

## Curriculum Vitae

### **DR. ARUNKUMAR LAGASHETTY**

M.Sc., M.Phil., Ph.D.

Designation: Associate Professor  
Work Place: Department of PG Studies and Research in Chemistry,  
Vijayanagara Sri Krishnadevaraya University, Ballari, Karnataka, India



### Personal details:

Fathers Name: Nagashetteppa Lagashetty  
Date of Birth: 10-July-1975  
Marital status: Married  
Nationality: Indian  
Languages Known: Kannada, English, Hindi

<u>Address for Correspondence</u> <b>Dr. Arunkumar Lagashetty</b> Associate Professor Department of PG studies and research in Chemistry, Vijayanagara Sri Krishnadevaraya University, BALLARI- 583105, Karnataka, India Email: <a href="mailto:arun_lagashetty@yahoo.com">arun_lagashetty@yahoo.com</a> <a href="mailto:arun.lagashetty@gmail.com">arun.lagashetty@gmail.com</a> Cell No. 09448830309	<u>Residence Address</u> <b>Dr. Arunkumar Lagashetty</b> “Kalyani Kuthira”, H.No. 1-891/70/80, Corporation Layout, Near Venkatagiri Hotel, New Jewargi Road, KALABURAGI-585104 Karnataka, India (Native Address: Tq- Kamalapur, Dist: Kalaburagi)
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### Academic Qualification

<b>B.Sc.</b> -(1998): Sharanabasaweshwar College of Science, Kalaburagi (Gulbarga University) Karnataka, India
<b>M.Sc.(Physical Chemistry)</b> - 2000:Gulbarga University Kalaburagi, Karanataka, India
<b>M.Phil.(Physical Chemistry)</b> -(2001): Gulbarga University, Kalaburagi, Karanataka, India
<b>Ph.D.(Physical Chemistry)</b> - (2004): Gulbarga University, Kalaburagi, Karanataka, India

### Research Interest

- 1 Synthesis of nanomaterials through different techniques.
- 2 Synthesis of some Polymers through different routes.
- 3 Synthesis of some Polymers-Ceramic Composites through different routes.
- 4 Sensors

- 5 Adsorption study of metal ions on Nanomaterials
- 6 Nanomaterials as a drugs
- 7 Synthesis of some conducting Polymers
- 8 Adsorption study of metal ions on synthesized Polymers.
- 9 Bionanotechnology
- 10 Nanoelectronics

### **Achievements and Awards**

- 1) Name selected for Biographical sketch to the book, **WHO'S WHO IN THE WORLD-2007**.
- 2) Felicitated by President of Sharanabasaveshwar Vidya Vardhak Sangha for producing excellent result in **Engg. Chemistry subject** of VTU examinations during the academic years 2004-05, 2005-06 and 2006-07.
- 3) **Young Scientist Award** from Karnataka Science Congress in 17 September 2011.
- 4) **Regional Teacher Award** sponsored by Praja Suddi news paper on 30-09-2011.
- 5) **Vidya Shree Award** sponsored by Renukacharya Ashrama, Dongargaon dist Kalaburagi on 01-11-2011.
- 6) Seed money **Young Scientist Award** from VGST, Government of Karnataka, Bangalore

### **Awards of Scholarship**

Junior Research Fellow, UGC Major Research Project

**Project Title:** Synthesis & studies of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> for Magnetic Tape Recording and Memory devices.

### **Titles of the Awarded Degrees**

**M. Phil:** Synthesis and adsorption study of lead ion on  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>

**Ph.D:** Synthesis and Studies on some Polymer-Ceramic composites

### **Research Projects**

Title of the Project: **Synthesis, Characterization and Applications of Nanomaterials**

Funding Agency: VGST, Seed money Young Scientist Award

### Books Written (Subject Books)

- 1) Title of the Book: **Objective Environmental Studies**  
Published by Laxmi Publications- 2009.
- 2) Title of the Book: **Chemistry of Nanomaterials**  
Published by Laxmi Publications-2012
- 3) Title of the Book: **Engineering Chemistry Lab Manual**  
Published by Sharanabasaveshwar Grantha Vishwa Vidyalaya, Kalaburagi-2006

### Books Written (Literature Books)

- 1) Title of the Book: **Nanna Halli**  
Published by Kalyani Prakashana, Kalaburagi in the year 2012
- 2) Title of the Book: **Prema Sinchana**  
Published by Kalyani Prakashana, Kalaburagi in the year 2015

### Literature Books Edited

- 1) Title of the Book: **Sharana Sadhane**  
Published by Sharanabasaveshwar Samstana Kalaburagi in the year 2014
- 2) Title of the Book: **Bharatiya Darshanika Parampare**  
Published by Sharanabasaveshwara Granta Visha Vidyalaya, Kalaburagi in the year 2015
- 3) Title of the Book: **Shikshna Kshetradalli Sharanabasaveshwar Vidya Vardhaka Sangha**  
Published by Sharanabasaveshwara Granta Visha Vidyalaya, Kalaburagi in the year 2015

### Spectroscopic Techniques known

- 1) X-ray diffraction (XRD),
- 2) Scanning Electron Micrograph (SEM),
- 3) Transmission Electron Micrograph (TEM),
- 4) Fourier transforms infrared spectroscopy (FTIR),
- 5) Ultraviolet spectroscopy (UV),
- 6) Thermal Methods (TGA/DTA/DSC),
- 7) X-ray diffraction microanalysis (EDAX), etc
- 8) Atomic force microscope (AFM)

## Details of Research Guidance

### Ph.D Awarded

S. No	Students	Topic
1	Dr. Anilkumar Kodge	Synthesis, Characterization and studies of some metal oxides and its polymer composites
2	Dr. Mahesh N	Studies on some metal oxide nanomaterials

### Ph.D Working

S.No	Students	Topic
1	Smt. Tanuja Bhavi	Synthesis and Characterization of nanomaterials and design optimization of sensor for medical applications
2	Smt. Amruta Pattar	A highly efficient intra body nano communication using IONT
3	Mr. Manjunath Patil	Green Approach for the synthesis and stabilization of biocompatibility nanoparticles and their Application in Cancer Therapy
4	Mr. Vaibhav Muttin	Synthesis, characterization and studies of nanomaterials and its polymer nanocomposites

### M.Phil/M.Tech Awarded

Sl. No	Students awarded M. Phil Degree	Students awarded M. Tech Degree
1	Mr. Shivaraj G	Ms. Parvati Patil
2	Mr. Shrishail Hogade	Smt. Amruta Pattar
3	Mr. Arunkumar	Mr. Manjunath Patil
4	Mr. Shivakumar	Mr. Vaibhav Muttin
5	Mr. Basavantraya Patil	Smt. Tanuja Bhavi
6	---	Mr. Shrishail

## Administrative Experience

- 1) As a **Head of the Department of Chemistry**, at Appa Institute of Engineering & Technology, Gulbarga
- 2) As a **Squad chairman** for VTU examinations

- 3) As a **Member BOE** of Gulbarga region for Engineering Chemistry of VTU examinations
- 4) As a **coordinator for VTU valuation work** at Appa Institute of Engineering and Technology for consecutive six examinations.
- 5) **As a coordinator for VTU valuation work** at VTU Regional Office, Gulbarga.
- 6) As a **Reviewer** of Research papers for various journals.
- 7) As a **editorial Board Member** for six international journals
- 8) **Chief Editor and Founder** of the Journal: *Deccan Journal of Chemistry*
- 9) As a **Member BOE** for Nanotechnology of VTU examinations 2015

### **Founder and chief editor**

#### **Deccan Journal of Chemistry** (ISSN No. 2347-730X)

(Biannually research journal of Chemistry)

### **Editorial board member of the journals**

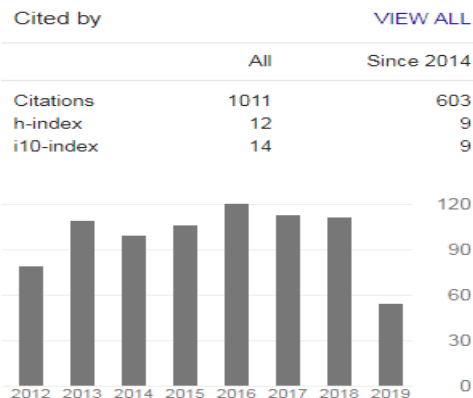
- 1) Global journal of Bioscience and Biotechnology
- 2) International Journal of Advanced Biological Research
- 3) International Journal of Science and Nature
- 4) International Journal of Engineering and Management Sciences
- 5) Journal of Materials Physics and Chemistry
- 6) American Journal of Nanomaterials

### **Teaching Experience**

<b>S.No</b>	<b>Experience</b>
1	As a Lecturer in Chemistry Department, at Appa Institute of Engineering & Technology from 2003 to 2011
2	As Assistant Professor in Chemistry Department, at Appa Institute of Engineering & Technology from 2011 to 2013
3	As Associate Professor in Chemistry Department, at Appa Institute of Engineering & Technology from 2013 to 2017
4	As a Professor in Chemistry Department, at Reshmi Degree College from 2017 onwards

## Citations (Google Scholar)

Total Citations	1011
h-index	12
i10- index	14



## Research Collaborations:

- 1) Department of Chemistry, Gulbarga University, Kalaburagi
- 2) Department of Nanotechnology, Regional Research Centre, Visveshwaraya Technological University, Belgaum.
- 3) Department of Materials Science, Gulbarga University, Kalaburagi

## Membership of professional organization

- 1) Life member of Indian Council of Chemists

## Long Term Training Programmes

- 1) Training Programme in **Analytical & Cryogenic Instrumentation and Workshop and Glass blowing technique** held at USIC, Gulbarga University, Gulbaraga during Aug 1998 & Dec 98-Jan 99.
- 2) Four days VTU-VGST sponsored Faculty Development program on **Role of Teachers: Challenges and Opportunities in Technology** from 07-05-2014 to 10-05-2014 at Department of P G Studies, VTU Regional Office, Gulbarga
- 3) One week faculty development programme on **“Effective Teaching and Learning in Higher Learning Institution”** organized by Appa Institute of Engineering & Technology, Gulbarga from 8<sup>th</sup> Jan- 13<sup>th</sup> Jan 2015.
- 4) Short term course on **Nanoscience & Engineering** at M S Ramayya School of Advanced studies, Bangalore, 28<sup>th</sup> Sep-08Oct 2005.

## Invited Lecture Delivered

1. At Department of Materials Science, **Gulbarga University, Gulbarga** on 30April 2011 Materials society lecture series.

Topic: **Materials Chemistry**

2. At Department of Materials Science, **Gulbarga University, Gulbarga** on 5-March-2012 Materials society lecture series.

Topic: **Materials Chemistry-Structure and Properties**

3. At Department of Materials Science, **Gulbarga University, Gulbarga** on 30-March 2010 Materials society lecture series.

Topic: **Materials Chemistry-Synthesis to applications.**

4. At **Appa Institute of Engineering & Technology**, Gulbarga, on 21-10-2004, under Orientation Programme

Topic: **Nano Science & Nanotechnology**

5. **Appa Institute of Engineering & Technology**, Gulbarga on 11-11-2003, under Orientation Programme

Topic: **Environmental Science**

6. At **Visveswaraya College of Applied Science**, Gulbarga on 23 Sep 2009 under UGC sponsored One day seminar

Topic: **Nanotechnology: A new perspectives**

7. At Institute of Engineers, Gulbarga on 10-10-2010 under special lecture arranged at the Institute

Topic: **Nanoscience and Nanotechnology**

8. At Institute of Engineers, Gulbarga on 30April2011 under special lecture arranged at the Institute

Topic: **Polymers and its Applications**

9. At Institute of Engineers, Gulbarga on 25 July 2011 under International year of Chemistry arranged at the Institute

Topic: **Chemistry our life, our future**

10. **At Godutai College for women's, Gulbarga on 14 January 2010 under NSS camp**

Topic: **Environment and Biodiversity**

11. **At Bheemanna Khandree Institute of Technology, Bhalki, on 23 and 24 Feb 2013 on the eve of FACULTY DEVELOPMENT PROGRAMME.**

Topic: **Modern Teaching Aids and its Applications.**

12. **At Appa Institute of Engineering & Technology, Gulbarga on 20<sup>th</sup> Jan 2013 on the eve of Faculty Development programme**

Topic: **Nanotechnology for Synthetic materials.**

13. **At Basavakalyan Engineering College, Basavakalyan on 29<sup>th</sup> Sep 2015 on the eve of VGST sponsored Two days seminar on Science & Technology**

Topic: **Introduction to Polymer nanocomposites.**

14. **At Lingaraj Appa Engineering College, Bidar on 12<sup>th</sup> May 2014 on the eve of Two days National Level workshop on Recent Development in Science and Technology.**

Topic: **Nanotechnology: Present, Past and Future Sinarior**

15. **At M.S.Irani Degree college of Arts. Science and Commerce, Kalaburagi on 27-12-18 on the eve of NAAC Sponsored two days National Conference.**

Topic: **The role of NAAC for improvement of Quality in Higher Education Institutions**



## **Research Publications**

1	<p>Microwave-assisted route for synthesis of nanosized metal oxides.  <b>Arunkumar Lagashetty</b>, Vijayanand Havanoor, S Basavaraj, S D Balaji and A Venkataraman.  Sci. &amp; Tech. Adv. Mater., 8(2008)484-493  (ISSN No. 1468-6996), (Impact factor =4.787)</p>
2	<p>Extracellular biosynthesis of silver nanoparticles using the fungus Fusarium semitectum  Basavaraja S, S. D. Balaji <b>Arunkumar Lagashetty</b>, S. Rajasab and A. Venkataraman.  Mater. Res. Bull. 41(2008)1162-1170  (ISSN No. 0025-5408), (Impact factor =2.873)</p>
3	<p>Green Synthesis, Characterisation and Thermal study of Silver nanoparticles by Achras Sapota, Psidium Gauva and AzadirachtaIndica plant Extract.  Manjunath Patil, <b>Arunkumar Lagashetty</b> and Sangappa K Ganiger  Plasmonics, 8(3) (2019)  (ISSN No.1557-1955 ) (DOI: 10.1007/s111468-019-00910-3  (Impact Factor = 2.56)</p>
4	<p>Preparation, Characterization and Thermal Studies of <math>\gamma</math>-Fe<sub>2</sub>O<sub>3</sub> &amp; CuO dispersed Polycarbonate Nanocomposites  <b>Arunkumar Lagashetty</b>, Vijayanand Havanoor, Basavaraj S and A.Venkataraman  J. Therm. Anal. &amp; Cal. 99(2010) 577-581.  (ISSN No.1388-6150(Print), 1572-8943(Online), (Impact factor =2.209)</p>
5	<p>Synthesis, Characterisation and Antibacterial study of Ag-Au Bi-metallic nanocomposite by bio reduction using piper Betal leaf extract  <b>Arunkumar Lagashetty</b> and Sangappa K Ganiger  Heliyon. (2019)  (ISSN No. 2405-8440) (Impact Factor= 1.2)</p>
6	<p>Synthesis, Characterization and Antibacterial study of Ag doped magnesium ferrite nanocomposite.  <b>Arunkumar Lagashetty</b> and Sangappa K Ganiger  Heliyon.5 (2019) e01760  (ISSN No. ) (Impact Factor= 1.2)</p>
7	<p>Synthesis, characterization and studies of Polyimide-<math>\gamma</math>-Fe<sub>2</sub>O<sub>3</sub> nanocomposites  H ,V Vijayanad, <b>L Arunkumar</b>, PM Gurubasavaraj, P M Veeresha Sharma, S Basavaraj, A Saleem, A Venkataraman, Anil Ghanwat and N N Maldar  J Appl. Poly. Sci.103 (2)(2007)834-840).  (ISSN No. 0021-8995 (Print), 1097-4628(Online)  (Impact factor =1.203) (UGC Sl. No. 21426)</p>
8	<p>Synthesis of MoO<sub>3</sub> and its polyvinyl alcohol nanostructured film.</p>

	<p><b>Arunkumar Lagashetty</b>, Vijayanand Havanoor, S Basavaraj and A Venkataraman  Bull. Mat. Sci. 28(5)(2005)477  (ISSN No. 0250-4707(Print), 0973-7669(Online),  Impact factor =0.944) (UGC Sl. No.)</p>
9	<p>Polymernanocomposites  <b>Arunkumar Lagashetty</b> and A Venkataraman  Resonance, 10(7)(2005)49.  (ISSN No.0971-8044) (UGC Sl. No. 10515)</p>
10	<p>Adsorption Study of lead ions on nanosized SnO<sub>2</sub> synthesised by Self-Propagating Combustion reaction  <b>Arunkumar Lagashetty</b> and A Venkataraman  Bull. Mat. Sci. 27(6)(2004)419.  (ISSN No. 0250-4707(Print), 0973-7669(Online),  ( Impact factor =0.944) (UGC Sl. No. )</p>
11	<p>Combustion Derived Ultrafine <math>\gamma</math>-Fe<sub>2</sub>O<sub>3</sub>: Structure, Morphology and Thermal Studies.  N. N Mallikarjuna, B Govindraj, <b>Arunkumar Lagashetty</b> and A Venkataraman  J. Therm. Anal. &amp; Cal. 71(2003) 915-925.  (ISSN No.1388-6150(Print), 1572-8943(Online) (Impact factor =2.209)</p>
12	<p>Synthesis of Cobalt ferrite by thermal Decomposition of Citrate precursor by a Self-Propagating Combustion Reaction  N. N Mallikarjuna, <b>Arunkumar Lagashetty</b> and A Venkataraman  J. Therm. Anal. &amp; Cal. 74(2003) 817.  (ISSN No.1388-6150(Print), 1572-8943(Online), Impact factor =2.209)  (DOI No. 1388–6150/2003/ \$ 20.00)</p>
13	<p>Preparation and characterization of Polyaniline and Polyaniline-Silver Nanocomposites via Interfacial Polymerization.  Mahesh D Bedre, Basavaraj S, Balaji S D, Shivakumar V, <b>Arunkumar Lagashetty</b> and A Venkataraman  Polymer Composite, 30(2009)1668-1677.  (ISSN No.1548-0569), (Impact factor =1.943)</p>
14	<p>Lead Adsorption Study on Combustion Derived <math>\gamma</math>-Fe<sub>2</sub>O<sub>3</sub> Surface  <b>Arunkumar Lagashetty</b>, Vijayanand Havanoor, Basavaraj S, N. N. Mallikarjuna and A. Venkataraman  Bull. Mater. Sci. 33(1) (2009)1-6  (ISSN No. 0250-4707(Print), 0973-7669(Online), (Impact factor =0.944)</p>
15	<p>Use of Liquid-Liquid Interfacial for Synthesis of Amorphous Maghemite Nanoneedles.  S Basavaraj, S.D Balaji, Mahesh D.B, <b>Arunkumar Lagashetty</b>, Vijayanand</p>

	Havanoor, and A Venkataraman Surface Review and Letters, 19(2)(2012)50019-(1-8) (ISSN No 0218-625X) (Impact factor = 0.734)
16	Synthesis and characterization of Zinc Ferrite nanoparticles obtained by self-propagating low temperature combustion method Pratviraj Swamy, S Basavaraj, <b>Arunkumar Lagashetty</b> , N V Srinivas Rao, R Nijgunappa and A Venkataraman Bull. Mater. Sci. 34(7)(2009)1325-1330 (ISSN No. 0250-4707(Print), 0973-7669(Online), Impact factor =0.944)
17	Synthesis and Characterization of Ag doped cobalt ferrite nanocomposite Amrutha Pattar, Sangappa K Ganiger and <b>Arunkumar Lagashetty</b> * I.J. Nano. Dimen, 10(3)(2019)291-296 (ISSN No.2008-8868) (Impact Factor = 0.8)
17	Synthesis and Characterization of LiMnPO <sub>4</sub> /Carbon Nanocomposite materials as cathode material Nataraj S, Dinesh Rangappa and <b>Arunkumar Lagashetty</b> Phy. Chem. Res. (2016)(In Press) (ISSN No. 2454-3691)
19	Synthesis, Characterization and Thermal Study of Poly (methyl methacrylate)-Co <sub>3</sub> O <sub>4</sub> Nanocomposite Film Anilkumar Kodge, Sanghshetty Kalyane and <b>Arunkumar Lagashetty</b> Int. J. Nano dimension 3(1)(2012)53-57. (ISSN No.2008-8868). (Impact factor = 0.766) (UGC Sl. No.64170)
20	Combustion Synthesis of LiMn <sub>2</sub> O <sub>4</sub> by thermal Decomposition of Oxalte precursors <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj and A Venkataraman Ind. J Chem. Tech. 15(2008)41-42. (ISSN No. 0971-457), (Impact factor =0.373) (UGC Sl. No. 20727)
21	Adsorption Studies of lead ions on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> -Thiourea complex Composite <b>Arunkumar Lagashetty</b> , N. N Mallikarjuna, and A Venkataraman Ind .J. Chem. Tech., 10(2003) 63-66. (ISSN No. 0971-457, Impact factor =0.373)
22	Synthesis of some Ceramic Materials employing Microwave and Combustion Methods. <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor and A Venkataraman Inorganic materials, Narosa Publishing House, New Delhi, 2004. (ISBN No.
23	Metal oxides dispersed Polyvinyl alcohol nanocomposites

	<p><b>Lagashetty A</b>, Basavaraj S, Bedre M and Venkataraman A  J. Met. Mater. Sci., 51(4) (2009)297-306.  (ISSN No. 0972-4257). (Impact Factor = 0.04)</p>
24	<p>Synthesis, Characterization and Antimicrobial activity of Metal Complexes with 4-Salicylideneamino-3(4-Chlorophenoxymethyl)-4, 5-diamino-1, 2,4-triazole.  Vijayakumar Durg, K. Shivprasad, Shashidhar, Kashinath K and <b>Arunkumar Lagashetty</b>  J. Electrochem. Soc. India, 59(1/2)(2010)10-16.  (ISSN No. 0013-4651)</p>
25	<p>Preparation and characterization of Polyaniline-NiO Nanocomposites  Mahesh D Bedree, Basavaraj S, Raghunandan Deshpande, Balaji D Sawale, <b>Arunkumar Lagashetty</b>, Govindraj and Venkataraman A  J. Met. Mater. Sci., 52 (4) (2010)149-154.  (ISSN No. 0972-4257) (Impact Factor = 0.04)</p>
26	<p>Preparation and characterization of Polyaniline-NiO nanocomposites via Interfacial polymerization  Mahesh D Bedree, S Basavaraja, Raghunandan Deshpande, Balaji D. Sawle, <b>Arunkumar Lagashetty</b>, B Govindraj and A Venkataraman.  J. Matl. &amp; Mater. Sci., 52(2) (2010)149-154.  (ISSN No. 0972-4257) (Impact Factor = 0.04)</p>
27	<p>Crystallographic Study of Microwave prepared Nanosized Nickel Oxide  <b>Arunkumar Lagashetty</b>, B Govindraj, Mahesh Bedree and A Venkataraman  Proceedings of International conference on Communication, Computation, control and Nanotechnology (ICN-2010), Rural Engg. College, Bhalki, Excel India Publishers, pp 911-913.  (ISBN: 978-93-80697-23-9)</p>
28	<p>An Anamnesis on the Internet of Nano Things (IoNT) for Biomedical Applications  Amrutha Pattar, <b>Arunkumar Lagashetty</b> and Anuradha Savadi  Kumar A., Mozar S. (eds) ICCCE 2018. ICCCE 2018. Lecture Notes in Electrical Engineering, vol 500. Springer, Singapore  ISBN, Print (978-981-13-0211-4), Online(978-981-13-0212-1)  Published by Springer, Singapore, (DOI: <a href="https://doi.org/10.1007/978-981-13-0212-1_22">https://doi.org/10.1007/978-981-13-0212-1_22</a>)</p>
29	<p>Microwave-Assisted Synthesis, Characterization and Thermal study of Nano sized Metal Aluminates  <b>Arunkumar Lagashetty</b> and Sangappa K Ganiger  J. Met. Mater. Sci.,60(3) (2018)139-148  (ISSN No. 0972-4257) (Impact Factor = 0.04) (UGC SI.No. 24604)</p>
30	<p>Lithium Nickalte Dispersed Poly(methyl methacrylate) Nanocomposite Film  Anilkumar Kodge and <b>Arunkumar Lagashetty</b></p>

	Asian J. Research Chem.; 10(2)(2017)142-144. (DOI: 10.5958/0974-4150.2017.00023.2) (ISSN No. 0974-4169)
31	Nanosized Zirconium Titanate Dispersed Polyvinyl Alcohol Nanocomposite Film Anilkumar Kodge and <b>Arunkumar Lagashetty</b> J.Chem. Chem. Sci. 7(2)(2017)81-86. (ISSN No.2229-760)
32	Microwave Preparation, Characterizations and Thermal Study of Nanosized LiMn <sub>2</sub> O <sub>4</sub> Shrishail Hogade, <b>Arunkumar Lagashetty</b> and Basavaraj Sannakki Journal of Applicable Chem. 4(3)(2015)00-00 (ISSN No. 2278-1862)(Impact Factor= 1.2910)
33	Microwave synthesis CoFe <sub>2</sub> O <sub>4</sub> : Structure, Morphology, Bonding and Thermal study Shrishail Hogade, <b>Arunkumar Lagashetty</b> and Basavaraj Sannakki Ind. J Appl. Res. 5( 6)( 2015)753-755 ISSN - 2249-555X (ISSN No.)(Impact Factor= 3.2910)
34	Low temperature synthesis and characterization of nanosized vanadium oxide Mahesha N and <b>Arunkumar Lagashetty</b> J.Appl. Chem. 2(4)(2013)982-986 (ISSN No. 2278-1862)(Impact Factor= 1.2910) (UGC Sl. No. 62886)
35	Synthesis and Characterization of Polyvinyl alcohol-Cobalt oxide nanocomposite film. Anilkumar Kodge, Sanghshetty Kalyane and <b>Arunkumar Lagashetty</b> J. Matl. & Mater. Sci. 53(4)(2011)387-392. (ISSN No. 0972-4257) (Impact Factor = 0.04) (UGC Sl. No. )
36	Adsorption study of Pb <sup>+2</sup> ions on Nanoceramics <b>Arunkumar Lagashetty</b> , Mahesh Bedree and A. Venkataraman J. Matl. & Mater. Sci. 52(4) (2010)357-362 (ISSN No. 0972-4257). (Impact Factor = 0.04) (UGC Sl. No. )
37	Preparation and Characterization of Magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles Mahesh D Bedre, S Basavaraja, Raghunandan Deshpande, Balaji D. Sawle, <b>Arunkumar Lagashetty</b> and A Venkataraman. J. Matl. & Mater. Sci.52(3)(2010)209-214. (ISSN No. 0972-4257) (Impact Factor = 0.04)
38	Electrical Studies of Nano-sized Barium Ferrite A.M Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b> Int. J. Mater. Science 4(4)(2009)485-492. (ISSN No.0973-4589)
39	Microwave firing for synthesis of nanosized magnesium ferrite A. M Bhavikatti, <b>Arunkumar Lagashetty</b> , Subhash Kulkarni Proceedings of International Symposium on Advanced Materials and

	Processing (ISAMP). 29-30 Oct 2007, BEC Bagalkot, Karnataka, India. (ISBN No. )
40	The $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Dispersed Polyethylene Glycol Nanocomposites: Structure, Morphology and Thermal studies. <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj and A Venkataraman Inter. Sem. Adv. Poly. Tech. CUST Kochin, Jan 16-17, 2004. (ISBN No. )
41	Adsorption studies of Ca <sup>2+</sup> ions on Rubber Composites Vijayanand Havanoor, N. N Mallikarjuna, <b>Arunkumar Lagashetty</b> and A Venkataraman Asian J. Chem. 15(1)(2003) 79. (ISSN No.0970-7077) ( Impact factor =0.268)
42	Synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Dispersed Polyvinyl Alcohol Nanocomposite film <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, N. N Mallikarjuna, and A Venkataraman Asian J. Chem. 15(344)(2003) 1500. (ISSN No.0970-7077) ( Impact factor =0.268)
43	Combustion Synthesis of nanosized $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> : Structure, Morphology and Bonding <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj, D S Balagi and A Venkataraman, Mat. Sci. Res. Ind. 02(1)(2004)13 (ISSN No.0973-3469)
44	Combustion Synthesis of Nickle Ferrite <b>Arunkumar Lagashetty</b> , Sanghashetty Kalyani, and S Omprakash J. Mater. Sci. Res. Ind., 3(2)(2005)145. (ISSN No.0973-3469)
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46	Green Synthesis and Characterization of Silver Nanoparticles using Piper Betle Leaf Extract. <b>Arunkumar Lagashetty</b> Bull. Adv. Sci. Res. 1(5)(2015)136-138 (ISSN No. 2454-3691)
47	Synthesis and Characterization of Nanosized Zirconium Titanate Dispersed Polyaniline Nanocomposite Vaibhav Muttin, Nagabasavanna Sharanappa, <b>Arunkumar Lagashetty</b> Bulletin of Advanced Scientific Research 02(07)(2016)32-33

	(ISSN: 2454-3691)
48	DC Conductivity study of PANI/ MgFe <sub>2</sub> O <sub>4</sub> nanocomposite. Shrishail Hogade, Sangshetty Kalyane, <b>Arunkumar Lagashetty</b> , Mahantappa Limbitot and Basavaraj Sannakki. J. Emer. Tech. Inn. Res., 6( 9)(2018) 521-522 . (ISSN: 2349-5162) (UGC SI.No. 63975)
49	Zirconium Titanate Dispersed Poly(Methylmethacrylate) Nanocomposite Film Shantkumar Babangol and Arunkumar Lagashetty J. Nanosci. & Tech. 2(2)(2017)260-261 (ISSN No. 2455-0191) (UGC SI.No. 63573)
50	Low temperature Synthesis of BaTiO <sub>3</sub> by thermal decomposition of metal oxalate precursors <b>Arunkumar Lagashetty</b> , Basavaraj Srigiri Proceedings of International Symposium on Advanced Materials and Processing (ISAMP). 29-30 Oct 2007, BEC Bagalkot, Karnataka, India (ISBN No. )
51	Nanotechnology: An overview <b>Arunkumar Lagashetty</b> and A. M. Bhavikatti Mater. Sci. an Ind. J, 5(3), 2009(274-276). (ISSN No. 0974-7486)
52	Solid State Synthesis of LiNiO <sub>2</sub> <b>Arunkumar Lagashetty</b> Bull. Adv. Sci. Res.1(2)(2015)60-61 (ISSN No. 2454-3691)
53	Microwave synthesis of Nano-sized Barium Ferrite A.M Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b> Proceedings of 2 <sup>nd</sup> International Symposium on Advanced Materials and Polymers for Aerospace and Defense Applications (SAMPADA-2008) S25- PO-15(116-117).
54	Magnetic, a.c Conductivity and dielectric studies on Nano-Sized magnesium Ferrite. A.M Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b> Proceedings of 1 <sup>st</sup> International conference on Nanostructured Materials and Nanocomposites, Published by Allied Science Innovations private limited, India (6-8 April 2009) pp 69-73.
55	Magnetic and Transport properties of cobalt ferrite A. M. Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b> Int. J. Mater. Sci. 2(1) (2010)125-134. (ISSN No. 0975-6450)

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57	Synthesis and characterization of BaTiO <sub>3</sub> by thermal decomposition of metal oxalate precursors <b>Arunkumar Lagashetty</b> , A. M. Bhavikatti, B. Mahadevi and Subhash Kulkarni Int. J. Elec. Engg. Res., 2(4) (2010)581-588. (ISSN No. 0975-6450)
58	Characterization and Electromagnetic studies of Nano-sized Barium Ferrite A. M. Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b> , Int. J. Engg. Sci. & Tech., 2(11) (2010)6532-6539. (ISSN No.0975-5462)
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60	Synthesis and Characterization of Polyaniline-polyvinyl alcohol-NiO nanocomposite film Sindhu Honmure, <b>Arunkumar Lagashetty</b> and A.Venkataraman Ind. J. Appl. Res. 3(8)(2013)91-93. (ISSN No. 2249-555X , Impact factor 0.8215)
61	Synthesis and characterisation of nanosized cadmium oxide Mahesha N and <b>Arunkumar Lagashetty</b> Int. J.Sci. Res. 2(7)(2013)73-75. (ISSN No. 2277-8179 , Impact factor 0.3317 )
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63	Synthesis, Characterization and studies of Nanosized $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> . Anilkumar Kodge and <b>Arunkumar Lagashetty</b> Ind. J. Appl. Res. 3(4)(2013) 456-459. (ISSN No. 2249-555X , Impact factor 0.8215)
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67	<p>Electromagnetic studies of nano-sized magnesium ferrite  A. M. Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b>,  Int. J. Elec. &amp; Comm. Engg. &amp; Tech. 2(2) (2011)8-15.  (ISSN No. 0975-5462, Impact factor =0.85)</p>
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72	<p>Microwave firing for synthesis of Nanosized Magnesium ferrite  A.M Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b>  Ultra Science, 21(1)(2009)9-14  (ISSN No.0970-9150) (Impact factor =0.048)</p>
73	<p>Insitu polymerization synthesis for polyaniline–NiTiO<sub>3</sub> composites: structure, morphology, bonding and dielectric study</p>

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76	Synthesis of polyaniline-Zirconium oxide composites: Structure, Morphology and microwave absorption studies Manjula C, <b>Arunkumar Lagashetty</b> and Anilkumar Koppalkar, K. Sudheendran, K.C. James Raju and Sangshetty.Kalyani Int. J. Adv. Engg. Appl. Sci. (In Press) (ISSN: 2278-6252).
77	Chemical Oxidation method for Synthesis of Polyaniline-In <sub>2</sub> O <sub>3</sub> Composites Shankarananda, <b>Arunkumar Lagashetty</b> and Sangshetty.Kalyani Int. J. Engg. & Sci. 1(10)(2012)59-64. ISSN: (2278-4721)
78	Synthesis, Characterization and Biological activities of combustion derived nanoceramics <b>Arunkumar Lagashetty</b> , Nagraj S Patil and Sanghashetty Kalyani, Ultra Science, 17(2)(2005)237. (ISSN No.0970-9150) (Impact factor =0.048)
79	Microwave Absorption studies on Conducting polymer (PANI-PbO) Composites Sharadatayi, <b>Arunkumar Lagashetty</b> and Sangshetty.Kalyani Int. J. Engg. & Sci. 1(10)(2012)65-67. ISSN: (2278-4721)
80	Polyaniline-SbO <sub>2</sub> Composites: Preparation, Characterization and a. c Conductivity study Shanakaranda, <b>Arunkumar Lagashetty</b> and Sangshetty.Kalyani Int. J. Engg. & Sci. 1(11)(2012)9-13. (ISSN: (2278-4721)
81	Zinc Oxide Adsorbent for lead ion <b>Arunkumar Lagashetty</b> Dec. J. Chem. 1(1)(2013)1-4

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82	Large scale synthesis of nickel ferrite (NiFe <sub>2</sub> O <sub>4</sub> ) by self propagating combustion reaction. Venugopal. K. J. <b>Arunkumar Lagashetty</b> , N. V. Srinivasa Rao and A. Venkataraman Dec. J. Chem. 2(3)(2012)33-45 (ISSN 2347-730X)
83	Combustion Synthesis of ZnO nanomaterials <b>Arunkumar Lagashetty</b> J. Appl. Sci. Int. 2015 (ISSN No. ) (Impact Factor= )
84	Microwave-Assisted Synthesis and Characterisation of Nanosized ZnO, CdO and ZnO-CdO Nanocomposite <b>Arunkumar Lagashetty</b> J. Nanosci. & Tech. 2(2)(2016)97-99 (ISSN No. 2455-0191)
85	Dielectric study of MgFe <sub>2</sub> O <sub>4</sub> Shrishail Hogade' <b>Arunkumar Lagashetty</b> and Basavaraj Sannakki Deccan J. Chem. 4(2) (2015)10-12 (ISSN No. 2347-730X)
86	Nanosized Cobalt Oxide as Adsorbent for Pb(II) ions Anil. Kodge and <b>Arunkumar Lagashetty</b> J. Adv. Chem. Sci. 2(2)(2016)248250 (ISSN No. 2395-5311)
87	Lithium Nickelate Dispersed Polyvinyl Alcohol Nanocomposite Film: Structure, Morphology and Bonding Anilkumar kodge and <b>Arunkumar Lagashetty</b> Ind. J Appl. Res. 6(5)(2016)744-745 (ISSN No.) (Impact Factor= 3.2910)
88	Ac conductivity and Dielectric Properties of Mg-Zn Ferrite Omprakash. S, <b>Arunkumar Lagshetty</b> , and P.S.Naik Dec. J. Chem. 2(3)(2012)46-53. (ISSN 2347-730X).
89	Microwave Preparation of Nanosized Gamma Iron Oxide Anilkumar Kodge <b>Arunkumar Lagashetty</b> Proceedings of International conference on Latest trends in Nanoscience and Nanotechnology (IC-2011), KBN Engg. College, Gulbarga, pp 904-907.

90	<p>Polyvinyl alcohol / graphite nanocomposite film: structure, morphology and Bonding  <b>Arunkumar Lagashetty</b>  Dec. J. Chem. 2(3)(2012)5-11  (ISSN 2347-730X)</p>
91	<p>Evaluation of A C conductivity and dielectric behaviour of Cobalt ferrite  A. M. Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b>,  Int. J. Engg. Sci. &amp; Tech. 3(7)(2011)5987-5993.  (ISSN No. 0975-5462)</p>
92	<p>Synthesis, Characterization and Q-factor studies of cobalt ferrite synthesized by microwave route  A. M. Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b>,  Int. J. Multi. Mater. Mod. 1(1)(2010)1-8.  (ISSN No. )</p>
93	<p>Synthesis, Characterization and Studies of Polychloroaniline  <b>Arunkumar Lagashetty</b>, Mahesh Bedree, Anilkumar Kodge, Sanghshetty Kalyani &amp; A.Venkataraman  Proceedings of International Conference on Latest trends in Nanoscience and Nanotechnology (IC-2011), KBN Engg. College, Gulbarga, pp 904-907.</p>
94	<p>Magnetic and Transport properties of Nickel ferrite synthesized by Microwave route  A.M Bhavikatti, Subhash Kulkarni and <b>Arunkumar Lagashetty</b>  Proceedings of Silver Jubilee conference on Communication Technologies and VLSI Design(Comm. V' 09), VIT University, Vellor, India, Oct8-10, 2009, pp 453-454.</p>
95	<p>Solvo thermal Synthesis and Characterization of acicular <math>\alpha</math>-Fe<sub>2</sub>O<sub>3</sub> particles  S Basavaraj, S.D Balaji, Mahesh D.B, <b>Arunkumar Lagashetty</b>, Vijayanand Havanoor, and A Venkataraman  Mater. Res. Bull. (Under review).</p>
96	<p>Synthesis, Characterisation and Studies of Barium Ferrite Dispersed Poly(methylmethacrylate) Nanocomposite  Shrishail Patil, Sangappa K Ganiger and <b>Arunkumar Lagashetty</b>*  SILICON. (2019) In Press  (ISSN No. 2278-1862) (Impact Factor= 1.8)</p>
97	<p>Synthesis, Characterization and Biological studies of Silver doped Nanosized Metal oxides  TanujaG<sup>1</sup>, AmruthaPattar, Sangappa K Ganiger<sup>2</sup> and <b>Arunkumar Lagashetty</b><sup>3*</sup>  International Nano Letters. (2019)( Communicated)</p>

98	<p>Green Synthesis, Characterisation and Studies of Silver Nanoparticles prepared by Ficus Carica, Bauhinia Recemosa and Butea Monosperma plant Extracts  <b>Arunkumar Lagashetty</b>, * Manjunath Patil, and Sangappa K Ganiger          Applied Surface Science. (2019)          (Communicated)</p>
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### List of Conferences/Seminar/Workshop Attended/Presented

1. Understanding of Adsorption behavior of lead ions on  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> surface  
**Arunkumar Lagashetty**, B Govindraj, Vijay Hiremath, N. N. Mallikarjuna and A Venkataraman. Paper presented to the **XIX India Council of Chemists**, Conference held at Kuvempu University, Shimoga, during Nov 27-29, 2000.(PO-71).
2. Adsorption study of lead ions ions on  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> -thiourea surface  
**Arunkumar Lagashetty**, N. N. Mallikarjuna, Vijay Hiremath, and A Venkataraman. Paper presented to the **XX India Council of Chemists**, Conference held at Mysore University, Mysore, during Dec 22-24, 2000(PO-24).
3. Synthesis of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> particles using polyethylene glycol: a self propagating combustion reaction.  
**Arunkumar Lagashetty**, N. N. Mallikarjuna, Vijay Hiremath, and A Venkataraman. Paper presented to the **XX India Council of Chemists**, Conference held at Mysore University, Mysore, during Dec 22-24, 2000.(PP-11).
4. Adsorption study of Calcium ions on Rubber composites  
 Vijayanand Havanoor, **Arunkumar Lagashetty**, N. N. Mallikarjuna , Vijay Hiremath, and A Venkataraman. Paper presented to the **XX India Council of Chemists**, Conference held at Mysore University, Mysore, during Dec 22-24, 2000.(PP-12).
5. National seminar on **Harnessing Solar Energy** held at Sharanabasavweswar College of Science, Gulbarga, during March 11-13, 2001.
6. A Short term course in **New trends in Materials Chemistry** held in Department of Chemistry, Gulbarga University, Gulbarga, during Jan 16-18, 2002.
7. Synthesis of some Ceramic Materials employing Microwave and Combustion Methods.  
**Arunkumar Lagashetty**, Vijayanand Havanoor and A Venkataraman  
 Synthesis of some Ceramic Materials employing Microwave and Combustion Methods.  
 Inorganic materials, Narosa Publishing House, New Delhi, 2004.

8. Use of some Solid adsorbents in Environmental Studies  
Vijayanand Havanoor, B Govindraj, **Arunkumar Lagashetty** and A Venkataraman. A paper presented to a workshop on **Environmental Science** held at Department of Chemistry, Gulbarga University, Gulbarga in Feb-2003.
9. Synthesis of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> by thermal decomposition of malonate precursor  
**Arunkumar Lagashetty**, Vijayanand Havanoor and A Venkataraman  
A paper presented in **XXIV<sup>th</sup> Indian Council of Chemists**, Conference held at I I T Roorke, during Oct 17-19, 2003 (PP47).
10. The  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> Dispersed Polyethylene Glycol Nanocomposites: Structure, Morphology and Thermal studies.  
**Arunkumar Lagashetty**, Vijayanand Havanoor, S Basavaraj and A Venkataraman. A paper presented in **Inter. Sem. Adv. Poly. Tech.** CUST Kochin, Jan 16-17, 2004.
11. Reforms in the **Conduct of Examination Process**. AICTE Sponsored two-day seminar, VTU Belgaum, Dec4-5, 2004.
12. One day seminar on **Principles and Practices of Industry-Institute Interaction**, P D A College of Engineering, Gulbarga, 11Sep, 2004.
13. One- day seminar on **Prospects in Ceramic Technology**, P D A College of Engineering Gulbarga, 7Oct 2004.
14. Training Programme in **Analytical & Cryogenic Instrumentation and Workshop and Glass blowing technique** held at USIC, Gulbarga University, Gulbaraga during Aug 1998 & Dec 98-Jan 99.
15. Short term course on **Nanoscience & Engineering** at M S Ramayya School of Advanced studies, Bangalore, 28<sup>th</sup> Sep-08Oct 2005.
16. One day seminar on **Intellectual Properties Rights & Patents**, PDA college of Egg, Gulbarga, 23Dec 2005.
17. One day work shop on **Progress in Renewable Energy Sources**, PDA College of Engg. Gulbarga, 12 Dec 2006.
18. New combustion route for synthesis of nanosized CeO<sub>2</sub>  
**Arunkumar Lagashetty**, Omprakash S and Mahesh Beedre  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
19. Nickel Oxide dispersed rubber Composite.  
**Arunkumar Lagashetty** and A Venkataraman

- Paper presented to two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
20. Synthesis and Characterisation of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> nanoparticles  
**Arunkumar Lagashetty** and P R Hiremath  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
  21. Applications of Carbon Nanotubes  
Basavaraj Mathpati, Lalitha Y S, Ravi B Patil and **Arunkumar Lagashetty**  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
  22. Nanotechnology in electronics Applications  
Subhangi D C and **Arunkumar Lagashetty**  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
  23. Conductivity studies of Polyaniline-Praseodymium Oxide composites  
Sanghashetty Kalyani, Syed Khassem, Narashima Parvatika, **Arunkumar Lagashetty** and M V N Ambikaprasad  
Paper presented in two days seminar on **Advances in Materials Science**(AMS-06), held at Department of Materials Science, Gulbarga University, Gulbarga, 9-10 Jan 2006.
  24.  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> filled Polycarbonate nanocomposite film: Structure, Morphology, bonding & thermal studies  
**Arunkumar Lagashetty** and A Venkataraman  
Paper presented to **National Conference in Chemistry (NCC)** held at Department of Chemistry, Central College, Bangalore, 27-29, 2006.
  25. Work shop on **Revised Syllabus in Engineering Chemistry**, held at B V Bhoomreddy College of Engg & Tech, Hubli, 9 Sep-2006.
  26. 16 AGM of the **Materials Research of India (MRSI)** held at NCL pune, 10-12 2005.
  27. Two days Seminar on **Radiation Technique in Agriculture & food preservation** held at Sharanabasaveswar College of Science, Gulbarga, 12-13Nov 2006.
  28. Microwave Synthesis of LiMn<sub>2</sub>O<sub>4</sub> as Battery Material  
**Arunkumar Lagashetty**, Ravi B Patil, Savitha N G and Kavitha Biradar

- Paper presented to two days seminar on **Advances in Materials Science**(AMS-07), held at Department of Materials Science, Gulbarga University, Gulbarga, 27-28 Jan 2007.(CP2)
29. Synthesis and Characterisation of substituted Polyaniline as Gas sensor Materials  
Vijayanand H, Basavaraj S, Balaji D S Mahesh D B, Shivakumar V, Swaruparani, **Arunkumar Lagashetty** and A Venkataraman  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-07), held at Department of Materials Science, Gulbarga University, Gulbarga, 27-28 Jan 2007.(PO18)
  30. Synthesis and Characterization of and Nickel doped using microwave assisted Route: Sensitivity towards Methanol, Ethanol and Liquid Petroleum Gas  
Vijayanand H,A Saleem, V A Hiremath, B Govindraj, N N Mallikarjun, **Arunkumar Lagashetty**, S Basavaraj, S D Balaji, Swaruparani B Mahesh, Shivakumar, Jyothilaxmi S and A Venkataraman  
Paper presented to two days seminar on **Advances in Materials Science**(AMS-07), held at Department of Materials Science, Gulbarga University, Gulbarga, 27-28 Jan 2007. (NTP8).
  31. Two days seminar on **Recent Trends in life Sciences** held at Sharanabasaveswar College of Science, Gulbarga, 25-26Feb2007.
  32. Two day workshop on **Applied Chemistry and Nanotechnology** held at Sri Siddhartha Institute of Technology, Tumkur, 14-15Feb 2007.
  33. Combustion Synthesis of Barium Titanate  
**Arunkumar Lagashetty**, Basavaraj Srigiri  
Paper presented to international Symposium on **Advanced Materials and Processing**. 2007 BEC Bagalkot.
  34. Combustion Synthesis of Magnesium ferrite  
A. M Bhavikatti, **Arunkumar Lagashetty**, Subhash Kulkarni  
Paper presented to international Symposium on **Advanced Materials and Processing**. 2007 BEC Bagalkot.
  35. Biosynthesis of Silver nanoparticles by strains of cladosporium cladosporioides.  
Balaji S D, Basavaraj S, Mahesh D Bedree **Arunkumar Lagashetty** and Venkataraman A  
National Seminar on **Novel Polymers, Nanoscience and green chemistry**” held at Kakatiya University Warangal, 22-23 Feb, 2008.
  36. Two days National Conference on **Recent Trends in Applied Sciences**, held at V.G Women’s College of Science, on 4-5<sup>th</sup> 2009.



37. Lead adsorption study on rubber composite  
**Arunkumar Lagashetty**, Mahesh Bedre and A Venkatarama  
A paper presented to Two days seminar on **Emerging Trends in Materials Science**, held at Vijayanagar college, Hospet, on 5-6<sup>th</sup> 2009.
38. Synthesis and Characterization of BaTiO<sub>3</sub> by thermal decomposition of metal oxalate precursors  
**Arunkumar Lagashetty**, Mahesh Bedre, Vijayanand Havanoor and A Venkatarama  
A paper presented to two days seminar on **Recent Trends in Materials Science and Green Chemistry**, held at S.S Maragol college, Shahabad (Gulbarga), on 23-24<sup>th</sup> 2009.
- 39 Crystallographic Study of Microwave prepared Nanosized Nickel Oxide  
**Arunkumar Lagashetty**, B Govindraj, Mahesh Bedree and A Venkataraman  
International conference on **Communication, Computation, Control and Nanotechnology** (ICN-2010), Rural Engg. College, Bhalki, pp 911-913.
- 40 Metal Oxides Dispersed Natural Rubber Nanocomposite: Structure, Morphology and Thermal Studies  
**Arunkumar Lagashetty**, Basavaraj Shrigiri and A Venkataraman  
Proceedings of International conference on **Communication, Computation, Control and Nanotechnology** (ICN-2010), Rural Engg. College, Bhalki, pp 904-907.
41. Microwave preparation of nanosized gamma iron oxide  
Anilkumar Kodge **Arunkumar Lagashetty**  
Proceedings of International conference on **Latest trends in Nanoscience and Nanotechnology** (IC-2011), KBN Engg. College, Gulbarga, pp 904-907.
42. Synthesis, Characterization and Studies of Polychloroaniline  
**Arunkumar Lagashetty**, Mahesh Bedree, Anilkumar Kodge, Sanghshetty Kalyani & A.Venkataraman  
Proceedings of International Conference on **Latest trends in Nanoscience and Nanotechnology** (IC-2011), KBN Engg. College, Gulbarga, pp 904-907.
43. Work shop on **High Impact Teaching Skills**, attested by Dale Carnegie & Associates, Inc Trainer and Wipro on 20<sup>th</sup> -21<sup>st</sup> June 2011.
44. One day National Symposium on **Advances in Materials Science** (AMS-2011) on high energy materials, held at Department of Science, Gulbarga University, Gulbarga on 26<sup>th</sup> April 2011.
45. Workshop on **High Impact Teaching Skills**, held at Appa Institute of Engineering and Technology, Gulbarga, on 20-21 June 2011, Attested by Dale Carnegie & Associates, Inc. Trainer and Wipro.

46. Applications of Nanotechnology: a view  
Arunkumar Lagashetty  
**7<sup>th</sup> Kannada Vijanana Sammelana**, Gulbarga University, Gulbarga on 15-17<sup>th</sup>  
Sep 2011.M.JNA No. 01.
47. Workshop of **Mission 10X**, held at Appa Institute of Engineering and  
Technology, Gulbarga, on 20-24 June 2011 Sponsered by Wipro.
48. Two days Seminar on **Advanced Functional Materials**, held at Department of  
Physics, Gulbarga University, Gulbarga, on 19-20 March 2012.
49. National work shop on **Nanoscience and Nanotechnology** at Kuvempu  
University, Shimogha on 12-13 Oct 2012.
50. Three Days Short-Term Course on “**New Trends in Materials Chemistry**” at  
Gulbarga University, Gulbarga (Sponsored by JNCASR, Bangalore) on 16<sup>th</sup>-18<sup>th</sup>  
Feb-2002.
51. International work Shop on **Green Nanotechnology**, held at Visveswaraya  
Technological University, Belgaum, on 26-27 Nov 2012.
52. One day work shop on **Advanced Materials; Industrial Applications** held at P.  
D. A. Engineering College, Gulbarga on 7<sup>th</sup> December 2012.
53. VTU-International CANEUS Symposium on **Aerospace and Energy  
Sectro(VICAS-2013)** held at Visveswaraya Technological University, Belgaum,  
on 19-20 April 2013.
54. Two days regional conference on **Science & Technology for Development**, held  
at Central University of Karnataka on 30-31<sup>st</sup> January 2014
55. One day National seminar on **Physics & Chemistry of Advanced Materials**,  
held at Channabasaveshwar Arts, Science & Commerce College, Bhalki on 1<sup>st</sup>  
February 2014.
56. Two days National seminar on **Quality Consciousness & Culture in Higher  
Education**, held at Smt. V.G.Degree college for Women, Gulbarga on 21<sup>st</sup>-22<sup>nd</sup>  
February 2014.
57. Four days VTU-VGST sponsored Faculty Development program on **Role of  
Teachers: Challenges and Opportunities in Technology** from 07-05-2014 to  
10-05-2014 at Department of P G Studies, VTU Regional Office, Gulbarga
58. Two days National level work shop on **Research Methodology** from 23<sup>rd</sup> to 24<sup>th</sup>  
August 2014 at Appa Institute of Engineering & Technology, Gulbarga

59. Work Shop on **Basic Science Syllabus for B. E Programme** on 19<sup>th</sup> August 2014 at University B D T College of Engineering Davangere.
60. One week faculty development programme on “**Effective Teaching and Learning in Higher Learning Institution**” organized by Appa Institute of Engineering & Technology, Gulbarga from 8<sup>th</sup> Jan- 13<sup>th</sup> Jan 2015.
61. Two days Seminar on “International year of crystallography 2014” organized by Department of Physics, Gulbarga University, Kalaburagi from.
62. Two days seminar on **Trends in Nanotechnology** organized by Department of Mechanical Engineering, P D A Engineering College, Kalaburagi on 9-10<sup>th</sup> Oct 2015.
63. Two days National Level Workshop on “**Involvement of Youth for Sustainable Growth in Science & Technology**” organized by P G Studies, Sharanabasaveshwar College of Science, Kalaburagi on 29-30<sup>th</sup> October 2015.
64. Two days National conference on **Nanoscience and Nanotechnology** (Know Nano 2016) for college teachers, organized by Department of Physics, Central University of Karnataka, Kalaburagi on 19-21 April 2016.
65. Three days workshop on **Science and Technology for Inclusive Development**, organized by Gulbarga University, Kalaburagi and Karnataka Science and Technology Academy, DST, Karnataka, on 06-07 March 2018.
66. Karnataka Science Academy **sponsored University level Science competition** in Chemistry on 22-November 2018.