, S C Prashantha, T R Shashishekar, H Nagabhushana, S C Sharma, Y S Vidya, B Daruka Prasad, C S Vivek Babu and K R Vishnu Mahesh, Banyan latex: a facile fuel for the multifunctional properties of MgO nanoparticles prepared via auto ignited combustion route, **Materials Research Express (IOP)**, 2, 095004, 2015.
- P.B. Devaraja, D.N. Avadhani, H. Nagabhushana, S.C. Prashantha, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**, B. Daruka Prasad, Luminescence

- properties of MgO: Fe³⁺ nanopowders for WLEDs under NUV excitation prepared via propellant combustion route, **Journal of Radiation Research and Applied Sciences**, 8, 362-373, 2015.
- J.B. Prasannakumar, Y.S. Vidya, K.S. Anantharaju, G. Ramgopal, H. Nagabhushana, S.C. Sharma, B. Daruka Prasad, S.C. Prashantha, R.B. Basavaraj, H. Rajanaik, K. Lingaraju, K.R. Prabhakara, **H.P. Nagaswarupa**, Bio-mediated route for the synthesis of shape tunable Y₂O₃: Tb³⁺ nanoparticles: Photoluminescence and antibacterial properties, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 151, 131-140, 2015. (**Impact Factor: 2.16**)
 - J.B. Prasanna Kumar, G. Ramgopal, Y.S. Vidya, K.S. Anantharaju, B. Daruka Prasad, S.C. Sharma, S.C. Prashantha, **H.P. Nagaswarupa**, D. Kavyashree, H. Nagabhushana, Green synthesis of Y₂O₃:Dy³⁺ nanophosphor with enhanced photocatalytic activity, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 149, 687-697, 2015. (**Impact Factor: 2.16**)
 - T. Manohar, Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, **H.P. Nagaswarupa**, K.S. Anantharaju, C. Pratapkumar, H.B. Premkumar, Photoluminescence and Judde-Ofelt analysis of Eu³⁺ doped LaAlO₃ nanophosphors for WLEDs, **Dyes and Pigments**, 122, 22-30, 2015. (**Impact Factor: 3.966**)
 - M.R. Anilkumar, **H.P. Nagaswarupa**, H. Nagabhushana, S.C. Sharma, Y.S. Vidya, K.S. Anantharaju, S.C. Prashantha, C. Shivakumara and K. Gurushantha,, Bio-inspired route for the synthesis of spherical shaped MgO:Fe³⁺ nanoparticles: Structural, photoluminescence and photocatalytic investigation, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 149, 703 - 713, 2015. (**Impact Factor: 2.16**)
 - P.K. Jisha, Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, **H.P. Nagaswarupa**, K.S. Anantharaju, B. Daruka Prasad, H.B Premkumar, Facile combustion synthesized orthorhombic GdAlO₃:Eu³⁺ nanophosphors: Structural and photoluminescence properties for WLEDs, **Journal of Luminescence**, 163, 47–54, 2015. (**Impact Factor: 2.232**)
 - M.R. Anilkumar, **H.P. Nagaswarupa**, K.S. Anantharaju, K. Gurushantha, C. Pratapkumar, S.C. Prashantha, T.R. Shashi Shekhar, H. Nagabhushana, S.C. Sharma, Y.S. Vidya and Daruka Prasad, Green engineered ZnO nanopowders by Banyan Tree and E. tirucalli plant latex: auto ignition route, photoluminescent and photocatalytic properties, **Materials Research Express (IOP)**, 2, 035011, 2015.
 - Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, **H.P. Nagaswarupa**, K.S. Anantharaju, B.M. Nagabhushana, H.B. Premkumar, K.M. Girish, A single phase, red emissive Mg₂SiO₄:Sm³⁺ nanophosphor prepared via

- rapid propellant combustion route, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 140, 516-523, 2015. (Impact Factor: 2.16)
- K.M. Girish, Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, **H.P. Nagaswarupa**, K.S. Anantha Raju, H.B. Premkumar, S.C. Sharma, B.M. Nagabhushana, Zn₂TiO₄:Eu³⁺ nanophosphor: Self explosive route and its near UV excited photoluminescence properties for WLEDs, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 138, 857-865, 2015. (Impact Factor: 2.16)
 - K. Gurushantha, K.S. Anantharaju, H. Nagabhushana, S.C. Sharma, Y.S. Vidya, C. Shivakumara, **H.P. Nagaswarupa**, S.C. Prashantha, M.R. Anilkumar, Facile green fabrication of iron-doped cubic ZrO₂ nanoparticles by Phyllanthus acidus: Structural, photocatalytic and photoluminescent properties, **Journal of Molecular Catalysis A: Chemical**, 397, 36-47, 2015. (Impact Factor: 3.679)
 - Ayyiliath M. Sajith, K.K. Abdul Khader, Nithin Joshi, Manchala Nageswar Reddy, M. Syed Ali Padusha, **H.P. Nagaswarupa**, M. Nibin Joy, Yadav D. Bodke, Ranjith P. Karuvalam, Rinti Banerjee, A. Muralidharan, P. Rajendra, Design, synthesis and structure-activity relationship (SAR) studies of imidazo [4, 5-b] pyridine derived purine isosteres and their potential as cytotoxic agents, **European Journal of Medicinal Chemistry**, 89, 21-31, 2015. (Impact Factor: 4.071)
 - Y.S. Vidya, K. Gurushantha, H. Nagabhushana, S.C. Sharma, K.S. Anantharaju, C. Shivakumara, D. Suresh, **H.P. Nagaswarupa**, S.C. Prashantha, M.R. Anilkumar, Phase transformation of ZrO₂:Tb³⁺ nanophosphor: Color tunable photoluminescence and photocatalytic activities, **Journal of Alloys and Compounds**, 622, 86-96, 2015. (Impact Factor: 2.407)
 - Y.S. Vidya, K.S. Anantharaju, H. Nagabhushana, S.C. Sharma, **H.P. Nagaswarupa**, S.C. Prashantha, C. Shivakumara, Danithkumar, Combustion synthesized tetragonal ZrO₂:Eu³⁺ nanophosphors: Structural and photoluminescence studies, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 135, 241-251, 2015. (Impact Factor: 2.16)
 - Y.S. Vidya, K.S. Anantharaju, H. Nagabhushana, **H.P. Nagaswarupa**, Biogenic synthesis and photoluminescence characteristics of ZrO₂ : (RE³⁺ = Tb³⁺, Eu³⁺, Sm³⁺) nanophosphors, **CSVTU Journal of Advanced Materials Engineering**, ISSN 0974-8725, 7, 20-27, 2014.
 - Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, **H.P. Nagaswarupa**, K.S. Anantharaju, B.M. Nagabhushana, H.B. Premakumar, K.M. Girish. Photoluminescence properties of low temperature synthesized as formed Mg₂SiO₄: RE³⁺ nanophosphors, **CSVTU Journal of Advanced Materials Engineering**, ISSN 0974-8725, 7, 28-34, 2014.

- A. M. Sajith, K. K. Abdul Khader, A. Muralidharan, M. S. Ali Padusha and H. P. Nagaswarupa, A Highly Efficient Catalyst for the Suzuki Cross-coupling Reaction of 3-Chloro-5-oxadiazol-2-yl Pyridine, **Journal of Heterocyclic Chemistry**, 51(6), DOI: 10.1002/jhet.2277, 2014. (**Impact Factor: 0.873**)
- P.B. Devaraja, D.N. Avadhani, H. Nagabhushana, S.C. Prashantha, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**, B. Dharuka Prasad, MgO:Dy³⁺ nanophosphor: Self ignition route, characterization and its photoluminescence properties, **Materials Characterization**, 97, 27–36, 2014. (**Impact Factor: 2.21**)
- Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**, H.B. Premakumar, K.M. Girish. Mg₂SiO₄:Tb³⁺ nanophosphor: Auto ignition route, photo induced luminescence properties for near UV light emitting diodes, **Journal of Alloys and Compounds**, 617, 69-75, 2014. (**Impact Factor: 2.407**)
- H B Premkumar, H Nagabhushana, S C Sharma, S C Prashantha, B M Nagabhushana, **H P Nagaswarupa**, Guangjun Zhao, Jianyu Chen, Dosimetric studies of YAlO₃: Mn co-doped with transition (Co, Cu, Fe) and rare earth (Yb, Ce) metal ions”, **Materials Research Express (IOP)**. 1, 025710, 2014.
- H.B. Premkumar, H. Nagabhushana, S.C. Sharma, S.C. Prashantha, **H.P. Nagaswarupa**, B.M. Nagabhushana, R.P.S. Chakradhar, Structural, photo and thermoluminescence studies of Eu³⁺ doped orthorhombic YAlO₃ nanophosphors, **Journal of Alloys and Compounds**, 601, 75-84, 2014. (**Impact Factor: 2.407**)
- K.K.Abdul Khader, Ayyiliath. M. Sajith, M. Syed Ali Padusha , **H. P. Nagaswarupa** , A. Muralidharan, Regioselective synthesis of C-2 substituted imidazo[4,5-b]pyridines utilizing palladium catalysed C–N bond forming reactions with enolizable heterocycles, **Tetrahedron Letters**, 55, 1778-1783, 2014. (**Impact Factor: 2.376**)
- Ramachandra Naik, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**. H.B. Premakumar, Low temperature synthesis and photoluminescence properties of red emitting Mg₂SiO₄:Eu³⁺ nanophosphor for near UV light emitting diodes, **Sensors & Actuators: B. Chemical**, 195, 140-149, 2014. (**Impact Factor: 3.668**)
- P.B. Devaraja, D.N. Avadhani, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**, H.B. Premkumar, MgO:Eu³⁺ red nanophosphor: Low temperature synthesis and photoluminescence properties, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 121, 46-52, 2014. (**Impact Factor: 2.16**)
- P.B. Devaraja, D.N. Avadhani, S.C. Prashantha, H. Nagabhushana, S.C. Sharma, B.M. Nagabhushana, **H.P. Nagaswarupa**, Synthesis, structural and luminescence studies of magnesium oxide nanopowder, **Spectrochimica Acta Part A:**

- Molecular and Biomolecular Spectroscopy**, 118, 847-851, 2014. (**Impact Factor: 2.16**)
- K.K.Abdul Khader, Ayyiliath. M. Sajith, M. Syed Ali Padusha , **H. P. Nagaswarupa** , A. Muralidharan, Cycloalkenyl nonaflates as electrophilic cross-coupling substrates for palladium catalyzed C-N bond forming reactions with enolizable heterocycles under microwave enhanced conditions, **New Journal of Chemistry, RSC Publishing**, 38, 1294-1305, 2014. (**Impact Factor: 2.966**)
 - Veena Devi B, **Nagaswarupa H.P**, Purushotham B and Uma Devi H, Effect of pH on the removal of hexavalent chromium from aqueous solutions using activated carbon, **Journal of Ultra Chemistry**, 9 (1), 139 – 148, 2013.
 - **H.P. Nagaswarupa**, H.G. Bheemanna and G. Banu Prakash, Electrochemical studies of Al 7075 / zircon metal matrix composites in natural sea water, **Journal of Ultra Chemistry**, 8 (3), 319 – 328, 2012.
 - **H.P. Nagaswarupa**, H.G. Bheemanna and G. Banu Prakash Corrosion Studies of Al 7075 / zircon metal matrix composites in neutral chloride mediums by open circuit potential techniques, **Journal of the Electrochemical Society of India**, 61 (2), 36 – 39, 2012.
 - **H.P. Nagaswarupa**, Stress corrosion studies of Al 6061 / zircon metal matrix composites in acidic medium at higher temperature, **Journal of the Electrochemical Society of India**, (Diamond Jubilee Issue), 60 (1/2), 50 - 55, 2011.
 - A. Abdul Jameel, P.V. Krupakara and **H.P. Nagaswarupa**, Weight loss corrosion studies of Al 6061 / redmud metal matrix composites in seawater, **Journal of Ultra Chemistry**, 7 (2), 219 – 224, 2011.
 - A. Abdul Jameel, **H.P. Nagaswarupa** and P.V. Krupakara, “Open circuit potential studies of Al 6061 / zircon metal matrix composites in alkali medium”, **Asian Journal of Chemistry**, 22 (5), 3910 - 3916, 2010. (**Impact Factor: 0.22**)
 - A. Abdul Jameel, **H.P. Nagaswarupa** and P.V. Krupakara, Effect of equimolar solution of NaOH and NaCl on the corrosion rate of Al 6061 / zircon metal matrix composites, **Journal of Ultra Scientist of Physical Sciences**, 21 (3), 707 - 710, 2009. (**Impact Factor: 0.39**)
 - A. Abdul Jameel, **H.P. Nagaswarupa**, P.V. Krupakara and T.R. Shashishakar Evaluation of corrosion rate of Al 6061 / zircon metal matrix composites in sea water, **International Journal of Ocean and Oceanography**, 3 (1), 37 - 42, 2009.

- A. Abdul Jameel, **H.P. Nagaswarupa** and P.V. Krupakara, “Comparative weight loss corrosion studies of Al 6061 / zircon metal matrix composites in acid and neutral chloride solutions”, **Journal of Ultra Chemistry**, 5 (1), 89 - 94, 2009.
- A. Abdul Jameel, **H.P. Nagaswarupa**, P.V. Krupakara, and K.C. Vijayamma, “Corrosion characterization of Al 6061 / zircon metal matrix composites in acid chloride mediums by open circuit potential studies”, **International Journal of Applied Chemistry**, 5 (1), 1 - 8, 2009.
- A. Abdul Jameel, **H.P. Nagaswarupa** and P.V. Krupakara, “Corrosion behavior of Al 6061 / zircon metal matrix composites by potentiodynamic polarization technique”, **Journal of the Electrochemical Society of India**, 57 (3/4), 61 - 63, 2008.
- **H.P. Nagaswarupa** and T.R. Shashishekhar, “Gel electrophoresis for the separation of proteins”, **Journal of Ultra Chemistry**, 4 (2), 315 - 316, 2008.
- **H.P. Nagaswarupa** and B.V. Somashekaraiyah, “Study on antioxidant and antidiabetic factors from the extracts of medicinal plants”, **Journal of Ultra Scientist of Physical Sciences**, 20 (2), 273 - 276, 2008. (Impact Factor: 0.39)
- A. Abdul Jameel, P.V. Krupakara, **H.P. Nagaswarupa** and Kalyan Raj, “Potentiostatic studies of Al 6061 composites reinforced with red mud by potentiodynamic polarization techniques”, **Journal of the Electrochemical Society of India**, 57 (1/2), 46 - 49, 2008.
- **H.P. Nagaswarupa** and T.R. Shashishekhar, “Analysis of soils of golf course for chemical properties”, **Journal of Ultra Scientist of Physical Sciences**, 20 (1), 113 - 120, 2008. (Impact Factor: 0.39)
- A. Abdul Jameel, **H.P. Nagaswarupa**, P.V. Krupakara and Kalyan Raj, “Open circuit potential studies of Al 6061 / zircon metal matrix composites in neutral chloride medium”, **Journal of the Electrochemical Society of India**, 56 (3/4), 101 - 104, 2007.
- A. Abdul Jameel, **H.P. Nagaswarupa**, P.V. Krupakara, Kalyan Raj and K.C. Vijayamma, “Corrosion characterization of Al 6061 / zircon metal matrix composites in different concentrations of sodium hydroxide solution”, **Journal of the Electrochemical Society of India**, 56 (1/2), 24 - 27, 2007.
- R.D. Pruthviraj, P.V. Krupakara and **H.P. Nagaswarupa**, “Open circuit potential studies of Za-27 / Sic metal matrix composites in acid chloride mediums”, **Transactions of SAEST**, 41, 94 - 96, 2006.

Paper Presentations in Conferences / Symposium (International - 42)

- Paper titled “Synthesis of Zr doped zinc oxide and their enhanced Photocatalytic activity” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Electrochemical properties of MgO and ZnO nanoparticle doped β -Ni(OH)₂; synthesized by co-precipitation route” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Extraction of lithium and cobalt from used up lithium ion battery by hydrometallurgy process” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Microwave assisted synthesis of HMF as a chemical intermediate from deoiled seed cake using acid modified clay” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Oxalyldihydrazide assisted facile combustion synthesized nano MgAl₂O₄ compound for super capacitor applications” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Inhibiting effect of 1-Propanaminium N,N,N-tributyl iodide on corrosion of mild steel in 1M hydrochloric acid solution, its adsorption and kinetic characteristics” was presented in the “**International Conference on Chemical and Environmental Research**” (ICCER – 2015) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, on 17th December 2015.
- Paper titled “Synthesis and Characterization of NiFe₂O₄:Mg²⁺ and its applications” was presented in the “**International Conference on Ceramic and Advanced Materials for Energy and Environment**” (CAMEE – 2015) organized by Materials Research Center, IISc, Bangalore and Indian Ceramic Society Karnataka Chapter at Christ University, Bangalore on 14th – 17th December 2015.

- Paper titled “Synthesis and Characterization of ZnFe₂O₄- reduced graphene oxide nanocomposite and its applications” was presented in the “**International Conference on Ceramic and Advanced Materials for Energy and Environment**” (CAMEE – 2015) organized by Materials Research Center, IISc, Bangalore and Indian Ceramic Society Karnataka Chapter at Christ University, Bangalore on 14th – 17th December 2015.
- Paper titled “MgFe₂O₄-rGO nanocomposites: Bio mediated synthesis and its multifunctional behaviour” was presented in the “**International Conference on Ceramic and Advanced Materials for Energy and Environment**” (CAMEE – 2015) organized by Materials Research Center, IISc, Bangalore and Indian Ceramic Society Karnataka Chapter at Christ University, Bangalore on 14th – 17th December 2015.
- Paper titled “Synthesis and characterization of nano ZnO and MgO powder by low temperature solution combustion method: Studies concerning on electrochemical and photo catalytic behavior” was presented in the “**International Conference on Nanomaterials & Nanotechnology**” (NANO – 15) organized by Center for Nano Science & Technology, K.S. Rangaswamy College of Technology, Tiruchengode, Namakkal, Tamilnadu, India in association with World Class University (WCU), GIST, South Korea on 7th – 10th December 2015. *ISBN: 978-93-85436-76-5*
- Paper titled “YALO:Sm³⁺ Nanophosphor: Photoluminescence and Judd– ofelt analysis” was presented in the “**International Conference on Nanomaterials & Nanotechnology**” (NANO – 15) organized by Center for Nano Science & Technology, K.S. Rangaswamy College of Technology, Tiruchengode, Namakkal, Tamilnadu, India in association with World Class University (WCU), GIST, South Korea on 7th – 10th December 2015. *ISBN: 978-93-85436-74-1*
- Paper titled “Combustion synthesis and photoluminescence properties of a novel green emitting Tb³⁺ doped YALO Nanophosphor” was presented in the “**International Conference on Nanomaterials & Nanotechnology**” (NANO – 15) organized by Center for Nano Science & Technology, K.S. Rangaswamy College of Technology, Tiruchengode, Namakkal, Tamilnadu, India in association with World Class University (WCU), GIST, South Korea on 7th – 10th December 2015. *ISBN: 978-93-85436-74-1*
- Paper titled “Electro chemical and photo catalytic enactment of recovered MnO₂ from consumed dry cell batteries” was presented in the “**International Conference on Nanomaterials & Nanotechnology**” (NANO – 15) organized by Center for Nano Science & Technology, K.S. Rangaswamy College of Technology, Tiruchengode, Namakkal, Tamilnadu, India in association with World Class University (WCU), GIST, South Korea on 7th – 10th December 2015. *ISBN: 978-93-85436-91-8*

- Paper titled “ZnO/Mn₂O₃ decorated graphene nanosheets: An advanced material for the electrochemical performance and photo catalytic degradation of organic dyes” was presented in the “**International Conference on Nanomaterials & Nanotechnology**” (**NANO – 15**) organized by Center for Nano Science & Technology, K.S. Rangaswamy College of Technology, Tiruchengode, Namakkal, Tamilnadu, India in association with World Class University (WCU), GIST, South Korea on 7th – 10th December 2015. *ISBN: 978-93-85436-93-2*
- Paper titled “Aloe Vera gel mediated ZnO:Sm³⁺ nanoparticles: Structural, Photocatalytic and Photoluminescence studies ” was presented at “**Second International Conference on Nanostructured Materials and Nanocomposites**” (**ICNM -2014**) organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, India on 19th – 21st December 2014.
- Paper titled “Mg₂SiO₄:Pr³⁺ Nanophosphor: Auto Ignition Route, Characterization and Photoluminescence properties for WLEDs ” was presented at “**Second International Conference on Nanostructured Materials and Nanocomposites**” (**ICNM -2014**) organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, India on 19th – 21st December 2014.
- Paper titled “Red emissive MgO:Sm³⁺ nanophosphor prepared via facile combustion route for display applications” was presented at “**Second International Conference on Nanostructured Materials and Nanocomposites**” (**ICNM -2014**) organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, India on 19th – 21st December 2014.
- Paper titled “ Photoluminescence studies of Sm³⁺ doped YAlO₃:White light emitting nanophosphor” was presented at “**Second International Conference on Nanostructured Materials and Nanocomposites**” (**ICNM -2014**) organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, India on 19th – 21st December 2014.
- Paper titled “Facile green route for the synthesis of Iron-doped MgO nanoparticles by Phyllanthus Acidus: Structural, Photoluminescence and Photocatalytic activity” was presented at “**The 8th International Conference on Materials Science and Technology**” organized by National Metal and Materials Technology Center, Thailand at Bangkok, Thailand on 15th – 16th December 2014.
- Paper titled “ Organomodification of clay and its influence on the thermal, mechanical and fine behavior of clay/fire additives/vinylester composites” was presented at “**The 8th International Conference on Materials Science and**

Technology” organized by National Metal and Materials Technology Center, Thailand at Bangkok, Thailand on 15th – 16th December 2014.

- Paper titled “Green synthesis, structural and antimicrobial studies of Magnesium oxide nanopowder using BT latex” was presented at “**International Conference on Chemical and Environmental Research**” (ICCER -2014) organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, India on 11th – 12th March 2014. *ISBN No: 978-93-81521-36-6*
- Paper titled “Effect of nano metal oxides (MgO) on the properties of glass fiber reinforced epoxy nano-composites” was presented at “**International Conference on Advancements in Polymeric Materials**” (APM -2014) organized by Laboratory for Advanced Research in Polymeric Materials (LARPM), Central Institute of Plastics Engineering and Technology (CIPET), Bhubaneswar, India on 14th – 16th Feb 2014.
- Paper titled “Mg₂SiO₄:Tb³⁺ green nanophosphor: low temperature synthesis and photoluminescence properties” was presented at “**International Conference in Asia**” (IUMRS – ICA 2013) organized by the Materials Research Society of India in association with IISC and JNCASR, Bangalore on 16th – 20th Dec 2013 at Indian Institute of Science, Bangalore.
- Paper titled “The inhibition of mild steel corrosion in 0.5M H₂SO₄ solution by N,N,N-Tributyl-1-butanaminiiodide” was presented at “**International Conference on Recent Advances in Material Science and Technology**” (ICRAMST - 2013) organized by The Department of Chemistry, National Institute of Technology Karnataka, Surathkal, Mangalore on 17th – 19th Jan 2013.
- Paper titled “Corrosion behavior of Aluminium Kyanite in natural sea water” was presented at “**International Conference on Recent Advances in Material Science and Technology**” (ICRAMST - 2013) organized by The Department of Chemistry, National Institute of Technology Karnataka, Surathkal, Mangalore on 17th – 19th Jan 2013.
- Paper titled “Electrochemical studies of Al 6061 / zircon metal matrix composites in natural sea water” was presented at “**Second International Conference on Advanced Oxidation Process**” (AOP-2012) organized by The Society of Environmental Chemistry and Allied Sciences and School of Environmental Sciences, Inter university Instrumentation Center, Mahatma Gandhi University, Kottayam, India during 5th – 8th Oct 2012.
- Paper titled “Electrochemical studies of Al 7075 / zircon metal matrix composites in natural sea water” was presented at “**International Corrosion Conference and Expo**” (CORCON-2012) organized by NACE International Gateway India Section (NIGIS) in association with Indian Institute of Corrosion (IIC) during 26th – 29th Sep 2012 at Hotel Grand Hyatt, Goa.

- Paper titled “Effect of zircon on the corrosion rate of Al 6061 composites in alkali medium” was presented at “**International Conference on Current Trends in Chemistry and Biochemistry**” (ICCTCB–2009) organized by Department of Chemistry, Bangalore University, Bangalore on 18th – 19th Dec 2009.
- Paper titled “Potentiodynamic polarization studies of Al 6061 composites reinforced with red mud in acid chloride medium” was presented at “**International Conference on Current Trends in Chemistry and Biochemistry**” (ICCTCB–2009) organized by Department of Chemistry, Bangalore University, Bangalore on 18th – 19th Dec 2009.
- Paper titled “Corrosion behavior of Al 6061 / zircon metal matrix composites in natural sea water by potentiodynamic polarization techniques” was presented at “**46th Annual Convention of Chemists and International Conference on Recent Research Trends in Chemical Sciences**” at Chemistry Division, School of Science and Humanities, VIT University, Vellore, Tamil Nadu on 02nd – 06th Dec 2009, organized by Indian Chemical Society, Kolkata.
- Paper titled “Electrochemical studies of Al 6061 / red mud metal matrix composites in sea water by open circuit potential method” was presented at “**46th Annual Convention of Chemists and International Conference on Recent Research Trends in Chemical Sciences**” at Chemistry Division, School of Science and Humanities, VIT University, Vellore, Tamil Nadu on 02nd – 06th Dec 2009, organized by Indian Chemical Society, Kolkata.
- Paper titled “Corrosion behavior of Al 6061 / zircon metal matrix composites in neutral chloride solutions” was presented at “**Three Day International Conference on Recent Advances in Industrial Electrochemical Science and Technology**” (ICRAIEST-2009) on 05th – 07st Nov 2009, organized by Department of Chemistry, Mangalore University, Mangalagangothri, Mangalore, Karnataka.
- Paper titled “Evaluation of corrosion rate of Al 6061 / redmud metal matrix composites in marine water” was presented at “**Three Day International Conference on Recent Advances in Industrial Electrochemical Science and Technology**” (ICRAIEST-2009) on 05th – 07st Nov 2009, organized by Department of Chemistry, Mangalore University, Mangalagangothri, Mangalore, Karnataka.
- Paper titled “Open circuit potential studies of Al 6061 / zircon metal matrix composites in alkali medium” was presented at “**Three Day International Conference on Frontiers in Chemical Research**” (ICFCR-2008) on 29th – 31st Dec 2008, organized by Department of Chemistry, Mangalore University, Mangalagangothri, Mangalore, Karnataka.
- Paper titled “Electrochemical mechanism studies of Al 6061 / red mud metal matrix composites in neutral chloride solutions” was presented at “**Three Day**

International Conference on Frontiers in Chemical Research” (ICFCR-2008) on 29th – 31st Dec 2008, organized by Department of Chemistry, Mangalore University, Mangalagangothri, Mangalore, Karnataka.

- Paper titled “Weight loss corrosion studies of Al 6061 / red mud metal matrix composites in sea water” was presented at “**International Symposium for Research Scholars on Metallurgy, Material Science and Engineering**” an IIT Madras Golden Jubilee Event on 10th – 12th Dec 2008, organized by Department of Metallurgical and Materials Engineering IIT Madras in association with IIM Chennai Chapter, Material Advantage Chapter of IIT Madras, Metallurgical and Materials Engineering Students’ Association (METSAs).
- Paper titled “Corrosion studies of Al 6061 / zircon metal matrix composites in equimolar solution of sodium chloride and sodium hydroxide” was presented at “**45th Annual Convention of Chemists and International Conference on Recent Advances in Chemistry**” at P.G. Department of Studies in Chemistry, Indian Chemical Society, Kolkata.
- Paper titled “Weight loss corrosion studies of Al 6061 / red mud metal matrix composites in equimolar solution of sodium chloride and sodium hydroxide” was presented at “**45th Annual Convention of Chemists and International Conference on Recent Advances in Chemistry**” at P.G. Department of Studies in Chemistry, Karnatak University, Dharwad, Karnataka on 23rd – 27th Nov 2008, organized by Indian Chemical Society, Kolkata.
- Paper titled “Weight loss corrosion studies of Al 6061 / zircon metal matrix composites in 0.035% sodium chloride solution” was presented at “**Eighth International Symposium on Advances in Electrochemical Science and Technology**” at National Institute of Oceanography, Goa, India on 28th – 30th Nov 2006, organized by Society for Advancement of Electrochemical Science and Technology and Central Electrochemical Research Institute, Karaikudi, India.
- Paper titled “Weight loss corrosion studies of Al 6061 / TiB₂ metal matrix composites in 1N HCl solution” was presented at “**Eighth International Symposium on Advances in Electrochemical Science and Technology**” at National Institute of Oceanography, Goa, India on 28th – 30th Nov 2006, organized by Society for Advancement of Electrochemical Science and Technology and Central Electrochemical Research Institute, Karaikudi, India.
- Paper titled “Study on antioxidant and antidiabetic factors from the extracts of medicinal plants” was presented at “**Eighth International Symposium on Advances in Electrochemical Science and Technology**” at National Institute of Oceanography, Goa, India on 28th – 30th Nov 2006, organized by Society for Advancement of Electrochemical Science and Technology and Central Electrochemical Research Institute, Karaikudi, India.

- Paper titled “Weight loss corrosion studies of Al 6061 / zircon metal matrix composites in 1N HCl solution” was presented at “**First International Conference on Frontier Technologies – Need for the Industry, Business and Education**” on 6th – 8th Sep 2006, organized by ISTE chapter Adhiyamaan College of Engineering, Hosur, Tamil Nadu.
- *Invited to chair a session in the “**Fourteenth International Conference on Composites / Nano Engineering**” (ICCE-14), held from Jul 2nd - 8th, 2006 at Boulder, Colorado, USA. Organized by the Department of Mechanical Engineering, University of New Orleans.*

Paper Presentations in Conferences / Symposium (National - 32)

- Paper titled “Judd-Ofelt analysis and energy transfer mechanism in Pr³⁺ doped Mg₂SiO₄ nanophosphors” was presented at “**60th DAE Solid State Physics Symposium**” on 21st – 25th Dec 2015, organized by BARC & DAE, BRNS at Amity University, UP.
- Paper titled “Judd-Ofelt analysis of Sm³⁺ doped Zn₂TiO₄ Nanophosphor” was presented at “**National Conference on Nano and Materials Science**” (NMS - 2015) on 21st Dec 2015, organized by Department of Physics, Dayananda Sagar University, Bangalore - 68. *ISBN No: 978-93-85682-09-4*
- Paper titled “Characterization and luminescence studies of LaAlO₃:Sm³⁺ Nanophosphor” was presented at “**National Conference on Nano and Materials Science**” (NMS - 2015) on 21st Dec 2015, organized by Department of Physics, Dayananda Sagar University, Bangalore - 68. *ISBN No: 978-93-85682-09-4*
- Paper titled “Structural and photoluminescence studies of LaAlO₃:Dy³⁺ Nanophosphor” was presented at “**National Conference on Nano and Materials Science**” (NMS - 2015) on 21st Dec 2015, organized by Department of Physics, Dayananda Sagar University, Bangalore - 68. *ISBN No: 978-93-85682-09-4*
- Paper titled “Photoluminescence and Judd-Ofelt analysis of rare earth (Tm³⁺) doped YAP nanophosphors” was presented at “**National Conference on Advanced Functional Materials**” (AFM – 2015) on 4th – 5th Dec 2015, organized by Department of Chemistry, Dayananda Sagar College of Engineering, Bangalore – 78. *ISBN: 978-93-85682-04-9*
- Paper titled “Synthesis and characterization of ZnO nanoparticles for corrosion studies of Al composites” was presented at “**Two – Day National Conference on Current Scenario in Material Chemistry**” (CSIMC- 2015) on 9th - 10th Feb 2015, organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli. *ISBN No: 978-93-81521-60-1*

- Paper titled “ Effect of amine fictionalized Graphene dispersion on the electrical, mechanical and fire retardation properties of epoxy nano-composites” was presented at “**Two – Day National Conference on Current Scenario in Material Chemistry**” (CSIMC 2015) on 9th - 10th Feb 2015, organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli. *ISBN No: 978-93-81521-60-1*
- Paper titled “ Recovery and characterization of metals from alkaline batteries by using hydrometallurgical process” was presented at “**Two – Day National Conference on Current Scenario in Material Chemistry**” (CSIMC 2015) on 9th - 10th Feb 2015, organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli. *ISBN No: 978-93-81521-60-1*
- Paper titled “Photocatalytic activity of combustion synthesized $YAlO_3$ nanopowder” was presented at “**National Conference on Nano Science and Nano Technology**” on 11th Oct 2013, organized by The Departments of Mechanical Engineering Physics and Chemistry, BMS Institute of Technology, Bangalore. *ISBN No: 978-81-928203-2-3*
- Paper titled “Synthesis and photoluminescence properties of Sm^{3+} doped MgO nanoparticles” was presented at “**National Conference on Nano Science and Nano Technology**” on 11th Oct 2013, organized by The Departments of Mechanical Engineering Physics and Chemistry, BMS Institute of Technology, Bangalore. *ISBN No: 978-81-928203-2-3*
- Paper titled “Luminescence studies of low temperature synthesized Re^{3+} doped Forsterite nanophosphors” was presented at “**National Conference on Nano Science and Nano Technology**” on 11th Oct 2013, organized by The Departments of Mechanical Engineering Physics and Chemistry, BMS Institute of Technology, Bangalore. *ISBN No: 978-81-928203-2-3*
- Paper titled “Corrosion Studies of Al 7075 / zircon metal matrix composites in neutral chloride mediums by open circuit potential techniques” was presented at “**National Symposium on Electrochemical Science and Technology**” (NSEST-2012) on 24th – 25th Aug 2012, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- Paper titled “Synthesis and luminescence studies of Co^{2+} doped Nd_2O_3 nanophosphor” was presented at “**National Conference on Green Technologies, Fight Pollution**” on 4th – 5th April 2012, organised by Department of Biotechnology, Acharya Institute of Technology, Bangalore. *ISBN: 978-81-927319-1*
- Paper titled “Combustion synthesis, optical and luminescence studies of Neodymium oxide” was presented at “**National Conference on Green Technologies, Fight Pollution**” on 4th – 5th April 2012, organised by Department

of Biotechnology, Acharya Institute of Technology, Bangalore. *ISBN: 978-81-927319-1*

- Paper titled “ $\text{YAlO}_3:\text{Cu}^{2+}$ nanophosphor: Synthesis and Dosimetric Studies” was presented at “**National Conference on Green Technologies, Fight Pollution**” on 4th – 5th April 2012, organised by Department of Biotechnology, Acharya Institute of Technology, Bangalore. *ISBN: 978-81-927319-1*
- Paper titled “ $\text{YAlO}_3:\text{Gd}^{3+}$ nanophosphor: synthesis and dosimetric studies” was presented at “**National Conference on Green Technologies, Fight Pollution**” on 4th – 5th April 2012, organised by Department of Biotechnology, Acharya Institute of Technology, Bangalore. *ISBN: 978-81-927319-1*
- Paper titled “Phytochemistry and antimicrobial studies on medicinal plant terminalia arjunalinn (bark)” was presented at “**National Conference on Social Relevance of Chemical Sciences**” (SRCS – 2011) on 26th – 27th Mar 2011, organized by Department of Chemistry, Kuvempu University, Karnataka.
- Paper titled “Corrosion characterization of Al 6061 / zircon metal matrix composites in acid chloride mediums by potentiodynamic polarization techniques” was presented at “**National Symposium on Electrochemical Science and Technology**” (NSEST-2009) on 17th – 18th Jul 2009, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- Paper titled “Evaluation of corrosion rate of Al 6061 / zircon metal matrix composites in sea water” was presented at “**ISAMPE National Conference on Composites**” (INCCOM-7) on 4th – 5th Dec 2008, organized by Indian Society for Advancement of Materials and Process Engineering in collaboration with National Aerospace Laboratories (NAL), Bangalore.
- Paper titled “Weight loss corrosion studies of Al 6061 / redmud metal matrix composites in sodium hydroxide solutions” was presented at “**Fourteenth National Congress on Corrosion Control**” (NCCC-14) on 18th – 20th Sep 2008, organized by National Corrosion Council of India, Karaikudi, in collaboration with Central Electrochemical Research Institute, Karaikudi and Indian Institute of Chemical Technology, Hyderabad.
- Paper titled “Open circuit potential studies of Al 6061 / zircon metal matrix composites in neutral chloride medium” was presented at “**Fourteenth National Congress on Corrosion Control**” (NCCC-14) on 18th – 20th Sep 2008, organized by National Corrosion Council of India, Karaikudi, in collaboration with Central Electrochemical Research Institute, Karaikudi and Indian Institute of Chemical Technology, Hyderabad.
- Paper titled “Corrosion characterization of Al 6061 / zircon metal matrix composites in acid chloride mediums by open circuit potential studies” was presented at “**National Symposium on Electrochemical Science and**

Technology” (NSEST-2008) on 18st – 19th Jul 2008, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.

- Paper titled “Weight loss corrosion studies of Al 6061 / zircon metal matrix composites in different concentrations of sodium hydroxide solutions” was presented at “**Forty-fourth Annual Convention of Chemists**” on 23rd – 27th Dec 2007, organized by Indian Chemical Society, at Mahatma Gandhi Institute of Applied Sciences, Jaipur.
- Paper titled “Photo catalytic degradation of pulp and paper industrial effluent using semiconductor TiO₂ nano particles” was presented at “**Forty-fourth Annual Convention of Chemists**” on 23rd – 27th Dec 2007, organized by Indian Chemical Society, at Mahatma Gandhi Institute of Applied Sciences, Jaipur.
- Paper titled “Corrosion inhibition of Al 6061 alloy reinforced with TiO₂ nano particles” was presented at “**National Conference on Emerging Areas in Chemical and Biological Sciences**” (NCEACB - 2007) on 23rd - 24th Mar, 2007, conducted by School of Chemical Sciences, Departments of Chemistry and Industrial Chemistry, Kuvempu University, Karnataka.
- Paper titled “Inhibiting effect of thiourea on the corrosion of mild steel in 0.1N acid chloride medium” was presented at “**National Conference on Emerging Areas in Chemical and Biological Sciences**” (NCEACB - 2007) on 23rd - 24th Mar, 2007, conducted by School of Chemical Sciences, Departments of Chemistry and Industrial Chemistry, Kuvempu University, Karnataka.
- Paper titled “Open circuit potential studies of Za 27 / quartz metal matrix composites in different concentrations of hydrochloric acid” was presented at “**Thirteenth National Congress on Corrosion Control**” (NCCC-13) on 12th – 14th Oct 2006, organized by National Corrosion Council of India, Karaikudi, in collaboration with Central Electrochemical Research Institute, Karaikudi and National Institute of Technology Karnakaka, Surathkal.
- Paper titled “Weight loss corrosion studies of Al 6061 / zircon metal matrix composites in 3% sodium chloride solution” was presented at “**Thirteenth National Congress on Corrosion Control**” (NCCC-13) on 12th – 14th Oct 2006, organized by National Corrosion Council of India, Karaikudi, in collaboration with Central Electrochemical Research Institute, Karaikudi and National Institute of Technology Karnakaka, Surathkal.
- Paper titled “Weight loss corrosion studies of Al / TiB₂ metal matrix composites in 3% sodium chloride solution” was presented at “**Thirteenth National Congress on Corrosion Control**” (NCCC-13) on 12th – 14th Oct 2006, organized by National Corrosion Council of India, Karaikudi, in collaboration with Central Electrochemical Research Institute, Karaikudi and National Institute of Technology Karnakaka, Surathkal.

- Paper titled “Corrosion behavior of Al 6063 / garnet composites by potentiodynamic polarization techniques” was presented at “**National Symposium on Electrochemical Science and Technology**” (NSEST-2006) on 21st – 22nd Jul 2006, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- Paper titled “Open circuit potential studies of Zn 27 / quartz composites in acid chloride medium” was presented at “**Thirteenth National Convection of Electrochemists**” (NCE-13) on 5th – 6th May 2006, organized by Society for Advancement of Electrochemical Science and Technology and Central Electrochemical Research Institute, Karaikudi, Tamil Nadu.
- Paper titled “Comparative weight loss corrosion studies of Al 6061 / zircon metal matrix composites in acid and neutral chloride solutions” was presented at “**Thirteenth National Convection of Electrochemists**” (NCE-13) on 5th – 6th May 2006, organized by Society for Advancement of Electrochemical Science and Technology and Central Electrochemical Research Institute, Karaikudi, Tamil Nadu.
- Paper titled “Inhibiting effect of thiourea on the corrosion of mild steel in 1M HCl medium” was presented at “**National Conference on Application Oriented Materials**” (NCAOM 2006) on 21st - 22nd Apr 2006, conducted by Department of Physics, SRM Institute of Science and Technology (Deemed University), Kattankulathur, Tamil Nadu.

Conference / Refresher course / Short term course / Seminars / Symposia / Summer school / Winter school / Workshops / Training Program’s Attended

- Participated in the **18th ISTE Karnataka State Level Faculty Convention** held during the Nov 6th – 7th 2015 at PES University, Bangalore.
- Participated in the International Conference at **7th Bangalore India Nano 2014** on 4th – 6th Dec 2014 at The Lalit Ashok, Bangalore.
- Participated in the NBA workshop on “**Outcome Based Education & Accreditation**” on 7th & 14th - 16th June 2014, organized by NMAMIT, Nitte in association with NBA, New Delhi.
- Participated in the International Conference at **6th Bangalore India Nano 2013** on 4th – 6th Dec 2013 at The Lalit Ashok, Bangalore.

- Participated in the UGC sponsored state level seminar on **“Electrochemistry and Renewable Energy”** on 4th Sep 2013, organized by Department of Chemistry, SJRC, Bangalore.
- Participated in the one day workshop on **“Water and Water Treatment”** organized by The Electrochemical Society of India, IISC Campus Bangalore in association with CSIR New Delhi and Karnataka State Pollution Control Board, Bangalore on 30th Jan, 2013 at Choksi hall IISc Bangalore.
- Participated in the Workshop on **“Learn MATLAB in 2 Days”** organized by Department of Basic Sciences at SJB Institute of Technology, Bangalore -60, on 19th and 20th Nov 2012.
- Participated in the National Seminar on **“Emerging Trends in Computer Science and Engineering”** organized by CENSA on 10th Oct 2012, at East West Institute of Technology, Bangalore.
- Participated in the **Training and Orientation Course** for NSS Programme officers organized by NSS Empanelled Training Institute for Karnataka (ETI), University of Agricultural Sciences, Dharwad, from 27th Feb 2012 to 03rd Mar 2012.
- Participated in the Seminar on **“Eco – Friendly Metal Finishing Processes and RoHS Compliance Process”** held at IISC, Bangalore, on 14th and 15th Jun 2012, organized by The Electrochemical Society of India, IISC, Bangalore, in collaboration with CSIR, New Delhi.
- Participated in **“National Seminar on Industrial Metal Finishing & Electroplating”** held at IISC, Bangalore, on May 8th - 10th, 2012, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore and Indian Space Research Organization (ISRO). Bangalore.
- Participated in the National Conference on **“Recent Advances in Chemical and Environmental Sciences”** held at School of Graduate Studies, Jain University, Bangalore on 28th - 29th Dec 2011.
- Participated in **All India training Programme on Industrial Metal Finishing (AITP – 2011)** held at IISC, Bangalore, on Nov 21st - 26th, 2011, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- Participated in the **14th ISTE Karnataka State Faculty Convention** held during the Nov 18th – 19th 2011 at PESIT, Bangalore.
- Participated in **“National Seminar on Recent advances in Materials Science”** held at DBIT Bangalore, on Oct 21st – 22nd 2011.

- Participated in the “**National Symposium on Electrochemical Science and Technology**” (NSEST-2011) held at IISC, Bangalore, on Aug 19th - 20th, 2011, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore.
- Participated in the one day workshop on “**e - Waste, Regulations, Hazards, Solutions**” held at IISC, Bangalore, on 29th Jan, 2011, organized by The Electrochemical Society of India in association with Karnataka State Pollution Control Board Bangalore.
- Participated in the inter-collegiate **Climate Science Quiz** organized by the Divecha Centre for Climate Change, Indian Institute of Science, on 3rd Nov 2010 at IISC Bangalore.
- Participated in the one day workshop on “**Innovative Methods of Teaching**”, held at Department of Chemistry, Kuvempu University, on 28th Sep 2010.
- Participated in **All India training Programme on Industrial Metal Finishing (AITP – 2009)** held at IISC, Bangalore, on Feb 23rd - 28th, 2009, organized by The Electrochemical Society of India, Indian Institute of Science, Bangalore and Indian Space Research Organization (ISRO). Bangalore.
- Participated in the **National seminar on – Fusion possibilities of Ballet and Theatre** on 26th Aug 2007, held at city central library hall, Hampi Nagar, Bangalore.
- Participated in the **10th VTU Inter Collegiate Athletic meet** held at KIT, Tiptur from 30th Oct to 2nd Nov 2007 as a team manager.
- Participated in the state level one day workshop on “**Reversed Syllabus in Engineering Chemistry Theory and Lab of I / II Semester B.E., 2006-07**”, held at B.V. Bhoomaraddi College of Engineering and Technology, Hubli on 9th Sep 2006.
- Participated in the short term training program on “**Advances in Instrumental Methods of Analysis**” (AIM – 2006) conducted jointly by the departments of chemistry of BMS College of Engineering and Dr. Ambedkar Institute of Technology, Bangalore from 26th - 30th Jun 2006.
- Participated in the National Conference on “**Train the Trainers**” held at C.I.T. Gubbi, on 5th - 6th Apr 2006.
- Attended the Seminar on “**Physics of Nanotechnology and Controlling Air Pollution**” conducted on 3rd Dec 2005 at Sambhram Institute of Technology, Bangalore.

- Attended National Level Industry Interface Workshop on “**Emerging Trends in HR Management for the Campus Selections**” held at C.I.T. Gubbi, on 28th - 29th Oct 2005.
- Participated in the National Conference on “**Futuristic Polymer Materials**” on 23rd - 24th Sep 2005, organized by Rashtreeya Shikshana Samithi Trust, Bangalore and Department of Science and Technology, New Delhi at R.V.C.E. Bangalore.
- Attended one day workshop on “**Application of Science in Engineering and Technology**” organized by Ghousia College of Engineering, Ramanagaram, on 7th May 2005.
- Participated in state level one day workshop on “**Teaching Methodology in Engineering Chemistry**”, organized by S.D.M. College of Engineering and Technology, Dharwad and Forum of Chemistry Teachers in Engineering Colleges (Affiliated to VTU, Belgaum), on 11th Sep 2004 at S.D.M. College of Engineering and Technology, Dharwad.
- Participated in the seminar on “**New Trends in Metal Finishing Including Effluent Treatment**” held at IISC Bangalore on May 10th 2002.

Co-Curricular responsibilities in the presently working institution

- NSS Programme Officer from 01/04/2006.
- ISTE Secretary-cum-Treasurer from 01/08/2007 to 28/02/2013.
- VTU Coordinator from 17/12/2007.
- Programme Officer for Youth Red Cross Unit from 08/08/2012

Co-Curricular and Extra-Curricular responsibilities taken during the service

- Member in Carrier Guidance Cell (CGC)
- Member in Placement and Training cell and Training Officer
- College Magazine committee
- Workshops conducting committee
- Active participation in CET counseling and CET fair
- VTU fest and inter college fests

Secretary for – Cultural club
Gold Rush (Annual college fest)

Active role as – Residential warden
Local garden
First year Coordinator
Sports Coordinator

Additional Information

Father's name : Puttappa. B
Date of birth : 22nd April 1977
Sex : Male
Marital status : Married
Languages known : Kannada, Hindi, English



(NAGASWARUPA H. P.)