

## Curriculum Vitae



### **DR. ARUNKUMAR LAGASHETTY**

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

Designation: Associate Professor  
Work Place: Department of Studies 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>	<u>Residence Address</u>
<b>Dr. Arunkumar Lagashetty</b> Associate Professor Department of studies 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	<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)

### **Academic Qualification**

<b>B.Sc-(1998):</b> Sharanabasaweshwar College of Science, Kalaburagi (Gulbarga University) Karnataka, India
<b>M.Sc.(Physical Chemistry)- 2000:</b> Gulbarga University Kalaburagi, Karnataka, India
<b>M.Phil.(Physical Chemistry) -(2001):</b> Gulbarga University, Kalaburagi, Karnataka, India
<b>Ph.D.(Physical Chemistry)- (2004):</b> Gulbarga University, Kalaburagi, Karnataka, 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) **Award For Research Publication** conferred by Vision Group of Science and Technology (VGST) for the academic year 2020-21
- 2) Name selected for Biographical sketch to the book, **WHO'S WHO IN THE WORLD-2007.**
- 3) 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.
- 4) **Young Scientist Award** from Karnataka Science Congress in 17 September 2011.
- 5) **Regional Teacher Award** sponsored by Praja Suddi news paper on 30-09-2011.
- 6) **Vidya Shree Award** sponsored by Renukacharya Ashrama, Dongargaon dist Kalaburagi on 01-11-2011.
- 7) Seed money **Young Scientist Award** from VGST, Government of Karnataka, Bangalore
- 8) **Award for Research Publication** from VGST, Government of Karnataka, Bangalore in 2021
- 9)

### **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 Chapter (Subject Books)**

- 1) Title of the Book: **BIODIVERSITY CHALLENGES**  
**Chapter Title: Impact of Human Activity on Environment**  
Published by Daya Publishing House, New Delhi- 2021.  
(ISBN:978-93-5461-269-5(HB))
- 2) Title of the Book:  
**Chapter Title: Green Materials for Clean Environment**  
Published by Cambridge Scholars Publishing, UK-2021

## **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
- 3) Title of the Book: **Shikshna Kshetradalli Sharanabasaveshwar Vidya Vardhaka Sangha**  
Published by Sharanabasaveshwara Granta Visha Vidyalaya, Kalaburagi in the year 2015
- 4) Title of the Book: **Adyatma Sinchana**  
Published by Kalyani Prakashana, Kalaburagi in the year 2018

### **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, Samputa-1**  
Published by Sharanabasaveshwara Granta Visha Vidyalaya, Kalaburagi in the year 2015.
- 3) Title of the Book: **Bharatiya Darshanika Parampare, Samputa-2**  
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),
- 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

5	Mr. Beede Sunilkumar	Synthesis, Characterization and studies on some nanomaterials
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### **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
- 10) LIC member, VSK University, Ballari
- 11) Chairman BOE, Member BOE for PG examinations, VSK University, Ballari
- 12) Chairman BOE, Ph.D course work Examination
- 13) Chairman, Department of Chemistry, VSK University, Ballari
- 14) Coordinator, OBC cell, VSK University, Ballari
- 15) Coordinator, Admission committee, VSK University, Ballari

- 16) Chief Coordinator, Admission committee, VSK University, Ballari
- 17) Member BOS and BOE Raichur University

### **Founder and chief editor**

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

(Biannually research journal of Chemistry)

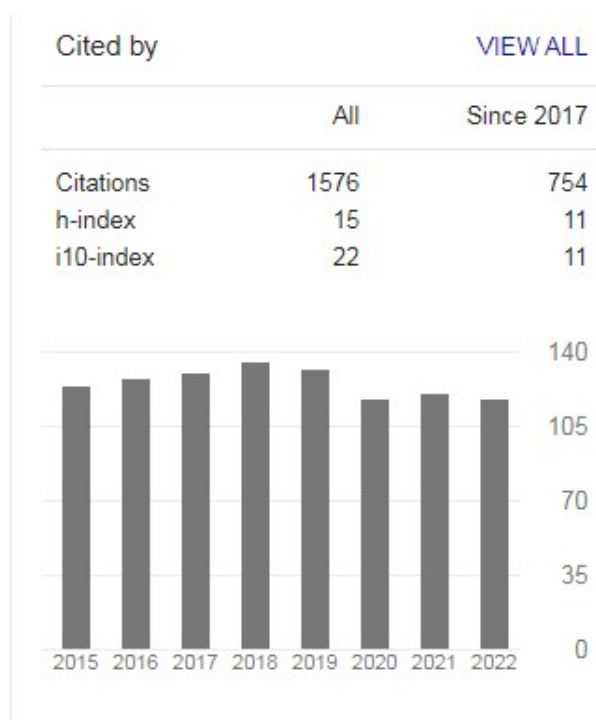
### **Editorial board member of the journals**

- 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**

S.No	Experience
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) (as on 19 DEC 2022)



## Patents Published

- 1) Title:** A nanotechnology based system for boosting the fertility using IONT  
**Authors:** Amrutha Pattar, **Arunkumar Lagashetty**, Anuradha Sawadi and Asharani Patil  
**Application Number:** 202141048434 A, Date: 29/10/21, Indian Patent
- 2) Title:** Design of Novel Nanomaterials for water purification  
**Authors:** K.C. Kasturi, T.P K.P Rani, R.Vijayalakshimi, A. Gandhi, Pavitra M, S.Sangeeta, Anu. K, Saith S, **Arunkumar Lagashetty**, and A.Doss  
**Application Number:** 202141048041, Date: 23/08/21, Indian Patent

## 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 (ICC)
- 2) Life member of Karnataka Science and Technology Academy (KSTA), Bangalore
- 3) Life member of Karnataka Rajya Vijanana Parishat (KRVP), Bangalore
- 4) Life member of Kannada Sahitya Parishat (KSP), Kalaburagi, Bangalore

## **Long Term Training Programmes Attended**

- 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 Lectures 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 Sinario**

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**
16. **At Sharanabasaveshwar College of Science, Kalaburagi, on 7<sup>th</sup> June 2020** on the eve of IQAC initiative organized by Department of Chemistry
- Topic: Green Nanotechnology and its Applications**
17. **At Bhimanna Khandre Institute of Technology, Bhalki on 26-08-2020** on the eve of Five days virtual FDP on Applications of fluid Dynamics and Advanced Materials organized by Department of Applied science and Humanities.
- Topic: Advanced Materials and its Applications**
18. **At PES Institute of Technology, Shivamogga on 23-08-2021** on the eve of One week faculty Development programme organized by Department of Mechanical Engineering.
- Topic: Processing, Characterization and Spectroscopic Techniques of Polymer matrix Nanocomposites**

### **Radio Talks Delivered**

- 1) Topic: Environment and its pollution- World Environmental Day  
Date and Place: 05 June 20 at Antarvani CRS 90.8, Kalaburagi
- 2) Topic: Means and Ways of Reducing the Fuel Consumption in Rural Areas- National Fuel Conservation Day  
Date and Place: 14 Dec 21 at Antarvani CRS 90.8, Kalaburagi

## **Research Publications**

1	Microwave-assisted route for synthesis of nanosized metal oxides. <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj, S D Balaji and A Venkataraman. Sci. & Tech. Adv. Mater., 8(2008)484-493
2	Extracellular biosynthesis of silver nanoparticles using the fungus <i>Fusarium Semitectum</i> Basavaraja S, S. D. Balaji <b>Arunkumar Lagashetty</b> , S. Rajasab and A. Venkataraman, Mater. Res. Bull. 41(2008)1162-1170
3	Green Synthesis, Characterization and Thermal study of Silver nanoparticles by <i>Achras Sapota</i> , <i>Pseidium Gauva</i> and <i>AzadirachtaIndica</i> plant Extract. <b>Arunkumar Lagashetty</b> , Manjunath Patil, and Sangappa K Ganiger Plasmonics, 8(3) (2019)
4	Microwave-Assisted Green Synthesis, Characterization and Adsorption study of Metal Oxide Nanoparticles by <i>Ficus Benghalensis</i> plant Leaf Extract <b>Arunkumar Lagashetty</b> , Sangappa K Ganiger, Preeti R K, Shashidhar Reddy and Malathesh Pari New Journal of Chemistry 14(2020)14095
5	Novel Schiff Base Cobalt (II) Phthalocyanine with Appliance of MWCNTs: Enhanced electrocatalytic activity behaviour of $\alpha$ -amino acids Mounesh, T.M Sharankumar, N.Y.Praveenkumar, K.R Venugopala Reddy, K,B Chandrakala, <b>L. Arunkumar</b> and C.C. Vidyasagar RSC Advances 11(2021)16736-16746
6	Synthesis, Characterisation and Studies of $BaFe_2O_4/PMMA$ Nanocomposite <b>Arunkumar Lagashetty</b> *, Vibhav Mittin, Manjunath K Patil, <b>and</b> Sangappa K Ganiger, Polymer Bulletin, 78(10) (2020) 5905-5921
7	Preparation, Characterization and Thermal Studies of $\gamma$ - $Fe_2O_3$ & CuO dispersed Polycarbonate Nanocomposites <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, Basavaraj S and A.Venkataraman, J. Therm. Anal. & Cal. 99(2010) 577-581.
8	Synthesis, Characterization 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, Shashidhar Reddy Heliyon.5 (2019)e02794
9	Synthesis, Characterization and Antibacterial study of Ag doped magnesium ferrite nanocomposite. <b>Arunkumar Lagashetty</b> , Amrutha Pattar and Sangappa K Ganiger Heliyon.5 (2019) e01760

10	Synthesis, characterization and studies of Polyimide- $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanocomposites H ,V Vijayanad, <b>L Arunkumar</b> , PM Gurubasavaraj, P M Veerasha Sharma, S Basavaraj, A Saleem, A Venkataraman, Anil Ghanwat and N N Maldar J Appl. Poly. Sci.103 (2)(2007)834-840).
11	Synthesis of MoO <sub>3</sub> and its polyvinyl alcohol nanostructured film. <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj and A Venkataraman, Bull. Mat. Sci. 28(5)(2005)477
12	Polymernanocomposites, <b>Arunkumar Lagashetty</b> and A Venkataraman Resonance, 10(7)(2005)49.
13	Adsorption Study of lead ions on nanosized SnO <sub>2</sub> synthesized by Self-Propagating Combustion reaction <b>Arunkumar Lagashetty</b> and A Venkataraman, Bull. Mat. Sci. 27(6)(2004)419.
14	Combustion Derived Ultrafine $\gamma$ -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. & Cal. 71(2003) 915-925.
15	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. & Cal. 74(2003) 817.
16	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.
17	Lead Adsorption Study on Combustion Derived $\gamma$ -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
18	Use of Liquid-Liquid Interfacial for Synthesis of Amorphous Maghemite Nanoneedles. S Basavaraj, S.D Balaji, Mahesh D.B, <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, and A Venkataraman, Surface Review and Letters, 19(2)(2012)50019-(1-8)
19	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
20	Synthesis and Characterization of Ag doped cobalt ferrite nanocomposite

	Amrutha Pattar, Sangappa K Ganiger and <b>Arunkumar Lagashetty</b> <sup>*</sup> I.J. Nano. Dimen, 10(3)(2019)291-296
21	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. 4(2)(2016) 285-289
22	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.
23	Combustion Synthesis of LiMn <sub>2</sub> O <sub>4</sub> by thermal Decomposition of Oxalate precursors <b>Arunkumar Lagashetty</b> , Vijayanand Havanoor, S Basavaraj and A Venkataraman Ind. J Chem. Tech. 15(2008)41-42.
24	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.
25	Green Synthesis, Characterization and Antibacterial Study of Ag-Au Bimetallic Nanocomposite using Tea Powder Extract Arunkumar Lagashetty 1,Sangappa K Ganiger , Preeti R. K., Shashidhar Reddy Biointerface Research in Applied Chemistry, 11(1)(2020)8087-8095
26	Microwave Derived Nano Sized Zirconium Vanadate as an Adsorbent for Heavy Metal Ions <b>Arunkumar Lagashetty</b> , Sangappa K Ganiger, Shashidhar Reddy Letters in Applied NanoBioscience, 9(3)(2020)1420-1426
27	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.
28	Metal oxides dispersed Polyvinyl alcohol nanocomposites <b>Lagashetty A</b> , Basavaraj S, Bedre M and Venkataraman A, J. Met. Mater. Sci., 51(4) (2009)297-306.
29	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.
30	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.

31	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. & Mater. Sci., 52(2) (2010)149-154.
32	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)
33	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> )
34	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
35	Lithium Nickelate Dispersed Poly(methyl methacrylate) Nanocomposite Film Anilkumar Kodge and <b>Arunkumar Lagashetty</b> Asian J. Research Chem.; 10(2)(2017)142-144.
36	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)
37	Microwave Preparation, Characterizations and Thermal Study of Nanosized $\text{LiMn}_2\text{O}_4$ Shrishail Hogade, <b>Arunkumar Lagashetty</b> and Basavaraj Sannakki' Journal of Applicable Chem. 4(3)(2015)00-00
38	Microwave synthesis $\text{CoFe}_2\text{O}_4$ : 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
39	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)
40	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.
41	Adsorption study of Pb <sup>+2</sup> ions on Nanoceramics <b>Arunkumar Lagashetty</b> , Mahesh Bedree and A. Venkataraman, <b>J. Matl. &amp; Mater. Sci. 52(4) (2010)357-362</b>
42	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.
43	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.
44	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.
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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  
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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  
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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

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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, Gulbarga 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 Characterisatio 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  
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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  
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- 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  
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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.
67. Work shop on Writing Literature Review Article: Week End jointly organized by CAPE Institute of Technology, Levekipuram and Manuscriptipedia on 16 May 2020 through online pedagogy.
68. Online Work shop on Free MOOC to Complement Engineering Education, Organized by IEEE, Bangalore section on 13<sup>th</sup> May 2020
69. Six days International workshop on SMART MATERIALS SENSOR AND ENERGY DEVICES(SMSED-2020) organized by SSN College of Engineering, Kalavakkam, Chennai during 25-30 May 2020.  
(Reg.No. SSNCE\_SMSED\_2020\_0626.
70. One day workshop on “Online test and quiz” organized by Department of Education, Vijayanagara Sri Krishnadevaraya University, Ballari, on 20/05/2020.  
(Reg. No. D1DDVO-CE000016)
71. e-Quiz on Research ethics and Plagiarism organized by Department of Education, Vijayanagara Sri Krishnadevaraya University, Ballari, on 12/05/2020.  
(Reg. No. ABXXES-CE000161).
72. Four weeks certificate course on Bionanotechnology (CBNT) organized by Association of Indian Biologist (AIB), Chennai during 15-05-2020 to 11-06-2020  
(Certificate ID: VL7HZ0-CE000134).
73. Seven Day Capacity Building and skills enhancement programme for the Teachers and students organized by Sharanabasaveshwar College of Science and Sharnbasva University, Kalaburagi from 14<sup>th</sup> June 2020 to 20th June 2020.
74. One day National webinar on Civil Defense & Disaster Management, Organised by Sharanabasaveshwar College of Science, Kalaburagi on 25-06-2020.

75. Synthesis, Characterisation and studies of Polyaniline-Magnesium Aluminate Nanocomposite by Interfacial polymerization method  
**Arunkumar Lagshetty**, Sangappa Ganiger and Shashidhar Reddy  
A paper presented in an International Conference, Organised by department of Physics, M.S. Ramaiah Institute of Technology, Bangalore on 3-4 September 2020.
76. Three Days Virtual International Workshop on “Research Methodology”  
Organized by Department of Physical Sciences in Association with IQAC, APS College of Arts and Science, Bangalore on 17-19 June 2021.
77. International e-Conference on Recent Advances in Chemical, Physical and Biological Sciences (RACPBS-2021), Organized by Department of Chemistry, Nabira Mahavidyalaya, Katol on 29-30 June 2021.
78. 2<sup>nd</sup> international Symposium on Modeling of Crystal Growth Processes and Devices, organized by SSN Research Centre, SSN institutions, Kalavakkam, Chennai during 5<sup>th</sup>-8<sup>th</sup> July 2021.
79. One day online National Seminar on Anubhav Sahitya Mattu Vyaktitva Vikas organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur, C.B. Khedgi’s B Science, R.V Commerce and R.J Arts College, Akkalkot and Solapur Zilla Sharana Sahitya Parishattu, Akkalkot on 25<sup>th</sup> June 2021.
80. National Webinar on Recent Advances in Chemistry, Organized by Department of Chemistry and IQAC, Govt. G.N.A PG College, Bhatapara on 26-07-2021. (Participation id EKYRG4-CE003091)
81. One day workshop on “Implementation of Natural Education Policy-2020: Prospective Transformation of Stakeholders” jointly organized by Vijayanagara Sri Krishnadevaraya University, Ballari and Bharatiya Shikshana Mandala, North region Ballari on 28 October 2021
82. One day RSC-IISER Desktop Seminar Series is jointly organized by *Chem. Comm.* and IISER Bhopal, on 6 August 2021.
83. Virtual International conference on Multifunctional Advanced Materials (VICMAM-2021) organized by Department of Chemistry, JVM’s Degree College in Association of Chemistry Teachers (ACT) on 9<sup>th</sup> and 10<sup>th</sup> August, 2021.
84. One week e-workshop on Advances and applications of Nanobiotechnology organized by Ramaiah Institute of Technology, Bangalore from 04 to 09 October 2021.
85. Synthesis, Characterisation and AC conductivity study of PANI/ $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Nanocomposites

- Rahul Jabnoor, Manjunatha B, M.V.N. AmbikaPrasad, Arunkumar Lagashetty, Vijaykumar Basavarajappa, Sangshetty Kalyane, Proceedings of International Conference, by, Mangalore University, Konaje
86. One day RSC-IIT Desktop Seminar Series is jointly organized by Chemistry world webinar and *Microbiology society*, on 25 October 2021.
  87. One day RSC-IISER Desktop Seminar is jointly organized by *JMCA*, on 27 October 2021.
  88. One day RSC-IISER Desktop Seminar with OBC, organized by RSC Publishing Webinars on 26 November 2021.
  89. Two Days National Conclave on the State of the Nation held at VTU Belagavi on 4-5 December 2021.
  90. One day RSC webinar on Leaders in the field symposium organized by *RSC Publishing webinars*, on 13 December 2021.
  91. One day workshop on “Overview of Intellectual Property Rights and Patent Filing Procedure” organized by IQAC, Vijayanagara Sri Krishnadevaraya University, Ballari. On 11<sup>th</sup> February 2022.
  92. Two days National workshop on Best Practices of district mineral foundation (DMF) in India and learning for district mineral foundation trust(DMFT)-Ballari, Organised by Vijayanagara Sri Krishnadevaraya University, Ballari in association with District mineral foundation trust (DMFT on 25-26<sup>th</sup> March 2022.
  93. One day RSC-IISER Desktop Seminar with Dalton Transactions, organized by RSC Publishing Webinars on 11 May 2022.
  94. One week Faculty Development Programme (FDP) on “**Research Methodology**” from 2<sup>nd</sup> May to 7<sup>th</sup> May 2022, organized by Kamala Neharu Mahavidyala, Nagpur. (Certificate No: 5BEK1K-CE001550.)
  95. Biological evaluation of combustion derived nanosized bimetallic oxides  
Arunkumar Lagashetty, K.Devendra, M.Sandyarani, J.Rajeshwari, Galeppa, K.H.Lakshmidevi and B.B. Hajra., 2<sup>nd</sup> International conference on sustainable materials and Technologies for Bio and energy Applications (SMTBEA-2022) (PP-22)
  96. Combustion synthesis, Characterisation and thermal study of nanosized Nickel ferrite  
Arunkumar Lagashetty, Viswas K.R, S.M.Hussaini, Bheemappa, Siddalingappa S and Hulgemma., 2<sup>nd</sup> International conference on sustainable materials and Technologies for Bio and energy Applications (SMTBEA-2022) (PP-23)
  97. Green synthesis and biological evaluation of nanosized zinc ferrite

- Arunkumar Lagashetty, Chaitranjali, Sangeetha J, Kavya G, Nandish K, Nasareen H and Pooja A., 2<sup>nd</sup> International conference on sustainable materials and Technologies for Bio and energy Applications (SMTBEA-2022) (PP-24)
98. Synthesis, characterization and thermal study of zinc and magnesium aluminates-Polyaniline nanocomposites  
Arunkumar Lagashetty, Ameena Muneer, Anjalidevi Pujari, Darshan K.S, Reshma K, Shreeharsha., 2<sup>nd</sup> International conference on sustainable materials and Technologies for Bio and energy Applications (SMTBEA-2022) (PP-25)
99. IP Awareness/Training program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION, organized by Intellectual Property Office, India on 12<sup>th</sup> August 2022.
100. One day RSC-IISER Desktop Seminar on Environmental Science is jointly organized by *RSC publishing webinar* on 12 October 2022
101. A national level conference, SUJALAM-An Indian Narrative of Water organized by Deendayal Research Institute New Delhi, Vijayanagara Sri Krishnadevaraya University, Ballari and Kannada University, Hampi on 29-31 October 22.

**Dr. Arunkumar Lagashetty**