Faculty Profile

1	NAME	Dr.H. Nagabhushana
2	PRESENT POSITION	Professor & Chairman
3	OFFICIAL ADDRESS	Department of Physics, Tumkur University, Tumkur-572103, Karnataka, India
4	RESIDENTIAL ADDRESS	# 49, NMH Layout, Near Sapthagiri Engineering College, Bangalore 560 095, India
5	EMAIL	bhushanvlc@gmail.com
6	NATIONALITY	Indian
7	ACADEMIC QUALIFICATION	M.Sc., M.Phil., Ph.D., D.Sc., (Material Science)
8	TEACHING	13 Years
9	RESEARCH	16 Years
10	PUBLICATIONS (only peer reviewed with impact factor)	275
11	PUBLICATIONS (with ISSN & ISBN Numbered journals)	200
12	CONFERECES ATTENDED/PRESENTED (Invited/oral)	>150
13	BOOK CHAPTERS	20
14	BOOKS PUBLISHED/EDITED	10 (Edited), 1(published; Elsevier)
15	NUMBER OF Ph.D., AWARDED	10 (awarded) 4(submitted)+ 7(in progress)
16	NUMBER OF M.PHIL AWARDED	15
17	RESEARCH SCHEMES COMPLETED/ ONGOING	09 (IUAC, DST-NM, NRB, ISRO, VGST, BRNS etc.)

18	EDITORIAL BOARD MEMBER FOR THE JOURNALS	02 (Insights in Medical Physics, USA and Journal of Luminescence and Applications, Columbia International Publishing, USA)
19	REVIEWER FOR THE JOURNALS	>70 (including Elsevier, RSC, ACS, Wiley, Springer etc)
20	VISITS ABROAD	Thailand
21	NUMBER OF CITATIONS (Google scholar)	4300
22	H-INDEX	33
23	AREAS OF RESEARCH	Luminescence, defect studies, ion induced modifications in crystals & minerals, nanostructured phosphors
24	SPECIALIZATION	Material Science
25	LIFE MEMBERSHIP	04

AWARDS/HONORS

- **Development of $Nd_2O_3:Eu^{3+}$ nanocrystalline phosphor: A new potential TLD phosphor for dosimeter Applications**, B. Umesh, B. Eraiah, B.M. Nagabhushana, C.H. Rayappa, **H. Nagabhushana**, C. Shivakumara and R. P. S. Chakradhar, **National Conference on Luminescence and its Applications, (NCLA – 2009)**, CGCRI, Calcutta (February 19-21, 2009), "**Received Best poster presentation**
- **Photocatalysis and COD removal in Fe_2O_3 nano powders**, A.A. Jahagirdar, R. Nagaraju, N. Donnappa. **H. Nagabhushana**, Chikkahanumanthrayappa, R.P.S. Chakradhar, B.M. Nagabhushana, **National conference on Advances in nano materials, devices and technologies.** Kadapa (AP), July 11 & 12, 2009, **"Received first Best Paper Award"**
- **Preparation and characterization of Gd_2O_3: Eu^{3+} phosphor through a hydrothermal technique**, N. Dhananjaya , **H. Nagabhushana** , B.M. Nagabhushana, B. Rudraswamy R.P.S. Chakradhar , C.H.Rayappa, National Seminar on Display phosphors and its Applications (NSDPA-2009), Vivekananda Degree College, Bangalore University, Oct 22-23, 2009, p.46 "**Received first Best Paper Award**"
- Study of atmospheric dynamics over Tumkur in relation to Monsoon onset, D.L. Monika, H.N. Ramya, D.V. Sunitha, H. Nagabhushana, D. Srinivasa, B. Manikyam, Knowledge Utsav, Tumkur-Jain University, Bangalore Aug 28th 2010 "**Awarded best Oral Presentation**"
- **Synthesis of nano lanthanum oxide doped with Eu^{3+} ions and its characterization**, G. Manjula, H. Nagabhushana, J. Malleshappa, G. Ramakrishna, B.M. Nagabhushana, Knowledge Utsav, Tumkur-Jain University, Bangalore Aug 28th 2010 "**Awarded best Oral Presentation**"
- Photoluminescence studies of 100 MeV Ni^{8+} ion irradiated Al_2O_3 single crystals, H. Nagabhushana et.al., (**Awarded Top 1 article published in Bio MedLib.com**)

- **Luminescent properties of dysprosium hydroxide and oxide nanophosphors**, M. Chandrasekhar, D.V Sunitha, H. Nagabhushana, S.C. Sharma, B.M Nagabhushana, C. Shivakumara and R.P.S Chakradhar, Jain University, Bangalore, 28th-29th Dec 2011, "**Awarded best Poster Presentation**"
- **Dosimetric and EPR studies of $YAlO_3:Cr^{3+}$ nanophosphor prepared by combustion method**, H.B. Premkumar, H. Nagabhushana, B.M. Nagabhushana, C. Shivakumara, J.L. Rao and R.P.S. Chakradhar, RAFM, MSRIT, Bangalore, 24th-25th Jan 2012, "**Awarded best Poster Presentation**"
- Effect of fuel on photoluminescence and EPR studies of Eu-doped $CaAl_2O_4$, R. Hari Krishna, B.M. Nagabhushana, H. Nagabhushana, N. Suriya Murthy, C.Shivakumara, R.Sivaramakrishna and R. P. S. Chakradhar, RAFM, MSRIT, Bangalore, 24-25th Jan 2012, "**Awarded best Oral Presentation**"
- EPR and photoluminescence studies of ZnO: Mn nanophosphors prepared by solution combustion route, A. Jagannatha Reddy, M. K. Kokila, H. Nagabhushana, R.P.S. Chakradhar, J.L.Rao, B.M. Nagabhushana, C. Shivakumara, J. Spectrochimica Acta Part A: Molecular and Bio molecular Spectroscopy 79(2011)476-480, **Awarded Best research publication** of the year 2011-12 from VGST, Karnataka
- Hydrothermal synthesis and luminescence properties of ZnO nanophosphor, N. Pushpa, M. K. Kokila, B.M. Nagabhushana, H. Nagabhushana, A. Jagannatha Reddy, International Conference in Asia (IUMRS-ICA 2013), IISc., Bangalore, 16-20th December 2013, India. Awarded best Poster Presentation"
- Electron Irradiation Induced Effects on Photoluminescence Properties of $Y_2O_3:Tb^{3+}$ nanophosphors prepared Via Green Synthesis Route, D.V.Sunitha, H. Nagabhushana, K. Hareesh, V. N. Bhoraskar, S.D. Dhole, National Conference on Advanced Nanotechnology and its Applications (NCOANA-15), Maharani Science College, Bangalore, 22, 23rd January 2015 (**Awarded Ist prize in Poster Presentation**)
- **Editorial Board Member,** Journal of Luminescence and Applications, Columbia International Publishing, USA 2014 – till date
- **Editorial Board Member**, Insights in Medical Physics (IMP), USA 2015- till date
- Our work has been cited in Nature India; Pigeon pea powder to make nano antibacterials (http://www.natureasia.com/en/nindia/article/10.1038/nindia.2014.108)
- **Scientific Committee Member**, Thermec 2016, International Conference on PROCESSING & MANUFACTURING OF ADVANCED MATERIALS Processing, Fabrication, Properties, Applications, Graz – AUSTRIA
- **Organizing Committee member,** International Conference on SMART ENGINEERING MATERIALS [ICSEM-2016], Technical committee member held at R.V. College of Engineering, 20-22 Oct 2016, Bangalore, India
- **Organizing Chair**, International Conference on Advances in Science and Engineering January 20-22, 2017, Ambassador Hotel, Bangkok, Thailand
- **Organizing Committee member**, 4th World Conference on Applied Science, Engineering and Technology, 6 ,7th September 2017, Dubai

- **Convener, National conference on** Trends in Advanced Materials and their Applications"(TAMA-2017) On 30th November 2017, Tumkur University, Tumkur

BOOKS (ISBN Number)

- S.C. Sharma, **H. Nagabhushana**, K.S. Girish, T.N. Ramesh, R.G. Sharathchandra and S. Devaraja. 2013. **Materials: Design, Synthesis and Applications**. Karnataka State Higher Education Council, PP 281. **ISBN 978-81-923331-4-4**
- S.C. Prashantha, **H. Nagabhushana**, H.P. Nagaswarupa, **$Mg_2SiO_4:RE^{3+}$ for WLEDs Green combustion route using plant latex**, **ISBN-13:978-3-659-57130-5**, Lambert Academic publications 2014.
- S.C. Sharma, **H. Nagabhushana**, Anantharaju, H.B. Premkumar, Advanced Functional Materials (AFM-15), **ISBN: 978-93-85682-04-9**
- S.C. Sharma, **H. Nagabhushana**, **Recent Advances in Applied Chemistry** (RAAC-15), **ISBN: 978-93-85682-07-0**
- S.C. Sharma, H. Nagabhushana, DSU Physics
- S.C. Sharma**, H. Nagabhushana**, K.S. Anantharaju, H.B. Premkumar, ***Materials for Advanced Technological applications,*** United Agencies Publications, Mangalore, **ISBN No. 978-93-85682-12-4, 2016**
- S.C. Sharma, **H. Nagabhushana**, K.S. Anantharaju, K. R. Vishnu Mahesh, ***Modern Trends in Aerodynamic systems and Mathematical Models,*** United Agencies Publications, Mangalore, **ISBN No. 978-93-85682-13-1,2016**
- S.C. Sharma, **H. Nagabhushana**, K.S. Anantharaju, P. Adinarayana Reddy, ***Recent Advances in communication and computer Sciences***, United Agencies Publications, Mangalore ISBN No. 978-93-85682-14-8, 2016
- S.C. Sharma, H. Nagabhushana, K.S. Anantharaju, H.B. Premkumar, ***Current Advances in Nano engineered Materials,*** United Agencies Publications, Mangalore ISBN No. 978-93-85682-15-5, 2016

RESEARCH PROJECTS

- **UGC-MRP (00. 60 LAKHS) : PI**
  Title: ***Low temperature syntheses, characterization and Thermoluminescence studies of nano Bio-ceramics*** *(Year: 2009; completed)*
- **ISRO (16.41 LAKHS) : PI**
  Title: ***Development of advanced ZnO nano materials for gas sensors and environmental monitoring*** *(Year: 2013; completed)*
- **DST NANO MISSION (100.0 LAKHS) : PI**
  Title: ***Development of rare earth doped nanophosphors for display and dosimetric applications*** (Year: 2014; completed)
- **IUAC-UGC (06.75 LAKHS) : PI**
  Title: ***Ionoluminescence studies on pure & doped nanocrystalline silicates***
  (Year: 24.4.2010 - 23.4.2013; completed)
- **NRB (09.10 LAKHS) : PI**
  Title: ***Development of transition metals ion doped CeO_2 thin films for possible thermal sensors and anti-fouling coatings (Year: 2014; completed)***
- **DST Fast track (23.00 LAKHS) : PI**
  Title: ***Development of potential rare earth doped silicate nanophosphors for display and dosimetry applications*** **(Year: 2013 - 2016; ongoing)**
- **ISRO RESPOND (14.85 LAKHS) : Co-PI**
  Title: ***Synthesis of Tantalum Pentoxide - Reduced Graphene Oxide Hybrid Nanomaterials: Ionic Liquid Based Electrolytes for Lithium battery (ONGOING)***
- **DST NANO MISSION: (152 LAKHS) Co-PI**
  Title: ***Green Synthesis of pure/doped nanometal oxides, metal oxide-reduced graphene oxide hybrid nanomaterials: Applications to H_2 generation, Li battery, energy saving, photodegradation and biological effect (ONGOING)***
- **VGST, Govt. Karnataka (20 Lakhs) : PI**
  Title: ***Novel and Efficient Nanophosphors for Solid State Lighting and Radiation Monitoring***

Ph.D. Awarded			
Sl. No	**Name of the Student**	**Title of the thesis**	**Year of Award**
1	**Miss. D.V. Sunitha**	Iono, photo and thermoluminescence studies of pure and rare earth doped nanosilicates	2013
2	**H.B. Prema kumara**	Synthesis and luminescence properties of pure and doped single crystal and nanopowders of $YAlO_3$	2013
3	**M. Madesh Kumar**	Synthesis, characterization and luminescence properties of $CaSiO_3$ nanophosphors	2014
4	**M. Shivaram**	Low temperature synthesis, characterization, luminescence, dielectric and conductivity studies on doped and undoped $CaTiO_3$ nanopowders	2015
5	**J. Malleshappa**	Spectroscopic and luminescence studies of CeO_2 nanophosphors doped with rare earth and transition metal ions	2016
6	**G. Ramakrishna**	Influence of Sensitizers, Co-dopants on rare earth doped Yttrium silicate nanophosphors for Luminescence applications	2016
7	**M. Chandrasekhar**	Structural and Luminescence studies of Pure and Eu^{3+} doped Oxide nanophosphors synthesized via Organic and Plant based fuels	2015
8	**B.S. Ravikumar**	Luminescence properties of combustion synthesized rare earth and transition metal ions doped $ZnAl_2O_4$ nanophosphors	2016
9	**Mrs. Sujatha**	Study of Materials exhibiting non-linear V-I characteristics and Suppression of Electromagnetic Noise	2017 (Submitted)
10	**D. L. Monika**	Investigation of Structural and Luminescent Properties of pure and doped Strontium cerate (Sr_2CeO_4) nanophosphor	2017
11	**B. Daruka Prasad**	Transport and Magnetic Properties of Transition metals doped nano zinc Ferrite for high performance devices	2017
12	**B.M. Manohar**	Luminescence Spectroscopic Studies of Rare earth and Transition Metal ions doped $CdSiO_3$ nanophosphor	2017
13	**M. Venkataravanappa**	Low temperature synthesis of M_2SiO_4: $Eu^{3+/2+}$ (M= Sr, Mg, Ba) and Ca_2SiO_4:M^{3+} (M=Eu, Dy, Nd) silicate nano phosphors and its applications in white light emitting diodes	2017 (Submitted)
14	**K.N. Venkatachalaiah**	Green mediated synthesis, characterization and luminescence properties of rare earth and transition metal ion doped Y_2O_3 nanophosphors	2017 (Submitted)
15	**M. Dhanalakshmi**	Effect of activators, fluxes on structural and Luminescent properties of $BaTiO_3$ Nano powders prepared by wet chemical method	2018 (Submitted)
16	**F. Femila Komahal**	Structural, Optical and Luminescent properties of rare earth doped $ZnAl_2O_4$ phosphor prepared via wet chemical routes	2018 (Submitted)
17	**H.S. Yogananda**	Investigation of structural and optical properties of molybdenum oxide nanopowders	2018 (Submitted)

18	**C.J. Shilpa**	Synthesis of rare earth and transition metal ions doped nanoparticles: Structural, morphological and Luminescence studies	2018 (Submitted)
19	**M.S. Geetha**	Plant latex mediated green combustion synthesis of rare earth doped nano oxides: Study of Structural and Photoluminescence Properties	2018 (Submitted)
20	**C. Suresh**		Course work completed
21	**N. Deepthi**		Course work completed
22	**R.B. Basavaraj**		Course work completed
24	**Rohini**		Course work completed
25	**Mangala Gowri**		Course work completed
24	**Rajashekar**		Registered 2017
23	**D. Navami**		Registered 2017

M.Phil Awarded

1	**B. Umesh**	Combustion synthesis, characterization of $MgSiO_3$	2007
2	**M. Madesh Kumar**	Synthesis, characterization and Thermoluminescence studies of Mullite	2007
3	**Smt. K.L. Jyothi**	Synthesis and characterization of nano materials by Hydrothermal method	2007
4	**Kishore. N Gujjar**	Effective atomic number studies in Dosimetric compounds	2008
5	**Mohamed Ajmal. M**	Sol-Gel synthesis, characterization and Thermoluminescence of Mullite nano particles	2008
6	**Prem Kumar H.B**	Synthesis, Characterization and Luminescence properties of Neodymium oxide nano crystalline phosphor	2008
7	**Nusrath Jabeen**	Ion induced modification studies of Calcite	2008
8	**Prapulla C.B**	Synthesis, Characterization and Luminescence properties of Aluminum oxide nano phosphor	2008
9	**Nagaraja**	Ion beam induced luminescence and Photoluminescence studies of Al_2O_3 crystals	2008
10	**Chivukula Srikanth**	Synthesis, Characterization and Thermoluminescence studies of nano silicate	2008

CONFERENCES ORGANIZED/TECHNICAL COMMITTEE

- National Conference on Luminescence and its Applications (NCLA-05) at Bangalore University and WORKED as **TREASURER**, 2005
- National **Organizing Committee Member** - National Seminar on Display Phosphors and its Applications (NSDPA- 2009), Vivekananda Degree College, Bangalore Oct 22-23, 2009
- National **Organizing Committee Member** - National Seminar on Display Phosphors and its Applications (NSDPA-2010), RNSIT, Bangalore 2010

- **Advisory committee member**-Workshop on Luminescence of nanomaterials, 29th Jan 2011, MSRIT, Bangalore
- **Advisory committee member**-Workshop on Advanced Materials and their applications, March 26, 2011, BMSIT, Bangalore
- **Advisory committee member**-Workshop on Materials for advanced technology, May 14, 2011, Jain University, Bangalore
- **Technical Programme committee Member**, National conference on Recent Advances in Functionalized Materials (RAFM-12) 24-25th Jan 2012, M.S. Ramaiah Institute of technology, Bangalore
- **Organizing Committee Member**, Nat. Conf. on Social Relevance of Nanomaterials & Appls. An Interdispl. Approach (SNAIA-2011) Dec 31, 2011, Higher Education Council & Tumkur. University.
- **Organizing Committee Member**, Nat. Conf. on Chemistry of materials, 28th Sept. 2011, Tumkur University.
- **Coordinator**, Two day workshop on Recent trends in condensed Matter Physics, 16-17th Sept. 2011, Tumkur University
- **Advisory committee member**, National Seminar on Recent Advances in Materials Science (RAMS-11), 21-22, Oct 2011, Don Bosco Institute of Technology
- **Technical Programme committee Member**, National conference on Recent Advances in Material Science ,12-14 Dec 2012, M.S. Ramaiah Institute of technology, Bangalore
- **Convener**, Nat. Conf. on Recent Advances in Chemical and Enviro. Sciences, (NCRACES-2011), 28-29 Dec 2011,Tumkur and Jain University
- **Treasurer**, Luminescence Soc. of India, Karnataka Chapter, India 2010-tilldate
- **Technical committee member**, Developments and opportunities in civil engineering applied sciences and mechanical engineering, 18 & 19th May 2012, East west institute of technology, Bangalore.
- **Logistics committee member**, International conference on Recent Advances in Materials Science (RAMS – 2012), 6-8th Nov 2012, Karnataka State Higher Education Council, Mangalore University, Gulbarga University, Kuvempu University and Tumkur University.
- **Coordinator**, KSTA sponsored Workshop 2013.
- **Local Organizing committee member,** ICLA 15 held at PES University.
- **National Advisory Committee Member,** National Seminar on Research Aspirants of Nanomaterials and Its Applications (NSRANA-15)SJCIT, Chikkaballapur, 2015
- **Local Advisory committee Member,** Nat. Conf. on Impact of "**Physics on Biological Sciences" 2016** SSCW, Tumkur
- **National Advisory Committee member,** Nat. conf. on current trends in Applied Science and Technology, New Horizon College of Engineering, Bangalore.
- **Publication committee Member**, **Recent Advances in Materials**" (NCRAM – 2017) on Wednesday 30th August 2017, APS College of Engineering, Bangalore
- **Organizing Chair**, International Conference on Advances in Science and Engineering, January 20-22, 2017, Regent's International College, Bangkok, Thailand

- **Convener**, National conference on Trends in Advance Materials and their Applications, Tumkur University, 30th Nov. 2017.

TEACHING & RESEARCH EXPERIENCE

- 2004-2006 (2 years) Scientific Assistant, Forensic Science Laboratory, Govt. of Karnataka, Bangalore
- 2006-2007 (1year) Assistant Professor, Govt. First Grade College, Srinivasapura, Kolar Dist.
- 2007-2012 Assistant Professor University College of Science, Tumkur University, Tumkur
- 2012-Till date Associate Professor, Dept. of Studies & Research in Physics, TUT
- Coordinator, Center for Remote Sensing & GIS, TUT.
- Coordinator, Center for Advanced Materials Research, TUT

ADMINISTRATIVE EXPERIENCE

- Chairman, Board of studies (BOS & BOE) in Physics (UG & PG), Tumkur University, Tumkur
- Member, Board of studies in Physics (UG), Jain University, Bangalore
- Member, Board of studies in Physics (UG), Bangalore University, Bangalore
- Member, Board of studies in Electronics (PG), Bangalore University, Bangalore
- Member, Board of studies in Physics (PG), National College, Jayanagara, Bangalore
- Member, Board of studies in Physics (UG & PG), JNT University, Anantapur, AP
- Chairman, Board of studies (BOS & BOE) in Material Science, Tumkur University, Tumkur
- Chairman, Dept. of Studies & Research in Physics, TUT 02.09.2013 to 02.09.2015 (2Yrs) 03.09.2015-2017 (2 yrs)
- Member, Board of studies in Physics, Davanagere University 2015,2018

List of publications in peer reviewed journals

2018

277	**Rapid identification of latent fingerprints, security ink and wLED applications of $CaZrO_3:Eu^{3+}$ fluorescent labelling agent fabricated via bio-template assisted combustion route,** D. Navami**, H. Nagabhushana,** ***Journal of Alloys and Compounds*** **(accepted) 2017, IF=3.13**
276	**One pot synthesis of TiO_2: Eu^{3+} hierarchical structures as a highly specific luminescent sensing probe for the visualization of latent fingerprints and antimimetic applications,** K.R. Venkatesha Babu, C.G. Renuka, R.B. Basavaraj, G.P. Darshan, **H. Nagabhushana,** ***J of rare earths, 2018 (Accepted)*** **2018 IF=2.42**
275	**Rapid visualization of latent fingerprints using novel $CaSiO_3:Sm^{3+}$ nanophosphors fabricated via ultrasound route, R.B. Basavaraj, G.P. Darshan, B. Daruka Prasad, S.C. Sharma, Paneer Selvam, Premkumar, H. Nagabhushana,** ***Journal of Rare Earths*** **(accepted) 2017 (IF=2.42)**
274	**Flux blended synthesis of novel $Y_2O_3:Eu^{3+}$ sensing arrays for highly sensitive dual mode detection of LFPs on versatile surfaces,** ***J of rare earths (Accepted) 2018*** **IF=2.42**
273	**Design of Bi-functional composite core-shell $SiO_2@ZnAl_2O_4:Eu^{3+}$ array as fluorescent sensors for selective and sensitive latent fingerprints visualization protocol,** ***Advanced Powder Technology*** **(2018)**
272	**Surfactant assisted $BaTiO_3:Eu^{3+}@SiO_2$ core-shell superstructures obtained by ultrasonication method: Dormant fingerprints visualization and red component of WLED applications"** Muniswamy, Dhanalakshmi, **Nagabhushana Hanumanthappa**, Basavaraj R. B. Darshan Giriyapura Prabhukumar, Prasad B Daruka**,** ***ACS Sustainable Chemistry & Engineering (ACS),*** **(IF=5.95) accepted (2018)**
271	**Synergistic mechanism of $ZnFe_2O_4$/ZnO nanopowder in photocatalytic degradation of acid orange 7,** Zulfiqar Ahmed, K.B. Chandrasekhar, A.A. Jagirdhar**, H. Nagabhushana,** B.M. Nagabhushana**,** ***Asian J of Chemistry, 30(2018) 607***
270	**Rapid visualization of fingerprints on various surfaces using ZnO superstructures prepared via simple combustion route,** N. H. Deepthi, R. B.Basavaraj, S. C. Sharma, J. Revathi, Ramani, S. Sreenivasa, **H. Nagabhushana,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
269	**Mixed fuel approach for the fabrication of $TiO_2:Ce^{3+}$ (1-9 mol %) nanopowders: Applications towards wLED and latent finger print detection,** K.R. Venkatesha Babu, C.G. Renuka, **H. Nagabhushan**a, ***Ceramics International*** **(IF=2. 75) accepted**
268	**Electrochemical, photoluminescence and EPR studies of Fe^{3+} doped nano forsterite: Effect of doping on tetra and octahedral sites,** Ramachandra Naik, S.C. Prashantha, **H. Nagabhushana,** ***J of Luminescence*** **(IF=2.70) accepted**
267	**Fabrication of improved quality LaOF: Eu^{3+} coated on SiO_2 functional nanopowders for sensitive visualization of latent fingerprints and WLED's applications,** C. Suresh, **H. Nagabhushana,** R.B. Basavaraj, S.C. Sharma, R. Vanithamani, B. Daruka Prasad, ***Journal of Colloid and Interface Science*** **(IF=4.50)**
266	**Bio-template assisted solvothermal synthesis of broom-like $BaTiO_3:Nd^{3+}$ hierarchical architectures for display and forensic applications,** M. Dhanalakshmi, H. Nagabhushana, R.B. Basavaraj, G.P. Darshan, S.C. Sharma, B. Daruka Prasad**,** ***Materials Research Bulletin*** **(IF=2.44) (accepted)**

265	**Y_2O_3:Eu^{3+} nanopowder with high-resolution 3D Micro-architecture assemblies used in Finger print and Anti-counterfeiting applications,** ***Sensors and Actuators B: Chemical*** (accepted) 2018 (**IF=5.40)**
264	**Rapid visualization of fingerprints on various surfaces using ZnO superstructures prepared via simple combustion route,** N. H. Deepthi, R. B.Basavaraj, S. C. Sharma, J. Revathi, Ramani, G.P. Darshan, S. Sreenivasa, **H. Nagabhushana,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
263	**Rapid synthesis of C-dot@TiO_2 core-shell composite labeling agent: Probing of complex fingerprints recovery in fresh water,** H.J. Amith Yadav, B. Eraiah, R.B. Basavaraj, **H.Nagabhushana**, S.C. Sharma, R. Nithya, S. Shanthi**,** ***Journal of Alloys and Compounds*** **(accepted) 2017 (IF=3.13)**
262	**Broad spectral inhibitory effects of pale green zinc oxide nanophosphor on bacterial and fungal pathogens,** H.J. Amith Yadav, B. Eraiah, **H. Nagabhushana**, B. Daruka Prasad, R.B. Basavaraj, M.K. Sateesh, J.P. Shabaaz Begum, G.P. Darshan, G.R. Vijayakumar, ***Arabian journal of Chemistry*** **(IF=5.38) accepted**
261	**Ganoderma applanatum-mediated green synthesis of silver nanoparticles: structural characterization and in vitro and in vivo biomedical and agrochemical properties,** Sudisha Jogaiah, Mahantesh Kurjogi, Mostafa Abdelrahman, Hanumanthappa Nagabhushana, Lam-Son Phan Tran**,** ***Arabian journal of Chemistry*** **(IF=5.38) accepted**
260	**Enhanced Sunlight driven photocatalytic performance and visualization of latent fingerprint by green mediated $ZnFe_2O_4$ -RGO nanocomposite,** ***Arabian journal of Chemistry*** **(IF=5.38) accepted**
259	**MoO_3 nano/microstructures obtained from EGCG assisted sonochemical route: Evaluation of its potentiality towards forensic, sensing and photo catalysis applications,** H. S. Yogananda, **H. Nagabhushana**, G. P. Darshan, R. B. Basavaraj, B. Daruka Prasad, M. K. Sateesh, G. K. Raghu**,** ***Journal of Alloys and Compounds*** **(accepted) 2017 (IF=3.13)**
258	**Multifunctional Dy (III) doped di-calcium silicate array for boosting display and forensic applications,** ***Journal of Rare Earths*** **(accepted) 2017 (IF=2.42)**
257	**"Bio-inspired ultrasonochemical synthesis of blooming flower like hierarchical architectures of 3D ZnO nanoarrays and their excellent biostatic performance,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
256	**Effect of Li, Na, K cations on photoluminescence of $GdAlO_3$:Eu^{3+} nanophosphor and study of Li cation on its antimicrobial activity, R. Venkatesh, N. Dhananjaya, M.K. Sateesh, J.P. Shabaaz Begum, S.R. Yashodha, H. Nagabhushana, C. Shivakumara,** ***Journal of Alloys and Compounds*** **(accepted) 2017, IF=3.13**
255	**Synthesis, Crystal Structure and Photoluminescence Studies of Copper (II) and Cobalt (II) Complexes with Bis(1[(4-butylphenyl)imino]methyl naphthalen-2-ol) Schiff base,** V.B. Nagaveni **H. Nagabhushana**, N. Lokanath, K.M. Mahadevan S. Naveen**,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
254	**Calcination temperature dependent structural modifications, tailored morphology and luminescence properties of MoO_3 nanostructures prepared by sonochemical method,** H.S.Yogananda, **H Nagabhushana**, Ramachandra naik, S.C. Prashantha**,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
253	**Luminescent properties of Tb doped gadolinium aluminate nanophosphors for display and forensic applications,** P.K Jisha, S.C Prashantha, **H Nagabhushana,** ***Journal of Science: Advanced Materials and Devices*** **(Accepted 2017)**
252	**Fabricated CeO_2 nanopowders as a novel sensing platform for advanced forensic, electrochemical and photocatalytic applications,** B.S. Rohini, **H. Nagabhushana**, G.P. Darshan, R.B. Basavaraj, S.C. Sharma, R. Sudarmani, ***Applied Nanoscience*** **(IF=3.32) (accepted)**
251	**Facile, One pot-Green synthesis of $MnCO_3$ & $MnCO_3$–rGO Cubes, Dumbbells and Ovals: A Cheap and Environmentally benign anode material for Li-ion Battery and Biosensor for nanomolar Dopamine detection, H. Nagabhushana,** ***New Journal of Chemistry*** **(RSC)** (accepted) 2017 **IF=3.23**

250	**Ultrasound assisted sonochemically engineered effective red luminescent labeling agent for high resolution visualization of latent fingerprints** M. Dhanalakshmi**, H. Nagabhushana**, G.P. Darshan, B. Daruka Prasad**,** ***Materials Research Bulletin*** **(IF=2.44) (accepted)**
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1.	Luminescence, Display and Dosimetric Applications of Silicate Nanophosphors: A Review	D.V. Sunitha, S.C. Sharma, H. Nagabhushana, H.B. Premkumar	Current Advances in Nano engineered Materials United Agencies Publications, Mangalore ISBN No. 978-93-85682-15-5 Page No. 01-24	2016
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