

FACULTY PROFILE



1. Name (Block letters) : DR. JAGADEESHA ANGADI V
2. Date of Birth : 01-07-1986
3. Mother tongue : KANNADA
4. Blood group : A⁺
5. Present designation : Assistant Professor
6. Category : GM
7. Residential Address : F1,First Floor,G.K Heights,
Shirur Park, Hubballi
8. Permanent Address : F1, First Floor, G.K Heights, Shirur Park, Hubballi
8. Phone Numbers
Residence Phone no
Mobile No: : 9632163604
Email : Academic Qualifications: (from UG course)

Sl. No.	Qualification	University	Year of Passing	Class	Awards
1	B.Sc.	Gulbarga University	2009	First	
2	M.Sc.	Davangere University	2011	First	(4 th Rank)
3	Ph.D.	Bangalore University	2017	First	

9. Service particulars :

Sl. No.	Position	Year		Name of the Institution
		From	To	
1	Lecturer	July 2011	Sep 2012	SMIORE Composite PU college, Hosapete
2	P.G Coordinator	May 2015	June 2017	K.L.E.S.Nijalingappa College, Bengaluru
3	Assistant Professor	July 2017	June 2019	Presidency University, Bengaluru
4	Assistant Professor	July 2019	till	P.C.Jabin Science College, Hubballi

10. Research

a) Research area :

Nano sized Multiferroics: Transition metal doped CoCr_2O_4 synthesis and studies of structural and magneto-electric and spin-lattice coupling studies using temperature dependent magnetic (ZFC and FC) studies for battery applications.

Pure and doped magnetic nanoparticles:– Ferrite nanoparticles synthesis using solution combustion technique and characterization using XRD, TEM, FTIR, SEM, XPS, VSM and Mössbauer Spectroscopic studies for low and high frequency applications such as transformer core, Multilayer chip inductor and switching mode power supply etc.

Gamma Irradiation effects of magnetic nanoparticles:- The detailed investigation on the effect of high dose (~50 kGy) of gamma irradiation (dose rate: 9.5 kGy/h) on the structural, microstructural, Magnetic and Mossbauer spectroscopic studies of nano-ferrites synthesized by solution combustion method.

Magnetic nanoparticle doped Polymers:- PVA-PVP Polymers and its applications.

Research Collaboration

- Department of Chemistry, Minas Gerais State University, Av. Paraná, 3001, Zip-Code: 35501-170, Divinópolis, MG, Brazil.
- LSQM – Laboratory of Chemical Synthesis of Materials – Department of Materials Engineering, Federal University of Rio Grande do Norte – UFRN, P.O. Box 1524, Natal RN, Brazil.
- Department of Chemistry, State University of Ponta Grossa, Av. General Carlos Cavalcanti, 4748, Zip code: 84030-900, Ponta Grossa, PR, Brazil
- Faculty of Material Science and Metallurgy, South Ural State University, Chelyabinsk, Russia.
- Scientific Research Institute of Physics at Southern Federal University, 194 Stachki, Rostov-on-Don, 344090, Russia.
- Rostov State Transport University, Rostov-on-Don, 344008, Russian Federation
- Chełkowski Institute of Physics, University of Silesia in Katowice, ul. 75 Pułku Piechoty 1,41-500 Chorzów, Poland.
- Departamento de Ingeniería de Materiales, Facultad de Ingeniería, Universidad de Concepción, Concepción 4070409, Chile.

- College of Materials Science and Chemistry, China Jiliang University, Hangzhou, 310018, China.
- UGC–DAE CSR, Kolkatta Centre, Indore, India.
- UGC-DAE CSR, Mumbai Centre, BARC Campus, Trombay, Mumbai-400085, India.
- Materials Research Centre, Indian Institute of Science, Bangalore, India.
- Inter-University Accelerator Centre, New-Delhi, India.
- K.L.E. Technological University, Hubballi, Karnataka-580031, India.
- Department of Physics, Bangalore University, Bengaluru, India.

b) **Projects applied/** :

1. Electric field Induced tuning of Magnetism in Hexagonal Magnetolectric Multiferroic and their radiation stability, awarded by **UGC DAE CSR Kolkata Center, Kolkata(Completed) - 1.35 lakh**

a. **Projects completed/Submitted** :

1. Synthesis and study of transition metal doped Cobalt chromates, Funded by Presidency University, Bengaluru- **7 lakh**

b. **Publications** : total -116

Books and Chapters Publication:

1. **Fundamentals and Industrial Applications of Magnetic Nanoparticles - Elsevier Publication**
Woodhead Publishing Series in Electronic and Optical Materials, 2022, Pages 655-663
(<https://doi.org/10.1016/B978-0-12-822819-7.00010-7>)
2. **Synthesis methods of Nanofillers (Accepted) Elsevier Publication**
3. **Synthesis methods of Nanoclays(Accepted) Springer Publication**
4. **FERRITE- Intech Open** publishers, UK (2021) ISBN 978-1-83962-887-0,
DOI: 10.5772/intechopen.99264. (Book chapter)
5. **Bismuth - Fundamentals and Photonic Applications, Intech Open** publishers, UK
(2020), ISBN: 978-1-83968-243-8. DOI: 10.5772/intechopen.92430. (Book Chapter).

6. *Mineralogy - Significance and Applications, Intech Open*, publishers, UK (2020), ISBN: 978-1-78985-826-6. DOI: 10.5772/intechopen.90880 (Book Chapter).
7. *Ferroelectrics-* Antiferromagnetic Weak Ferromagnetic Interface in Pb(Fe₂/3W₁/3)O₃ Ceramic DOI: <http://dx.doi.org/10.5772/intechopen.93716> *Intech open publication.*
8. Properties of Matter - Practical manual B.Sc. I Semester Physics Experiments as Per NEP-2020 ISBN:978-620-6-14222-5, LAP Lambert Academic Publishing
9. Fundamentals of Magnetic Materials, Superconductivity and Nanoscience For B.Sc. (honours), B Tech in Physics students of INDIAN Universities ISBN: 978-620-6-14335-2, , LAP Lambert Academic.
10. Rotational Motion and Rigid Body For B.Sc. Students of INDIAN Universities ISBN: 978-620-6-14585-1, LAP Lambert Academic Publishing.

Journal Publication

2023

- | |
|--|
| <p>1. Shifa Wang, Hao Liu, Maoyuan Li, Mengjun Han, Huajing Gao, Hua Yang, Leiming Fang, Huijun Zhang, Angadi V Jagadeesha, SO Manjunatha, Chao Cai, Dengfeng Li, Various carbon-based MgAl₂O₄ adsorbents and their removal efficiency of CR dye and antibiotics in aqueous media: High selective adsorption capacity, performance prediction and mechanism insight, <i>Ceramics International</i>, https://doi.org/10.1016/j.ceramint.2023.05.210</p> |
| <p>2. Zhengyou Li, Kamaludin Abdulvakhidov, Sergey Soldatov, Alexander Soldatov, Salim Otajonov, Maxamatjon Axmedov, Alexander Nazarenko, Pavel Plyaka, Bashir Abdulvakhidov, V Jagadeesha Angadi, Marina Sirota, Abeer Alshoekh, Ivan Dmitrenko, <i>Nanostructured YbMn_{1-x}Fe_xO₃ and its physical properties</i>, <i>J Mater Sci: Mater Electron</i> 34, 1208 (2023). https://doi.org/10.1007/s10854-023-10657-7</p> |
| <p>3. V Jagadeesha Angadi, AT Kozakov, AV Nikolsky, SP Kubrin, Mohd Ubaidullah, Bidhan Pandit, Chander Prakash, <i>Investigation of the electronic structure of YFeO₃ and Y(HoFe)O₃ using X-ray photoelectron and Mössbauer spectroscopy</i>, <i>J Mater Sci: Mater Electron</i> 34, 984 (2023). https://doi.org/10.1007/s10854-023-10383-0</p> |

4. Veena, V.S., Amith Yadav, H.J., Pasha, A. **Jagadeesha Angadi V.** Role of post-transition metal (Bi_2O_3) on the structural, microstructural and humidity sensing behavior of Bi@Zinc ferrites composite for room temperature operatable humidity sensors. *J Mater Sci: Mater Electron* **34**, 992 (2023). <https://doi.org/10.1007/s10854-023-10392-z>
5. Yan Han, Shifa Wang, Maoyuan Li, Huajing Gao, Mengjun Han, Hua Yang, Leiming Fang, **Jagadeesha Angadi V.**, AF Abd El-Rehim, Atif Mossad Ali, Dengfeng Li, Strontium-induced phase, energy band and microstructure regulation in $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ photocatalysts for boosting visible-light photocatalytic activity, *Catal. Sci. Technol.*, 2023,**13**, 2841-2854
<https://doi.org/10.1039/D3CY00278K>.
6. **Jagadeesha Angadi V.**, B. Chethan, Nagaraj Basavegowda, Anuj Kumar, Abdullah M. Al Enizi, Mohd Ubaidullah, Satbir S. Sehgal, Manish Gupta, S.O. Manjuanthah, Vinayak Pattari, Synthesis and structural, microstructural and humidity sensing behavior of $(x)\text{rGo}+(1-x)\text{CoCr}_2\text{O}_4$ composite for humidity sensor applications, *Ceramics International*, 28 March 2023 (<https://doi.org/10.1016/j.ceramint.2023.03.277>)
7. **Jagadeesha Angadi V.**, B. Chethan, Vinayak Pattar, N.B Shigihalli, Supriya A. Patil, Mohd Ubaidullah, Satbir S. Sehgal, Chander Prakash, Manjuantha S O, Manjunatha K, *Graphene-Cobalt chromate ceramics composite for humidity sensor Applications*, *Journal of Alloys and Compounds* , 2023, 169438, <https://doi.org/10.1016/j.jallcom.2023.169438>
8. **Jagadeesha Angadi V.**, Apsar Pasha, Mohd Ubaidullah, Manish Gupta, Bidhan Pandit, S.O. Manjunatha, Satbir S. Sehgal, *Rare earth(Sm^{3+}) doped CoCr_2O_4 ceramics sensor towards room temperature detection of greenhouse methane gas*, *Ceramics International*, Volume 49, Issue 10, 2023, Pages 16174-16181, <https://doi.org/10.1016/j.ceramint.2023.01.215>
9. V.S. Veena, H.J. Amith Yadav , S.P. Kubrin, Mohd Ubaidullah, Abdullah M. Al- Enizi, Bidhan Pandit, Harjot Singh Gill, Manjunatha K, **V. Jagadeesha Angadi**, *Structure, Microstructure, Magnetic and low temperature Mössbauer spectroscopy studies of Bismuth substituted zinc ferrite Composite*, *Journal of Magnetism and Magnetic Materials* Available online 22 February 2023, 170561.
<https://doi.org/10.1016/j.jmmm.2023.170561>
10. K. M. Srinivasamurthy, Apsar Pasha, I. S. Yahia, H. Y. Zahran, Samer H. Zyoud, Bayapa Reddy Narapureddy & **V Jagadeesha Angadi** *LPG gas sensing and humidity sensing studies of gamma irradiated $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Ce}_{0.01}\text{Fe}_{1.99}\text{O}_4$ nanocomposite thin film for sensor application* *Journal of Materials Science: Materials in Electronics* volume 34, Article number: 471 (2023). <http://dx.doi.org/10.1007/s10854-022-09658-9>

11. **V. Jagadeesha Angadi**, Apsar Pasha, M. Al-Dossari, N. S. Abd EL-Gawaad, Kamaludin Abdulvakhidov, Nikolay Lyanguzov & Uday Kumar Khadke High-performance LPG sensing behaviour of $\text{CoCr}_{2-x}\text{Ce}_x\text{O}_4$ ($x = 0$ to 0.02) for sensor applications **Journal of Materials Science: Materials in Electronics** volume 34, Article number: 318 (2023)
<https://doi.org/10.1007/s10854-022-09725-1>

12. **V. Jagadeesha Angadi**, Khalid Mujasam Batoo, Sajjad Hussain, S. O. Manjunatha, Shifa Wang & S. P. Kubrin, *Synthesis and study of transition metal(Co, Cu, and Ni) substituted ferrites for humidity sensor applications*, **Journal of Materials Science: Materials in Electronics**, volume 34, Article number: 301 (2023) <http://dx.doi.org/10.1007/s10854-022-09694-5>

13. Chuan Yu, Shifa Wang, Kening Zhang, Maoyuan Li, Huajing Gao, Jing Zhang, Hua Yang, Lei Hu, **Jagadeesha Angadi.V**, Dengfeng Li, **Visible-light-enhanced photocatalytic activity of $\text{BaTiO}_3/\gamma\text{-Al}_2\text{O}_3$ composite photocatalysts for photodegradation of tetracycline hydrochloride**, **Optical Materials**, Volume 135, January 2023, 113364. (Impact Factor 3.754)
<https://doi.org/10.1016/j.optmat.2022.113364>

2022

14. Apsar Pasha, A.F. Abd El-Rehim, Atif Mossad Ali, K.M.Srinivasamurthy, S.O.Manjunatha, Shifa Wang, **Jagadeesha Angadi V**, High performance EMI shielding applications of $\text{Co}_{0.5}\text{Ni}_{0.5}\text{CexSmyFe}_{2-x-y}\text{O}_4$ nanocomposite thin films, *Ceramics International*,
<https://doi.org/10.1016/j.ceramint.2022.09.189> (Impact factor 5.57)

15. **V. Jagadeesha Angadi**, Khalid Mujasam Batoo, Sajjad Hussain, H. R. Lakshmi prasanna, K. Manjunatha & S. O. Manjunatha, Role of Superparamagnetic Nanoparticles in Humidity Sensing Behavior of Holmium doped Manganese-Bismuth ferrites for Relative Humidity Sensor applications, *J Mater Sci: Mater Electron* (2022). <https://doi.org/10.1007/s10854-022-09151-3> (Impact factor 2.478)

16. Shifa Wang, Maoyuan Li, Zijuan Yin, Huajing Gao, Hao Liu, Hua Yang, Leiming Fang, V **Jagadeesha Angadi**, Lei Hu, Dengfeng Li, Skillfully grafted CO functional group to enhance the adsorption/photocatalytic mechanism of $\text{YMnO}_3/\text{MgAl}_2\text{O}_4$ heterojunction photocatalysts. *Advanced Powder Technology*, 33 (2022), 103771((Impact Factor 4.696)

17. **Jagadeesha Angadi V**, I S Yahia, HY Zahran, MC Oliveira, E Longo, SP Kubrin, SO Manjunatha, RAP Ribeiro, MH Ghozza Effect of Eu^{3+} on the structural, Magnetic and Mössbauer spectroscopy studies of copper ferrite, *Journal of Magnetism and Magnetic Materials*, 562 (2022) 169789. ((Impact Factor 3.097)

18. KM Srinivasamurthy, SP Kubrin, Vinayak Pattar, IS Yahia, HY Zahran, **Jagadeesha Angadi V** Effect of Gamma Irradiation on the Structural and Magnetic Properties of Cerium 1 mol%–Doped Cobalt–Nickel Ferrites, *J Supercond Nov Magn* (2022).
<https://doi.org/10.1007/s10948-022-06311-8> ((**Impact Factor 1.675**))
19. KS Kantharaj, GV Gowda, A El-Denglawey, N Ramprasad, AT Kozakov, AV Nikolsky, S Kubrin, A Gowda, **V Jagadeesha Angadi**, BM Raafat, M Dongol. Study of the electronic structure of LuFeO₃ and Lu (YFe) O₃ nanoparticles by X-ray photoelectron spectroscopy and Mossbauer spectra. *Journal of Materials Science: Materials in Electronics* (<https://doi.org/10.1007/s10854-022-08347-x>) ((**Impact Factor 2.478**))
20. N Ramprasad, Florin Tudorache, GV Jagadeesha Gowda, A El-Denglawey, KS Kantharaj, KV Arjuna Gowda, K Manjunatha, **V Jagadeesha Angadi**, The effect of Gd as a dopant in crystal structure and on its electrical and humidity sensing behaviour of Co²⁺ Cr³⁺ O₄ for possible application in sensors, *Journal of Materials Science: Materials in Electronics*, (<https://doi.org/10.1007/s10854-022-08293-8>) ((**Impact Factor 2.478**))
21. K. S. Kantharaj · G. V. Jagadeesha Gowda, N. Ramprasad, Kozakov A. T. Nikolsky A. V. Stass Kubrin Arjuna Gowda K. A. El-Denglawey, **Jagadeesha Angadi V**, Structural, Microstructural, Infrared, and Mössbauer Spectroscopy Study of LuFeO₃ Prepared by Solution Combustion Method, *Journal of Superconductivity and Novel Magnetism* **35**, pages2545–2553 (2022) (<https://doi.org/10.1007/s10948-022-06278-6>) (**Impact Factor 1.5**)
22. **Jagadeesha Angadi V**, K. Manjunatha, Marisa C. Oliveira, Elson Longo, Sergio R. de Lázaro, Renan A. P. Ribeiro, S.V. Bhat, Unveiling the shape-selective CoCr 2-y Sc y O 4 nanomagnetism, *Applied Surface Science* [Volume 574](#), 1 February 2022, 151555
<https://doi.org/10.1016/j.apsusc.2021.151555> **Impact Factor 6.707**
23. **Jagadeesha Angadi V**, K. M. Srinivasamurthy, A. El-Denglawey, K. Manjunatha, M. C. Oliveira, E. Longo, S. R. Lázaro, R. A. P. Ribeiro. Observation of dielectric dispersion and relaxation behavior in Ni²⁺-substituted cobalt ferrite nanoparticles, *Journal of Material Chemistry C*, **10**, 4196-4207, 2022, <https://doi.org/10.1039/D1TC05559C> (**Impact Factor 7.707**)
24. K.Manjunatha, Ping-ZhanSi, Jagadeesha Gowda G.V, A.El-Denglawey, **Jagadeesha Angadi V**, Structural, microstructural and temperature dependent magnetic properties of Mg–Ni doped CoCr₂O₄ ceramics, *Ceramics International* , [Volume 48, Issue 8](#), 15 April 2022, Pages 11654-11661 (**Impact Factor 4.5**) (<https://doi.org/10.1016/j.ceramint.2022.01.023>)

25. K Praveena; Jagadeesha Gowda G.V; V. A. El-Denglawey; [Jagadeesha Angadi V](#), Manganese ferrite - Polyaniline nanocomposites for microwave absorbers in X band, *Journal of Material Science: Materials in Electronics*, **33**, pages5678–5685 (2022) (DOI: [10.1007/s10854-022-07753-5](https://doi.org/10.1007/s10854-022-07753-5)) **(Impact Factor 2.49)**
26. Veeresh G Hiremath; I.S. Yahia; H.Y. Zahran; B Chethan; G.H Malimath; Y.T. Ravikiran; [Jagadeesha Angadi V](#), "Humidity Sensing behaviour of Rubidium doped Magnesium ferrite for sensor applications" *Journal of Material Science: Materials in Electronics*, **(Accepted)** **(Impact Factor 2.49)**
27. [G. N. Venkata Reddy](#), [C. Pandurangappa](#), [V. J. Angadi](#) & [L. P. Babu Reddy](#), Effect of Gamma Irradiation on Rare Earth Doped Nanocrystalline CaF₂, *International Journal of Self-Propagating High-Temperature Synthesis*, **volume 31**, pages37–41 (2022) (DOI: <https://doi.org/10.3103/S1061386222010125>) (Impact factor 1.08)
28. E.S. Yousef, I.S. Yahia, H.Y. Zahran, and [Jagadeesha Angadi V](#), Synthesis and Study of Structural, Microstructural, and Magnetic Properties of Europium and Scandium 1 Mol % Doped CuFe₂O₄ Prepared by Self-Propagating High-Temperature Synthesis Method, *Int. J. Self-Propag. High-Temp. Synth.*, 2022, vol. 31.
29. N Ramprasad, GV Jagadeesha Gowda, KV Arjuna Gowda, KS Kantharaj, Florin Tudorache, Kamaludin Abdulvakhidov, Nikolay Lyanguzov, IS Yahia, HY Zahran, [Jagadeesha Angadi V](#), **Synthesis and Study of highly porous nature Gadolinium doped CoCr₂O₄: Focus on the Structural, Microstructural Electric and Humidity Sensing properties**, *Int. J. Self-Propag. High-Temp. Synth.*, 2022, vol. 31.

2021

30. A.El-Denglawey, K.Manjunatha, E.Vijaya Sekhar, B.Chethan, JianZhuang, [V Jagadeesha Angadi](#), Rapid response in recovery time, humidity sensing behavior and magnetic properties of rare earth(Dy & Ho) doped Mn–Zn ceramics, *Ceramics International*, **Volume 47, Issue 20**, 15 October 2021, Pages 28614-28622, <https://doi.org/10.1016/j.ceramint.2021.07.020> **(Impact Factor 4.57)**
31. K.M.Srinivasamurthy, K.Manjunatha, A.El-Denglawey, R.Rajaramakrishna, S.P.Kubrin, Apsar Pasha, [V Jagadeesha Angadi](#), Evaluation of structural, dielectric and LPG gas sensing behavior of porous Ce³⁺- Sm³⁺ doped Cobalt nickel ferrite, *Materials Chemistry and Physics*, **Volume 275, 1 January 2022, 125222**(**Impact Factor 4.09**)
32. K M Srinivasamurthy, K Manjunatha, A El-Denglawey, SP Kubrin, DA Sarychev, M Mašláň, Vinayak Pattar, [V Jagadeesha Angadi](#), Dosimetry induced modifications in structural, magnetic and Mössbauer spectroscopy studies of ⁶⁰Co γ -irradiated Co_{0.5}Ni_{0.5}Fe₂O₄, *Radiation Physics and Chemistry*, **Volume 189, December 2021,**

109781, (Impact Factor 2.85)

33. A El-Denglawey, [V. Jagadeesha Angadi](#), K Manjunatha, B Chethan, Sandeep B Somvanshi, Role of dysprosium in enhancing the humidity sensing performance in manganese zinc ferrites for sensor applications, *Journal of Materials Science: Materials in Electronics*, volume 32, pages 23554–23565 (2021) (Impact Factor 2.478)

34. K. Manjunatha, [V. Jagadeesha Angadi](#), R.A.P. Ribeiro, M.C. Oliveira, S.R. de Lázaro, M.R.D. Bomio, Towards shape-oriented Bi-doped CoCr₂O₄ nanoparticles from theoretical and experimental perspective: Structural, Morphological, Optical, Electrical and Magnetic properties, *Journal of Material Chemistry C, J. Mater. Chem. C*, 2021,9, 6452-6469 (Impact Factor: 7.059)

35. [Jagadeesha Angadi V](#); K Manjunatha; Magnetic Properties of larger ionic radii Samarium and Gadolinium doped Manganese Zinc Ferrite Nanoparticles Prepared by Solution Combustion Method, *Journal of Magnetism and Magnetic Materials*, Volume 529, 1 July 2021, 167899. (Impact Factor: 2.99)

36. [Jagadeesha Angadi V](#); K Manjunatha; N.H. Ayachith Correlation of internal Strain, Size to Electrical and Magnetic Properties of Ce³⁺ doped Manganese ferrimagnetic nanoparticles" *Journal of Material Science: Materials in Electronics*, 32, pages 9275–9293 (2021)(Impact Factor 2.478)

37. I Shivaraja, Shidaling Matteppanavar, PSR Krishna, Sudhindra Rayaprol, PD Babu, [V Jagadeesha Angadi](#), SP Kubrin, Basavaraj Angadi, Neutron Diffraction Magnetic and Mossbauer Spectroscopic Studies of Pb 0.8 Bi 0.2 Fe 0.728 W 0.264 O 3 and Pb 0.7 Bi 0.3 Fe 0.762 W 0.231 O 3 Ceramics, *Journal of Superconductivity and Novel Magnetism* 34, pages 925–941 (2021) (Impact Factor 1.506)

38. Ravi Bharamagoudar, [V Jagadeesha Angadi](#), I Shivaraja, Basavaraj Angadi, Rajib Mondal, Anil S Patil, Sunil Patil, Vinayak Pattar, S Raghu, Shidaling Matteppanavar, Evidence of Weak Ferromagnetism, Space Charge Polarization, and Metal to Insulator Transition in Dy-Doped CaMnO₃, *Journal of Superconductivity and Novel Magnetism* volume 34, pages 837–844 (2021) (Impact Factor 1.506)

2020

39. K. Manjunatha, [V. Jagadeesha Angadi](#), R.A.P. Ribeiro, M.C. Oliveira, S.R. de Lázaro, M.R.D. Bomio, S. Matteppanavar, S. Rayaprol, P. D. Babu, U. Mahaboob Pasha, Structural, Electronic and Magnetic properties of Sc³⁺ doped CoCr₂O₄ nanoparticles, *New Journal of Chemistry*, (2020) DOI: 10.1039/D0NJ03062G. (Impact Factor: 3.288)

40. **V. Jagadeesha Angadi**, K. Manjunatha, S. P. Kubrin, A.T. Kozakov, A.G. Kochur, A.V. Nikolskii, I.D. Petrov, S.I. Shevtsova, N.H. Ayachit, *Crystal structure, valence state of ions and magnetic properties of HoFeO₃ and HoFe_{0.8}Sc_{0.2}O₃ nanoparticles from X-ray diffraction, X-ray photoelectron, and Mössbauer spectroscopy data*, **Journal of Alloys and Compounds**, 842 (2020) 155805. DOI: 10.1016/j.jallcom.2020.155805 (Impact Factor: **4.650**)
41. **V. Jagadeesha Angadi**, K. Manjunatha, Mustafa Akyol, Ahmet Ekicibil, Shidaling Matteppanavar, A. V. Pavlenko, S. P. Kubrin, *Temperature-Dependent Dielectric and Magnetic Properties of Scandium-Substituted HoFeO₃ Nanoparticles*, **Journal of Superconductivity and Novel Magnetism**, (2020). DOI: [10.1007/s10948-020-05597-w](https://doi.org/10.1007/s10948-020-05597-w) (Impact Factor: **1.244**)
42. Shivaraj itigi, Shidaling Matteppanavar, PSR Krishna, Sudhindra Rayaprol, P D Babu, **Jagadeesha Angadi V**, kubrin S.P, Basavaraj Angadi, *Weak Ferromagnetism and Magnetoelectric Coupling through the Spin-Lattice Coupling in (1-x)Pb(Fe₂/3W₁/3)O₃–(x)BiFeO₃ (x = 0.1 and 0.4) Solid Solution*, **Journal of Physics: Condensed Matter**, (2020). DOI: 10.1088/1361-648X/aba1aa (Impact Factor: **2.707**)
43. M. Abhishek, K. Manjunatha, **V. Jagadeesha Angadi**, E. Melagiriappa, B.N. Anandaram, H.S. Jayanna, M. Veena, K. Swaroop Acharya, *Structural and magnetic properties of Eu³⁺ substituted Mg-Cd nanoferrites: A detailed study of Influence of high energy γ -rays irradiation*, **Chemical Data Collections**, 28 (2020) 100460. DOI: 10.1016/j.cdc.2020.100460 (Impact Factor: **0.516**)
44. Abhiram Jagannathan, R. Rajaramakrishna, K.M. Rajashekara, Jagannath Gangareddy, VinayakPattar K, Venugopal Rao S, Eraiah B, **Jagadeesha Angadi V**, J. Kaewkhao, S. Kothan, *Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications*, **Journal of Non-Crystalline Solids**, 538 (2020) 120010. DOI: [10.1016/j.jnoncrysol.2020.120010](https://doi.org/10.1016/j.jnoncrysol.2020.120010) (Impact Factor: **2.929**)
45. K. Manjunatha, **V. Jagadeesha Angadi**, R. Rajaramakrishna, U. Mahaboob Pasha, *Role of 5 mol% Mg-Ni on the Structural and Magnetic Properties of Cobalt Chromates Crystallites Prepared by Solution Combustion Technique*, **Journal of Superconductivity and Novel Magnetism**, (2020). DOI: 10.1007/s10948-020-05549-4 (Impact Factor: **1.244**)
46. **V. Jagadeesha Angadi**, H.R. Lakshmi prasanna, K. Manjunatha, *Investigation of Structural, Microstructural, Dielectrical and Magnetic Properties of Bi³⁺ Doped Manganese Spinel Ferrite Nanoparticles for Photonic Applications*, **Bismuth - Fundamentals and Photonic**

Applications, IntechOpen (2020), ISBN: 978-1-83968-243-8. DOI: 10.5772/intechopen.92430. (Book Chapter)

47. A.V. Anupama, R. Kumar, H.K. Choudhary, [V. Jagadeesha Angadi](#), H.M. Somashekarappa, B. Rudraswamy, B. Sahoo, *Gamma-irradiation induced modifications in structural and magnetic properties of nanocrystalline $Mn_{0.5}Zn_{0.5}Sm_xFe_{2-x}O_4$ ceramics*, ***Radiation Physics and Chemistry***, 166 (2020) 108506. DOI: [10.1016/j.radphyschem.2019.108506](https://doi.org/10.1016/j.radphyschem.2019.108506) (Impact Factor: **2.226**)

48. M. Abhishek, E. Melagiriappa, [V. Jagadeesha Angadi](#), B. N. Anandaram, M. Veena, Mohammed Irfan, K. Swaroop Acharya, *Understanding the effect of high energy γ -radiation induced on the structural and electrical behavior of Eu^{3+} -substituted Mg–Cd nanoferrites*, ***Journal of Materials Science: Materials in Electronics***, 31 (2020) 5077-5096. DOI: [10.1007/s10854-020-03055-w](https://doi.org/10.1007/s10854-020-03055-w) (Impact Factor: **2.220**)

49. I.C. Sathisha, K. Manjunatha, [V. Jagadeesha Angadi](#), B. Chethan, Y.T. Ravikiran, Vinayaka K. Pattar, S.O. Manjunatha and Shidaling Matteppanavar, *Enhanced Humidity Sensing Response in Eu^{3+} -Doped Iron-Rich $CuFe_2O_4$: A Detailed Study of Structural, Microstructural, Sensing, and Dielectric Properties*, ***Mineralogy - Significance and Applications, IntechOpen***, (2020), ISBN: 978-1-78985-826-6. DOI: 10.5772/intechopen.90880 (Book Chapter)

50. S. Pratibha, B. Chethan, Y.T. Ravikiran, N. Dhananjaya, [V. Jagadeesh Angadi](#), *Enhanced humidity sensing performance of Samarium doped Lanthanum Aluminate at room temperature*, ***Sensors and Actuators A: Physical***, 304 (2020) 111903. DOI: [10.1016/j.sna.2020.111903](https://doi.org/10.1016/j.sna.2020.111903) (Impact Factor: **2.904**)

51. K. Manjunatha, [V. Jagadeesha Angadi](#), Renan A.P. Ribeiro, Elson Longo, Marisa C. Oliveira, Mauricio R.D. Bomio, Sergio R. de Lazaro, Shidaling Matteppanavar, S. Rayaprol, P.D. Babu, Mahaboob Pasha, *Structural, electronic, vibrational and magnetic properties of Zn^{2+} substituted $MnCr_2O_4$ nanoparticles*, ***Journal of Magnetism and Magnetic Materials***, 502 (2020) 166595. DOI: [10.1016/j.jmmm.2020.166595](https://doi.org/10.1016/j.jmmm.2020.166595) (Impact Factor: **2.717**)

52. Anu Sukhdev, Malathi Challa, Lakshmi Narayani, Adalagere Somashekar Manjunatha, P.R. Deepthi, [Jagadeesha V. Angadi](#), P. Mohan Kumar, Mehaboob Pasha, *Synthesis, phase transformation, and morphology of hausmannite Mn_3O_4 nanoparticles: photocatalytic and antibacterial investigations*, ***Heliyon***, 5 (2020) 03245. DOI: [10.1016/j.heliyon.2020.e03245](https://doi.org/10.1016/j.heliyon.2020.e03245) (Impact Factor: **1.650**)

53. K. Manjunatha, [V. Jagadeesha Angadi](#), K. M. Srinivasamurthy, Shidaling Matteppanavar, Vinayak K. Pattar and U. Mahaboob Pasha, *Exploring the Structural, Dielectric and Magnetic Properties of 5 Mol% Bi³⁺-Substituted CoCr₂O₄ Nanoparticles*, **Journal of Superconductivity and Novel Magnetism**, 94 (2020) 1-12. DOI: <https://doi.org/10.1007/s10948-019-05403-2>.

54. Murugendrappa Abhishek, Eshwarappa Melagiriya, Mohammed Irfan, Melagiriya Veena, Balisagara Nagarajan Anandaram, [V. Jagadeesha Angadi](#), Chikkahanumajja Surendranatha Naveen, and Hiriyur Mallaiyah. Somashekarappa, *Influence of high dose gamma irradiation on structural and magnetic properties of Mg-Cd nanoferrites*, **AIP Conference Proceedings** 2244 (2020) 090005. DOI: 10.1063/5.0009472

55. Manjunatha K, [Jagadeesha Angadi V](#), Srinivasamurthy. K M, Shidaling Matteppanavar, Vinayak K Pattar, Ravikiran Y T, *Structural Microstructural and Humidity Sensing Performance of Mn_{0.5}Zn_{0.5}Cr₂O₄ Nanoparticles*, **AIP Proceedings**, (2020). (Accepted)

56. Manjunatha K, [Jagadeesha Angadi V](#), Srinivasamurthy.K.M, Shidaling Matteppanavar, *Synthesis and Study of Structural, Dielectric Properties of Co_{0.95}Bi_{0.05}Cr₂O₄ nanoparticles*, **AIP Proceedings**, (2020). (Accepted)

57. Srinivasamurthy K M, [Jagadeesha Angadi V](#), K Manjunatha, Rudraswamy B, *Evidence For The Enhanced Magnetic Properties Of The Irradiated Ce³⁺ Substituted Co_{0.5}Ni_{0.5}Ferrites*, **AIP Conference Proceedings**, (2020). (Accepted)

58. Sathisha I C, K Manjunatha, [Jagadeesha Angadi V](#), Srinivasamurthy. K.M, Shidaling Matteppanavar B, *Structural and Dielectric properties of Larger Rare Earth Doped CuFe₂O₄ Nanoparticles Prepared by Combustion Route*, **AIP Conference Proceedings**, (2020). (Accepted)

2019

59. M.S. Jyothi, [V Jagadeesha Angadi](#), T.V. Kanakalakshmi, Mahesh Padaki, Balakrishna R Geetha, Khantong Soontarapa, *Magnetic Nanoparticles Impregnated, Cross-Linked, Porous Chitosan Microspheres for Efficient Adsorption of Methylene Blue from Pharmaceutical Waste Water*, **Journal of Polymers and the Environment**, 27 (2019) 2408-2418. DOI: 10.1007/s10924-019-01531-x (Impact Factor: **2.572**)

60. Srinivasamurthy K M, [Jagadeesha Angadi V](#), S.P. Kubrin, Shidaling Matteppanavar, Mohan Kumar P, B.Rudraswamy, *Evidence of enhanced ferromagnetic nature and hyperfine*

interaction studies of Ce-Sm doped Co-Ni ferrite nanoparticles for microphone applications, Ceramic International, 44 (2018) 18878-18885. DOI: 10.1016/j.ceramint.2018.07.123 (Impact Factor: **3.83**)

61. K.M. Srinivasamurthy, K. Manjunatha, E.I. Sitalo, S.P. Kubrin, I.C. Sathish, Shidaling Matteppanavar, B. Rudraswamy, [V. Jagadeesha Angadi](#), *Effect of Ce³⁺ substitution on the structural, morphological, dielectric, and impedance spectroscopic studies of Co–Ni ferrites for automotive applications*, *Indian Journal of Physics*, 94 (2019) 593-604 DOI: 10.1007/s12648-019-01495-7. (Impact Factor: **1.407**)

62. K Manjunatha, IC Sathish, SP Kubrin, AT Kozakov, TA Lastovina, AV Nikolskii, KM Srinivasamurthy, Mehaboob Pasha, [V Jagadeesha Angadi](#), *X-ray photoelectron spectroscopy and low temperature Mössbauer study of Ce³⁺ substituted MnFe₂O₄*, *Journal of Materials Science: Materials in Electronics*, 30, 10162-10171 (2019). 10.1007/s10854-019-01352-7 (Impact Factor: **2.220**)

63. Lakshmi Narayani, [V Jagadeesha Angadi](#), Anu Sukhdev, Malathi Challa, Shidaling Matteppanavar, PR Deepthi, P Mohan Kumar, Mehaboob Pasha, *Mechanism of high temperature induced phase transformation and magnetic properties of Mn₃O₄ crystallites*, *Journal of Magnetism and Magnetic Materials*, 476 (2019) 268-273. (Impact Factor: **2.717**)

64. [V Jagadeesha Angadi](#), Shidaling Matteppanavar, N Maramu, P Mohan Kumar, U Mahaboob Pasha, PR Deepthi, K Praveena, *Reduced A–B super exchange interaction in Sm³⁺–Gd³⁺-doped Mn–Zn ferrites due to high energy gamma irradiation*, *Indian Journal of Physics*, 93 (2019) 169-174. DOI: 10.1007/s12648-018-1285-2 (Impact Factor: **1.407**)

65. KM Srinivasamurthy, [V Jagadeesha Angadi](#), SP Kubrin, Shidaling Matteppanavar, DA Sarychev, B Rudraswamy, *Effect of Ce³⁺ Ion on Structural and Hyperfine Interaction Studies of Co_{0.5}Ni_{0.5}Fe_{2–x}Ce_xO₄ Ferrites: Useful for Permanent Magnet Applications*, *Journal of Superconductivity and Novel Magnetism*, 32 (2019) 693-704. DOI: 10.1007/s10948-018-4752-2 (Impact Factor: **1.244**)

66. K Manjunatha, KM Srinivasamurthy, CS Naveen, YT Ravikiran, EI Sitalo, SP Kubrin, Shidaling Matteppanavar, N Sivasankara Reddy, [V Jagadeesha Angadi](#), *Observation of enhanced humidity sensing performance and structure, dielectric, optical and DC conductivity studies of scandium doped cobalt chromate*, *Journal of Materials Science: Materials in Electronics*, 30 (2019) 17202-17217. DOI: 10.1007/s10854-019-02068-4 (Impact Factor: **2.220**)

67. Ravi Bharamagoudar, Shidaling Matteppanavar, Anil S Patil, Vinayak Pattar, **Jagadeesha Angadi V**, K. Manjunatha, *Effect of Dy on structural and low temperature magnetic properties of $Ca_{0.7}Dy_{0.3}MnO_3$* , **Chemical Data Collections**, 24 (2019) 100288. DOI: [10.1016/j.cdc.2019.100288](https://doi.org/10.1016/j.cdc.2019.100288) (Impact Factor: **0.516**)

68. Shidaling Matteppanavar, **Jagadeesha Angadi V**, T Nagaraja, Sudhindra Rayaprol, Basavaraj Angadi, *Room temperature neutron diffraction, electron paramagnetic resonance and ferroelectric properties of relaxor ferroelectric $Pb(Fe_{0.6}Nb_{0.2}W_{0.2})O_3$* , **AIP Conference Proceedings**, 2142 (2019) 090009. DOI: [10.1063/1.5122453](https://doi.org/10.1063/1.5122453)

69. H.R. Lakshmiprasanna, **V. Jagadeesha Angadi**, B.R. Babu, M. Pasha, K. Manjunatha, S. Matteppanavar, *Effect of Pr^{3+} -doping on the structural, elastic and magnetic properties of Mn-Zn ferrite nanoparticles prepared by solution combustion synthesis method*, **Chemical Data Collections**, 24 (2019) 100273. DOI: [10.1016/j.cdc.2019.100273](https://doi.org/10.1016/j.cdc.2019.100273) (Impact Factor: **0.516**)

70. **Jagadeesha Angadi**, Srinivasamurthy K. M., Shidaling Matteppanavar, Vinayak K. Pattar, Rudraswamy B, *Electrical behavior of $Co_{0.5}Ni_{0.5}Ce_xSm_yFe_{2-(x+y)}O_4$ ceramics probed by impedance spectroscopy analysis*, **AIP conference proceedings**, 2115 (2019) 30117. DOI: [10.1063/1.5112956](https://doi.org/10.1063/1.5112956)

2018

71. PR Deepthi, Anu Sukhdev, P Mohan Kumar, **V Jagadeesha Angadi**, U Mahaboob Pasha, J Shanthi, *Structural, FTIR and Ferro electric analysis of pure TGS and L-Cysteine doped TGS crystals for infrared device applications*, **Chemical Data Collections**, 17 (2018) 276-286. DOI: [10.1016/j.cdc.2018.09.007](https://doi.org/10.1016/j.cdc.2018.09.007) (Impact Factor: **0.516**)

72. Ravi C Bharamagoudar, **Jagadeesha Angadi V**, ShiddalingMatteppanavar,Mohan Kumar P, Vijay M Kumar, Anil S Patil, *Synthesis and study of structural, electrical and antibacterial properties of Mn-Zn ferrite nano powder*, Proceedings of International conference on Recent Advances in Materials Science and Biophysics, ISBN 978-93-5291-953-6.(2018).

73. KM Srinivasamurthy, **V Jagadeesha Angadi**, P Mohan Kumar, BS Nagaraj, PR Deepthy, U Mahaboob Pasha, B Rudraswamy, *Synthesis and study of structural, microstructural and dielectric properties of Ce^{3+} doped Co-Ni ferrites for automotive applications*, **AIP Conference Proceedings**, 1953 (2018) 030277. DOI: [10.1063/1.5032612](https://doi.org/10.1063/1.5032612)

74. Srinivasamurthy K M, **Jagadeesha Angadi V**, Deepthi P. R, B.Rudraswamy, *Escalating the structural, Microstructural and Magnetic properties of Ce^{3+} and Sm^{3+} co-doped Cobalt-Nickel ferrites*, Proceedings of International conference on Recent Advances in Materials Science and Biophysics, ISBN 978-93-5291-953-6. (2018).

75. K.M. Srinivasamurthy, [Jagadeesha Angadi V](#), S.P. Kubrin, Shiddaling Matteppanavar, D.A. Sarychev, P. Mohan Kumar, Haileeyesus Workineh Azale, B. Rudraswamy, *Tuning of Ferrimagnetic nature and Hyperfine Interaction of Ni²⁺ doped Cobalt ferrite nanoparticles for Power Transformer Applications*, **Ceramic International**, 44 (2018) 9194-9203. DOI: 10.1016/j.ceramint.2018.02.129 (Impact Factor: **3.83**)

76. P Shankar, A Jayasheelan, [V Jagdeesha Angadi](#), RS Raveendra, *AC Conductivity, Dielectric Spin Relaxation and Impedance Spectroscopy Studies of Cobalt Substituted Calcium Nano Ferrite for High Frequency Applications*, **Journal of Computational and Theoretical Nanoscience**, 15 (2018) 3254-3260. DOI: doi.org/10.1166/jctn.2018.7607

2017

77. [V. Jagadeesha Angadi](#), A.V. Anupama, R. Kumar, H.K. Choudhary, S. Matteppanavar, H.M. Somashekarappa, B. Rudraswamy, B. Sahoo, *Composition dependent structural and morphological modifications in nanocrystalline Mn-Zn ferrites induced by high energy γ -irradiation*, **Materials Chemistry and Physics**, 199 (2017) 313-321. DOI: 10.1016/j.matchemphys.2017.07.021 (Impact Factor: **3.408**)

78. [Jagadeesha Angadi. V](#), Shidaling Matteppanavar, Raju B Katti, B. Rudraswamy and K.Praveena, *Breking of ferrimagnetic ordering in Sc³⁺ doped Mn-Zn ferites due to high energy gamma irradiation*. **AIP Proceedings**, 1832 (2017) 130040. DOI: 10.1063/1.4980760

79. [Jagadeesha Angadi V](#), S.P. Kubrin, D.A. Sarychev, Shidaling Matteppanavar, B. Rudraswamy, Hsiang-Lin Liu, K. Praveena, *Low temperature Mössbauer spectroscopic studies on Sm³⁺ doped Zn-Mn ferrites*. **Journal of Magnetism and Magnetic Materials**, 441 (2017) 348–355. DOI: 10.1016/j.jmmm.2017.05.080 (Impact Factor: **2.717**)

80. [Jagadeesha Angadi V](#), Anupama A. V., R.Kumar, H. K. Choudhury, M. Mallappa, H. M. Somashekarappa, Rudraswamy B., B. Sahoo, *Mechanism of gamma-irradiation induced phase transformation in nanocrystalline Mn_{0.5}Zn_{0.5}Fe₂O₄*, **Journal of solid state chemistry**, 246 (2017) 119–124. DOI: 10.1016/J.JSSC.2016.11.017 (Impact Factor: **2.726**)

81. [Jagadeesha Angadi V](#), Anupama A. V., R.Kumar, S.Matteppanavar, H. M. Somashekarappa, Rudraswamy B., B. Sahoo, *Dose dependent modifications in structural and magnetic properties of Gamma irradiated Mn_{0.5}Zn_{0.5}Fe₂O₄ ceramics*, **Ceramics International**, 43 (2017) 523–526. DOI: 10.1016/j.ceramint.2016.09.188 (Impact Factor: **3.83**)

2016

82. **V. Jagdeesha Angadi**, Leema Choudhury, K. Sadhana, Hsiang-Lin Liud, R. Sandhya, Shidaling Matteppanavar, B. Rudraswamy, Vinayak Pattar, R.V. Anavekar, K. Praveena *Structural, electrical and magnetic properties of Sc³⁺doped Mn-Zn ferrite nanoparticles*, **Journal of Magnetism and Magnetic Materials**, 424 (2017) 1–11. DOI: 10.1016/j.jmmm.2016.10.050 (Impact Factor: **2.717**)
83. **Jagadeesha Angadi V**, Anupama A. V, R. Kumar, H. M. Somashekarappa, Rudraswamy.B, B. Sahoo, *Evidence of structural damage in Sm and Gd co-doped Mn-Zn ferrite ceramics due to high-energy gamma irradiation*, **Ceramic International**, 42 (2016) 15933-15939. DOI: 10.1016/j.ceramint.2016.07.072 (Impact Factor: **3.83**)
84. **Jagadeesha Angadi V**, Anupama A.V., Rajeev Kumar, Shidaling Matteppanavar, Rudraswamy B. and Balaram Sahoo, *Observation of enhanced magnetic pinning in Sm³⁺ substituted nanocrystalline Mn-Zn ferrites prepared by propellant chemistry route*, **Journal of Alloys and compound**, 682 (2016) 263-274. DOI: 10.1016/j.jallcom.2016.04.246 (Impact Factor: **4.650**)
85. Anupama M. K, **Jagadeesha Angadi V**, Shidaling Matteppanavar, Vinayak Pattar, and Rudraswamy B. *Structural and dielectric behaviour of Cr³⁺ and Gd³⁺ substituted Ni-Zn nano ferrites*, **AIP Conference Proceedings**, 1728 (2016) 020512. DOI: 10.1063/1.4946563
86. **Jagadeesha Angadi V**, B.Rudraswamy, E.melagiriappa, Shivraj.Y, Shidaling Matteppanavar, *Effect of Sm³⁺ substitution on structural and magnetic investigation of nano sized Mn–Sm–Zn ferrites*, **Indian journal of Physics**, 90 (2016) 881-885. DOI: 10.1007/s12648-015-0818-1 (Impact Factor: **1.407**)
87. **Jagadeesha Angadi V**, B.Rudraswamy and K.Praveena, *Structural and magnetic properties of manganese zinc ferrite nanoparticles prepared by solution combustion method using mixture of fuels*, **Journal of Magnetism and Magnetic materials**, 409 (2016) 111–115. DOI: 10.1016/j.jmmm.2016.02.096 (Impact Factor: **2.717**)
88. **Jagadeesha Angadi V**, B. Rudraswamy, Shidaling Matteppanavar, Basavaraj Angadi, S. E. Naina Vinodini, K. Sadhana, *Effect of Zn²⁺ Substituted on Structural and Magnetic Properties of Manganese Ferrite Synthesized via Combustion Route*, **Advanced Science Letters**, 22 (2016) 790-796. DOI: 10.1166/asl.2016.6952
89. **Jagadeesha Angadi.V**, Shidaling Matteppanavar, Srinatha.N, Rudraswamy, *Effect of Sc³⁺ on Structural and Magnetic Properties of Mn-Zn Nano Ferrites*, **AIP Proceedings**, 1731 (2016) 050047. DOI: 10.1063/1.4947701

90. **V. Jagadeesha Angadi**, B Rudraswamy, K Sadhana, S Ramana Murthy, K Praveena, *Effect of Sm³⁺-Gd³⁺ on structural, electrical and magnetic properties of Mn-Zn ferrites synthesized via combustion route*, **Journal of Alloys and compound**, [Volume 656](#), 25 January 2016, Pages 5-12,

91. **Jagadeesha Angadi V**, Rudraswamy B, Sadhana K, Praveena K, *Effect of Sm³⁺ - Gd³⁺ co-doping on dielectric properties of Mn-Zn ferrites synthesized via combustion route*, **Journal of Materials Today: Proceedings**, 3 (2016) 2178–2186. DOI: 10.1016/j.matpr.2016.04.124

2015

92. **Jagadeesha Angadi V**, B Rudraswamy, K. Sadhana, S.Ramana Murthy, K. Praveena, *Effect of Sm-Gd on Structural, Electrical and magnetic properties of Mn-Zn ferrites synthesized via combustion route*, **Journal of Alloys and compound**, 656 (2016) 5-12. DOI: 10.1016/j.jallcom.2015.09.222 (Impact Factor: **4.650**)

93. **Jagadeesha Angadi.V**, B.Rudraswamy, Shidaling Matteppanavar, P.Bharathi, Basavaraj Angadi and K.Praveena, *Magnetic Properties of noncrystalline Mn_(1-x)Zn_xFe₂O₄*, **AIP Proceedings**, 1665 (2015) 050014. DOI: 10.1063/1.4917655

2014

94. **V. Jagadeesha Angadi**, B. Rudraswamy, E. Melagiriappa, H.M.Somashekarappa and H.Nagabhushana, *Effect of Gamma Irradiation on Dielectric Properties of Manganese Zinc Nanoferrites*, **AIP Proceedings**, 1591 (2014) 296 . DOI: 10.1063/1.4872578

95. **Jagadeesha Angadi V**, B.Rudraswamy, E.melagiriappa, B.Daruka Prasad, H. Nagabhushana, *Transport Properties of nano sized Mn-Zn mixed ferrites for frequency dependent automotive applications*, **Journal of Advanced Materials Engineering**, 7 (2014) 0974 – 8725.

2012

96. B. J. Madhu, **V. Jagadeesha Angadi**, H. Mallikarjuna, S. O. Manjunatha, B. Shruthi, R. Madhu Kumar, *Dielectric Behavior and A. C. Conductivity Studies on Nickel Nanoferrites Synthesized by Solution Combustion Method*, **Advanced Materials Research**, 584 (2012) 299-302. DOI: 10.4028/www.scientific.net/AMR.584.299

c. Guideship : -- Yes

1. Presidency University,
2. K.L.E, Technological University
3. JJT University, Rajastan

d. Number of M. Phil/Ph.D registered and produced- 01(PhD)

3. Presentation of papers in Seminars, Symposia & Conferences.

International	National	Total
43	05	48

4. Details of presentations:

1. Srinivasamurthy K. M. and [Jagadeesha Angadi V](#), *Irradiation induced enhancement of magnetic properties in the Ce³⁺ substituted Co_{0.5}Ni_{0.5} ferrite nanoparticles*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science Collegee, Hubballi.
2. Srinivasamurthy K. M. and [Jagadeesha Angadi V](#), *Ni²⁺ tuned structural and dielectric properties of Cobalt ferrite nanoparticles for high frequency applications*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science Collegee, Hubballi.
3. Lakshmi prasanna H. R, Manjunatha K, [Jagadeesha Angadi V](#), Mahaboob Pasha U, *Effect of Cerium on Structural, Microstructural, Magnetic and Humidity Sensing Properties of Mn-Bi ferrites*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science Collegee, Hubballi.
4. Sathisha I. C, Manjunatha K, [Jagadeesha Angadi V](#), Ranjeth Kumar Reddy T. *Structural, microstructural, electrical, magnetic and humidity sensing properties of CuFe_{2-(x+y)Eu_xSc_yO₄}* (where x and y varies from 0 to 0.03) nanoparticles, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science Collegee, Hubballi.
5. Manjunatha K, [Jagadeesha Angadi V](#) , Mahaboob Pasha U, *Effect of Mg-Ni on Structural and Magnetic properties of CoCr₂O₄ nanoparticles*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science Collegee, Hubballi.

6. Manjunatha K, [Jagadeesha Angadi V](#), Ribeiro R.A.P, Oliveira M.C, Lázaro S.R., Bomio M.R.D., Shidaling Matteppanavar, Sudhindra. Rayaprol, Babu P.D, Mehaboob Pasha, *Structural, Electronic and Magnetic properties of Sc³⁺ doped CoCr₂O₄ nanoparticles*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science College, Hubballi.
7. Ravi Bharamagoudar, [Jagadeesha Angadi V](#), Anil Patil S, Vinayak Pattar, Shidaling Matteppanavar, *Effect of Dy and Gd on Structural and Magnetic Properties of Ca_{0.7}Dy_{0.3}MnO₃ and Ca_{0.7}Gd_{0.3}MnO₃*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science College, Hubballi.
8. [Jagadeesha Angadi V](#) , Rajesha Nairy, Ayachith N. H, *Correlation of internal Strain, Size to Electrical and Temperature Dependent Magnetic Properties of Ce³⁺ doped Manganese ferrimagnetic nanoparticles*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C Jabin Science College, Hubballi.
9. [Jagadeesha Angadi V](#) and Rajesh Nairy, *X-ray photoelectron and Mössbauer spectroscopy study of Sc³⁺ doped HoFeO₃*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science College, Hubballi.
10. Veeresh Hiremath G, [Jagadeesha Angadi V](#), Manjunatha K and Rajesh Nairy, *A Short Review on Ferrites for Humidity Sensor Applications*, One day International Conference on “Advanced Materials” which was held on July 20th 2020, organized by KLE Society’s P.C. Jabin Science College, Hubballi.
11. K. Manjunatha, [Jagadeesha Angadi V](#), U. Mahaboob Pasha, *Bismuth doped Cobalt Chromates nanoparticles: A detailed study of Structural, Microstructural, Electrical and Magnetic Properties*, 1st International e-Conference on “Recent Advances In Physics & Materials Science-2020), which was held on July 9-10, 2020 organized by Kurseong College, Darjeeling.
12. Manjunatha K, [Jagadeesha Angadi V](#), Srinivasamurthy.K.M, Shidaling Matteppanavar, Vinayaka K Pattar, Ravikiran Y, *Structural Microstructural and Humidity Sensing Performance of Mn_{0.5}Zn_{0.5}Cr₂O₄ Nanoparticles*, DAE Solid State Physics Symposium. which was held on Dec 18th to 22nd 2019 held at IIT Jodhpur.
13. K Manjunatha, [Jagadeesha Angadi V](#), Srinivasamurthy K.M, Mahaboob Paha U, *The Synthesis and Study of Structural and Magnetic Properties of Co_{1-x}Sc_xCr₂O₄ (Where*

- $x=0.00$ and 0.05) nanoparticles, National Conference on “Emerging trends, Innovations & Applications in Science & Technology” which was held on 1st October 2019 at Nagarjuna College of Management Studies, Chickmarali.
14. Lakshmi Prasad H R, [Jagadeesha Angadi V](#), Manjunatha K, *Structural, microstructural, dielectrical and magnetic properties of $Mn_xBi_xFe_2O_4$ (Where, $x= 0, 0.05, 0.10, 0.15$ and 0.20) nanoparticles*, National Conference on “Emerging trends, Innovations & Applications in Science & Technology” which was held on 1st October 2019 at Nagarjuna College of Management Studies, Chickmarali.
 15. Sathisha I C, [Jagadeesha Angadi V](#), Manjunatha K, *Structural, electrical and magnetic properties of $CuFe_{2-(x+y)}Eu_xScyO_4$ (Where, $x= 0, 0.01, 0.02, 0.03$) nanoparticles*, National Conference on “Emerging trends, Innovations & Applications in Science & Technology” which was held on 1st October 2019 at Nagarjuna College of Management Studies, Chickmarali.
 16. Manjunatha K, Srinivasamurthy K M, Shiddaling matteppanavar, [Jagadeesha Angadi V](#), *Synthesis and Study of Structural, Electrical, Optical and Magnetic Properties of 5 mol% Bi^{3+} Substituted $CoCr_2O_4$ Nanoparticle*, International Conference on Advances in Materials Research, which was held on July 25-27, 2019 held at RAMAIAH UNIVERSITY Bangalore, INDIA.
 17. Srinivasmurthy K M, [Jagadeesha Angadi V](#), Manjunatha K, Rudraswamy B, *Evidence for the Enhanced Magnetic Properties of the Irradiated Ce^{3+} Substituted $Co_{0.5}Ni_{0.5}$ Ferrites*, International Conference on Advances in Materials Research, which was held on July 25-27, 2019 held at RAMAIAH UNIVERSITY Bangalore, INDIA.
 18. Sathish I C, Manjunatha K, Srinivasamurthy K M, [Jagadeesha Angadi V](#), Shiddaling matteppanavar, *Structural, Morphological and Dielectrical Properties of Larger Rare Earth Doped $CuFe_2O_4$ Nanoparticles Prepared by Combustion Route*, which was held on July 25-27, 2019 held at RAMAIAH UNIVERSITY Bangalore, INDIA.
 19. Lakshmi Prasad H.R, Manjunatha K, Srinivasamurthy K M, [Jagadeesha Angadi V](#), *Effect of Bi^{3+} on the Structural, Microstructural, Dielectric and Magnetic Properties of Manganese Ferrite Nanoparticles*, International Conference on Advances in Materials Research, which was held on July 25-27, 2019 held at RAMAIAH UNIVERSITY Bangalore, INDIA.
 20. Srinivasamurthy K M, [Jagadeesha Angadi V](#), *Electrical behaviour of $Co_{0.5}Ni_{0.5}Ce_xSm_yFe_{2-(x+y)}O_4$ ceramics probed by impedance spectroscopy analysis*, DAE

Solid State Physics Symposium, which was held on December 18-22, 2018 at Hisar, Haryana.

21. Manjunatha K, [Jagadeesha Angadi V](#), *Structural and Magnetic Properties of Nano Sized $CoCr_{1.97}Sc_{0.03}O_4$ Multiferroics*, International Winter School 2018 on “Frontiers in Material Science” which was held on 3rd to 7th December 2018 held at Jawaharlal Nehru Center for Advanced Scientific Research, Bengaluru.
22. Srinivasamurthy K M, Manjunatha K, [Jagadeesha Angadi V](#), B Rudraswamy, *Structural, Raman and cation distribution studies on $Co_{1-x}Ni_xFe_2O_4$ nanoparticles*, National Level Conference on “Emerging Trends in Material Science”, which was held on 5th October 2018 at S Nijalingappa College, Bengaluru.
23. Srinivasamurthy K M, [Jagadeesha Angadi V](#), *Structural and Mossbauer spectroscopic studies of $Co_{0.5}Ni_{0.5}Ce_xSm_yFe_{2-(x+y)}O_4$ Ceramics*, International Conference on Advanced Ceramics and Nanomaterials for Sustainable Development, which was held on September 19-21, 2018, held at Christ University Kengeri Campus, Bangalore.
24. Rudraswamy B, Srinivasamurthy K M, [Jagadeesha Angadi V](#), *Observation of enhanced magnetic pinning and hyperfine interaction studies of $Co_{0.5}Ni_{0.5}Ce_xSm_yFe_{2-(x+y)}O_4$ nanoparticles*, European Advanced Materials congress, which was held on August 20-23, 2018 at Stockholm, Sweden.
25. Ravi C Bharamagoudar, [Jagadeesha Angadi V](#), ShiddalingMatteppanavar, Mohan Kumar P, Vijay M Kumar, *Synthesis and study of structural, electrical and antibacterial properties of Mn-Zn ferrite nanopowder*, International Conference on “Recent advances in Materials Science and Biophysics”(RAMSB-2018) which was held on January 23-25, 2018 at Department of Studies in Physics, Mangalore University, Mangalore, Karnataka.
26. Srinivasamurthy K M, [Jagadeesha Angadi V](#), Deepthi P. R, B.Rudraswamy, *Escalating the structural, Microstructural and Magnetic properties of Ce^{3+} and Sm^{3+} co-doped Cobalt- Nickel ferrites*, International Conference on “Recent advances in Materials Science and Biophysics”(RAMSB-2018) which was held on January 23-25, 2018 at Department of Studies in Physics, Mangalore University, Mangalore, Karnataka
27. Nagaraja B S, [JagadeeshaAngadi V](#), Ashok Rao, *Structural, Microstructural and Magnetic Investigation of Sr-Doped $DyMnO_3$ for Spintronic Applications*. International Conference on “Recent advances in Materials Science and Biophysics”(RAMSB-2018) which was held on January 23-25, 2018 at Department of Studies in Physics, Mangalore University, Mangalore, Karnataka
28. [Jagadeesha Angadi V](#), *Low Temperature Mössbauer Spectroscopic Studies On Ce^{3+}*

- Doped MnFe₂O₄*, International Conference on “Recent advances in Materials Science and Biophysics” (RAMSB-2018) which was held on January 23-25, 2018 at Department of Studies in Physics, Mangalore University, Mangalore, Karnataka
29. [Jagadeesha Angadi V](#), Nagaraja B S, Somashekarappa H M, *Effect Of Gamma Irradiation On Structural And Magnetic Properties Of Sc³⁺ Substituted Mn-Zn Ferrite Prepared By Combustion Route*, International Conference on “Recent advances in Materials Science and Biophysics”(RAMSB-2018) which was held on January 23-25, 2018 at Department of Studies in Physics, Mangalore University, Mangalore, Karnataka
 30. B.Rudraswamy, [Jagadeesha Angadi V](#), *Structure and Magnetic Properties of Nanocrystalline Mn_{0.5}Zn_{0.5} Sm_xFe_{2-x}O₄ Ferrites Irradiated with Different Doses (€ 25 kGy) of High Energy G-Radiation*, BIT’S Annual world congress of Nano Science and Technology -2017 which was held on 24-26 Oct 2017 at Hilton Fukuoka Sea Hawk, Japan
 31. Srinivasamurthy K M, [Jagadeesha Angadi V](#), Mohan Kumar P, Nagaraja B.S, Deepthi P R, U. Mahaboob Pasha, Rudraswamy B, *Synthesis and study of Structural, Microstructural and Dielectric Properties of Ce³⁺ doped Co-Ni Ferrites for automotive applications*, 2nd International Conference on Condensed Matter and Applied Physics (ICC-2017) which was held on Nov 24-25, 2017 at Bikaner(Rajasthan) India.
 32. Srinivasamurthy K M, [Jagadeesha Angadi V](#), *Observation of reduction in hyperfine magnetic field and superparamagnetic relaxation behaviour of Ni²⁺ doped CoFe₂O₄*, 4th International Conference on “Nanoscience and Nanotechnology ICONN-2017”, which was held on August 9-11, 2017, at SRM UNniversity Kattankulathur, Tamilnadu.
 33. [Jagadeesha Angadi. V](#), Shidaling Matteppanavar, Raju B Katti, B. Rudraswamy and K. Praveena, *Breaking of ferrimagnetic ordering in Sc³⁺ doped Mn-Zn ferrites due to high energy gamma irradiation*, DAE solid state Physics symposium, which was held on 21-26, Dec-2016 at Bhubaneswar, Orissa.
 34. Anupama M. K., [Jagadeesha Angadi V](#), Shidaling Matteppanavar, VinayakPattar, and Rudraswamy, *Structural and dielectric behaviour of Cr³⁺ and Gd³⁺ substituted Ni-Zn nano ferrites*, 1st International Conference on Condensed Matter and Applied Physics (ICC-2016) which was held on Nov-2016, at Bikaner (Rajasthan) India.
 35. [Jagadeesha Angadi V](#), Anupama A. V., R. Kumar, H. M. Somashekarappa, Rudraswamy B., B. Sahoo, *Breaking of Ferrimagnetic Ordering in Mn-Zn ferrites due to High Energy gamma irradiation*, International symposium on solid state chemistry which was held on Dec 1 to 3, 2016 at JNCASR, Bengaluru
 36. [Jagadeesha Angadi.V](#), Rudraswamy.B, K.Sadhana, K.Praveena, *Effect of Sm³⁺-Gd³⁺ co-*

- doping on dielectric properties of Mn-Zn ferrites Synthesized via Combustion Route* (RAINST-2015) which was held on 9-11, June 2015, at Hyderabad).
37. **Jagadeesha Angadi.V.** Rudraswamy.B, *Influence of Sc³⁺ ion substitution on Structural and magnetic properties of Mn-Zn ferrites*, International Conference on Advances in Materials, Manufacturing and Applications (AMMA – 2015), which was held on 9 -11 April, 2015 at NIT TrichyTamilnadu
 38. **Jagadeesha Angadi.V.** Manjunatha.S.O, Madhu B.J and Rudraswamy.B, *Synthesis, Characterization And Dielectric Studies Of Ni-Zn Nano Ferrites Prepared Using Solution Combustion Method*, National conference on Condensed Matter Physics and Applications, which was held on 27-28 Dec 2012, at Department of Physics, Manipal Karnataka.
 39. **Jagadeesha Angadi.V.** B.Rudraswamy, Shidaling Matteppanavar, P.Bharathi, and K.Praveena, *Effect of Zn²⁺ substituted on Structural and Magnetic Properties of Manganese Ferrite*, Winter school of Frontriors on Material science which was held on 1-5 dec 2014 at JNCASR, Bangalore
 40. **Jagadeesha Angadi.V.** B.Rudraswamy, Shidaling Matteppanavar, P.Bharathi, and K.Praveena, *Magnetic Properties of Mn_(1-x)Zn_xFe₂O₄*, DAE SSPS 2014 which was held on Dec 16-21 at Vellur, Tamilnadu.
 41. **Jagadeesha Angadi.V.** B.Rudraswamy, Shidaling Matteppanavar, P.Bharathi, Basavaraj Angadi and K.Praveena, *Effect of Zn²⁺ substituted on Structural and Magnetic Properties of Manganese Ferrite Synthesized via Combustion Route*, NANOCON14, which was held on October 15, 2014 at Pune, India.
 42. **Jagadeesha Angadi.V.** Rudraswamy.B. *Effect of C₆₀ Irradiation on Structural and electrical properties of Zn- ferrite Nano crystals*, International Conference on Advanced Functional Materials (ICAFM), which was held on February 19-21, 2014. Trivendrum.
 43. **Jagadeesha Angadi.V.** Shidaling Matteppanavar, Srinatha.N, Rudraswamy.B, *Effect of Sc³⁺ on Structural and Magnetic Properties of Mn-Zn Nano Ferrites*, DAE Solid State Physics Symposium, which was held on Dec 21-25,2015 at Amity University Delhi.
 44. **Jagadeesha Angadi.V.** and Rudraswamy, *Study of structural, Electrical and magnetic Properties of nanosized Mn_{1-x}Zn_xFe₂O₄ synthesized by solution Combustion route*, International Conference on Multifunctional, Hybrid and Nanomaterials, which was held on March 9-13, 2015 at Sitges near Barcelona, Spain.
 45. Participation in Orientation and Refresher courses:

Sl. No.	Programme/course	Duration	Name of the University
01	Physics(Refresher Course)	30 days	Sambalpur University
02	Orientation Programme	30 days	Rajaraman College

46. Contribution as Resource Person/judge/Key note speaker/rapporteur/etc:

Sl No	Title of the lecture or speech	Place & date
1.	Delivered Guest lecture on Preperation of NAAC SSR, B.R.B Commerce college, Raichur	11-01-2022, Raichur
2	Delivered an Invited talk on the occasion of “ International Virtual conference on Advances in Nanoscience and Nanotechnology (ICANN 2021) ” held on 5 - 6 February 2021, organized by the Department of Chemistry, Bharath Institute of Higher Education and Research (BIHER), Chennai, Tamil Nadu, India.	6-02-2021, Tamilnadu
3	Delivered an Invited lecture on the occasion of “ Three day National webinar on Magnetic nano materials ” organized by BEIT, Davanagere from 20 th July 2020- 23 rd July 2020	20-07-2020, Davanagere
04	Delivered invited lecture on Magnetic properties of ferrimagnetic materials in a webinar organized by B.K College of Arts, Science and commerce , chikodi on 12 th June 2020.	12-06-2020, Chikkodi
05	Delivered an Invited lecture in National Conference on “Emerging Trends in Science and Technology” organized Soundarya Institute of Management and Science, Hesarghatta Main Road Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73 on 17th February, 2018	17-02-2018, Bengaluru
06	Delivered Special Lecture on Nanoscience and Technology organized by K.L.E, S. Nijalingappa, Collegee, Bengaluru. On 5 th September 2017	05-09-2017, Bengaluru

47. Teaching Innovations :

Taught M.Sc. courses in Mathematical Methods, Statistical Mechanics, Nanoscience and Nanotechnology, Laboratory (General, Nuclear and Solid State Physics)

Taught Engineering Physics and Lab

Taught B.Sc. Physics - Properties of Matter, Magnetism, Superconductivity, Nanoscience

Evaluated in the most recent evaluation as one of the 6 best teachers in a department of 10 faculty members.

Course Designed and taught:

(i) **Physics of Nanomaterial's: Synthesis and Characterization**

(ii) **Basics Theoretical Concepts**

for Ph.D. students at Presidency University Bangalore

48. Extracurricular activities : nil

49. Important responsibilities held :

1. **Convener**, one day online **International Conference on Advanced Material's** organized in P.C.Jabin science College, Hubballi, Karnataka, India (20th July,2020)
2. Organizing Committee member of two-day **International e-conference on Applied materials and Technology** organized by K.L.E's S.Nijalingappa College, Bangalore(9th and 10th October 2020)
3. Organizing Committee member of two-day "**National Conference on Green Energy, Environment & Sustainable Development**" (NCGEESD-18) from 09th and 10th March, 2018 organised by Presidency University, Bengaluru, India.
4. Organizing Committee Member of **One day National conference on Emerging trends in Material Science** at K.L.E S.Nijalingappa College, Bengaluru, Karnataka, India, (7th march 2017).

50. Training Programmes attended :

Refresher course, Orientation Program, Faculty development Programme

51. Computer literacy : C, C++, JAVA, Oracal, Kobal, Tally..etc.

52. Awards and Achievements

1. **Summer Teacher research fellow award- 2017 awarded by Indian Academy of Science Bengaluru**
2. **One of the finest faculty in a department of ten faculty members- Awarded by Presidency University.**
3. **Senior Research fellow (SRF), Oct 2014 – Dec 2015 -UGC**
4. **Junior Research Fellow (JRF), Sep 2012 – Sep 2014-UGC**
5. **Filed 2 US Patent (both patents are under consideration).**
6. As a part of International open access week 2022 celebrated by Elsevier my article "[Synthesis, phase transformation, and morphology of hausmannite Mn₃O₄ nanoparticles: photocatalytic and antibacterial investigations](#)" downloaded 6661 times at Elsevier platform and was linked to the **United Nations Sustainable Development Goals**, helping to tackle some of the world's greatest challenges in 2022.
7. **Selected as a Visiting faculty Program at The Jawaharlal Nehru Centre for Advanced Scientific Research(JNCASR), Bangalore**
8. Listed as AD Scientific Index - World Scientist Rankings – 2023
9. The UGC DAE CSR Kolkatta Center, Govt. of India has sanctioned research grant for the research project on "*Electric field Induced tuning of Magnetism in Hexagonal Magnetolectric Multiferroic and their radiation stability*".
10. **Published 48 research papers in International Journals (UGC care list) (2019-2022). Published 15 research papers after SSR submission.**
11. Published 10 book chapters and books
12. Research paper Entitled "Towards shape-oriented Bi-doped CoCr₂O₄ nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties" Published in [Journal of Materials Chemistry C selected as](#) part of the themed collection. The articles published in [Journal of Materials Chemistry C](#) (Impact factor 8.5) in 2021 marked as HOT (selected by our Editors as especially significant based on reviewers' recommendations and their own appraisal).
<https://doi.org/10.1039/D1TC00872B>
13. **Guest Editor for the Journal of King Saud University-Sciences(Elsevier publication), Impact factor-3.5**
14. **Guest Editor for the Frontier in Chemistry**

15. Acted as resource person in different National and international level conferences

16. Published 116 research articles.

17. Life member of Neutron Society of India

18. Reviewer for various journal of Springer and Elsevier Journals

53. Proficiency in languages : Kannada and English

54. Memberships-Academic/Professional/social :

Professional body's

- ✓ Life member of Neutron Society of India.
- ✓ Life member of Magnetic society of India.
- ✓ Life member of Luminescence society of India

Editorial board

- ✓ Guest editor for *Journal of King Saud University: Science for special issue on Optoelectronic and Energy-related Multifunctional Nanomaterials(Elsevier Publication)*
- ✓ Guest Editor ; Frontier in chemistry, (Elsevier Publication)
- ✓ Editorial board member of International Journal of Nanoelectronics and Materials (IJneaM). Malaysian University, Malaysia(2017 to 2021).
- ✓ Editorial board member of Cambridge Scholar Publishing, United Kingdom
- ✓ Editorial Board Member of International Journal of Additive-Manufactured Structures!

Review Assignments

- ✓ Review committee member of 59th DAE solid state symposium -2015
- ✓ Reviewer of various international journals namely:
 - Journals of Alloys and Compound,
 - Solid state Ionics
 - Solid state science
 - Inorganic Chemistry communication
 - International Journal of Hydrogen Energy.
 - Journal of Solid-State Chemistry,
 - Journal of Superconductivity and novel magnetism,
 - Journal of Magnetism and Magnetic materials,
 - Ceramic International,
 - Indian Journal of Physics.

- Journal of Material Science: Material's in Electronics,
- Martial Letters,
- Heliyon
- Physica -B.
- Radiation physics and chemistry

55. Duties/responsibilities assigned at the college:

1. Dean(research) K.L.E. P.C.Jabin College, Hubballi
2. Criteria III Convenior at NAAC, K.L.E. P.C.Jabin College, Hubballi
3. Member of Mentor mentee system in K.L.E. P.C.Jabin College, Hubballi
4. Research Cell Convenior at K.L.E. P.C.Jabin College, Hubballi
5. Admission committee member for the academic year 2021-22 and 2022-23. K.L.E. P.C.Jabin College, Hubballi

56. Sports and Hobbies : Cricket, Reading new research articles.

DECLARATION

Above given information is correct and true to the best of my knowledge.

Signature of Employee

Signature of HOD

Signature of Principal