

B. V. V. Sangha's
Basaveshwar Engineering College (Autonomous), Bagalkot
Department of Physics

Book:

- 1) Dr. S. U. Durgadsimi, R. P. Araganji, "Engineering Physics", EBPB Publications, Belgaum, 2015.

Journals:

1. Krishnamurthy Bhat, Bharati Meti, K. Chandrasekhar, "Planar Inter Digital Capacitive Sensor for Real time Transesterification Progress Monitoring of Karanja (Pongamia) Oil", Asian Journal of Convergence in Technology ISSN NO: 2350-1146 I.F-5.11 Volume VI Issue III, PP-39-47, 2020.
2. S. U. Durgadsimi, S. S. Chougule, R.G.Kharabe, S. N. Mathad and M. K. Rendale "Solid state Synthesis and Structural Features of $\text{Li}_{0.5}\text{Ni}_{0.75-x/2}\text{Zn}_{x/2}\text{Fe}_2\text{O}_4$ Ferrites", Int.J. Self Propagating High Temperature Synthesis, Vol.28, No.1, (2019), pp 71-73.
3. Sheela S Gandhad, Preeti M Patil, S N Mathad, Leena V Hublikar, P R Jeergal, S. U. Durgadsimi, R B Pujar " Structural, Williamson-Hall Plot and Size-strain Analysis of $\text{Mg}_x\text{Ni}_{1-x}\text{Al}_x\text{Fe}_{2-x}\text{O}_4$ Ferrites", Int.J.Adv.Sci.Eng.Vol.5 No.4,(2019), pp 1146-1153.
4. Krishnamurthy Bhat, Bharati Meti, K. Chandrasekhar, "Consolidation of available methods and design of a reliable physicochemical system for transesterification progress monitoring in biodiesel reaction chamber," International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol. 3, Issue 6, June 2016, Impact factor: 4.45, pp. 2334-2338.
5. Krishnamurthy Bhat, Bharati Meti, K. Chandrasekhar, "Automation technique for online transesterification process of biodiesel plant in India", International Journal of Bio-technology and Research (IJBTR), ISSN (O): 2249-796X; ISSN (P): 2249-6858, Volume 6, Issue 1, February 2016, pp. 13-18.
6. S. U. Durgadsimi, S. S. Chougule, and S. S. Bellad, "Electric and magnetoelectric properties of $\text{Li}_{0.5}\text{Ni}_{0.7}\text{Zn}_{0.05}\text{Fe}_2\text{O}_4 + \text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ Magnetoelectric composites" Applied Mechanics and Materials, vol 592-594(2014) 826-830
7. Shaila U. Durgadsimi, Umesh V. Durgadsimi, "Women Empowerment through Education" Golden Research Thoughts (GRT), (2014)

8. N R Patil, R M Melavanki, S B Kapatkar, K Chandrasekhar, N H Ayachit, Siva Umopathy, “ Solvent effect on the fluorescence quenching of biologically active carboxamide by aniline and carbon tetrachloride in different solvents using S-V plots”, *Journal of Luminescence*, Volume 132, issue 3, March 2012, Pages 558-565
9. N R Patil, R M Melavanki, S B Kapatkar, K Chandrasekhar, H D Patil, Siva Umopathy, Fluorescence quenching of biologically active carboxamide by aniline and carbon tetrachloride in different solvents using Stern-Volmer plots, *Spectrochimica Acta Part A : Molecular and Biomolecular Spectroscopy*, Volume 79, issue 5, September 2011, Pages 1985-1991
10. Durgadsimi, S.U, Chougule, S.S., Chougule, B.K., Bhosale, C.H. and Bellad, S.S. Dielectric and magnetoelectric properties of $y[\text{Li}_{0.5}\text{Ni}_{0.75-x/2}\text{Zn}_{x/2}\text{Fe}_2\text{O}_4]+(1-y)[\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3]$ ME composites. *Materials Chemistry and Physics*, 131(1-2),2011 pp.199-203
11. Durgadsimi, S.U., Chougule, S.S., Chougule, B.K. and Bellad, S.S. Structural, Electrical and Magnetic properties of $y[\text{Li}_{0.5}\text{Ni}_{0.75-x/2}\text{Zn}_{x/2}\text{Fe}_2\text{O}_4]+(1-y)\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ ME composites. *International Journal of Engineering Science and Technology(IJEST)*, 3,1(2011) pp.553-561
12. S. U. Durgadsimi, S. S. Chougule, B. K Chougule, C H Bhosale and S. S. Bellad, “Studies on Electrical properties of $y[\text{Li}_{0.5}\text{Ni}_{0.6}\text{Zn}_{0.15}\text{Fe}_2\text{O}_4]+(1-y)\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ Magneto electrical composites”, *International Journal of Engineering Science and Technology(IJEST)* , 3,2(2011) pp. 1446-1456.

Conferences:

1. Shaila U. Durgadsimi, V. R. Kattimani, Maruthi. N. S, S. N. Mathad, “Synthesis and Structural properties of nano nickel ferrite”, proceedings of sixth international conference (**online**) on “Advance in material science (ICAMS-2021) during 23-24 April 2021 organized by post-graduate department of physics Raja Ramarao Mahavidyala Jath. Page no 301.
2. Maruthi N.S and Shaila Umesh Durgadsimi, “Ac conductivity and Magneto electrical properties of $(y)\text{Li}_{0.5}\text{Ni}_{0.5}\text{Zn}_{0.05}\text{Fe}_2\text{O}_4+(1-4)\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ Magneto electrical composites”, proceedings of sixth international conference (**online**) on “Advance in material science (ICAMS-2021) during 23-24 April 2021 organized by post-graduate department of physics Raja Ramarao Mahavidyala Jath. Page no. 134
3. S S Bopardekar, K Chandrasekhar, N.R.Patil, “Synthesis, Structural and Optical Investigation of CdSe semiconductor Quantum Dots”, *ICOnAMMA_2018*.

4. S S Bopardekar, K Chandrasekhar, J G Ghantimath, N R Patil, "Novel route for Synthesis of Copper (II) Oxide Nanoparticles and Photoluminescence Properties" Second International Conference on Nanoscience and Engineering Applications, October 2018, Hyderabad.

Proceedings

1. R.G.Kharabe, Padma Rattu, Shaila U. Durgadsimi, "Synthesis and Characterization of Cu substituted Li-Ni ferrites", Proceedings ISBN: 978-93-5254-637-4MMDA 2016, Pages 142-148.
2. S. U. Durgadsimi, Y.F.Nadaf, S. S. Bellad, "Magnetic and Magnetoelectric Properties of LiNiZnFe₂O₄: BaSrTi₃O₃ composites", Proceedings ISBN: 978-93-5254-637-4MMDA - 2016, Pages 100-105.

Workshop Conducted

1. Hands on training on "Thin Film coating & Lithography techniques" sponsored under TEQIP-II, on 06-Nov, 2015 held at BEC, Bagalkot.
2. Amrita Virtual Lab an MHRD initiative under NME-ICT on 1st Feb. 2014, BEC Bagalkot.
3. "Composites and their applications" BEC, Bagalkot, 14-15 March 2014
4. "Recent advances in Thin Film Technology" sponsored under TEQIP-II, on 19-21-Dec. 2013 held at BEC, Bagalkot.
5. Workshop on "Robotics and Nanotechnology", BEC Bagalkot, 3-8, February 2009.
6. National Seminar on "Modern Sensors and their applications", BEC Bagalkot. 17-18 November 2006.