


PROFILE OF DR. L. R. NAIK

<p>Dr. L. R. Naik M.Sc., Ph.D. Senior Professor Department of Studies in Physics Karnatak University, Dharwad Date of Birth: 01-06-1963</p>	
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Teaching experience: 36 years (20 years in PG + 13 years in UG + 3 Years in PU)
Senior Professor from 01-02-2019 to till date (Karnatak University, Dharwad)
Professor from 01-02-2009 to 31-01-2019 (Karnatak University, Dharwad)
Associate Professor from 2006 to 2009 (Karnatak University, Dharwad)
Reader from 2003 to 2006 (Karnatak University, Dharwad)
Lecturer from 1990 to 2003 (J S S College, Dharwad)
Lecturer from 1987 to 1990 (S S P U Tumkur)

Administrative & Academic experience:

- (1) CHAIRMAN, Department of studies in Physics & Electronics, K U Dharwad from 18-07-2020 to 18-07-2022
- (2) REGISTRAR (Admin.) Akkamahadevi Women's University, Vijayapura from 04-10-2017 to 24-09-2018
- (3) REGISTRAR (Eval.) V S K University, Bellary from 09-12-2013 to 08-11-2016
- (4) REGISTRAR (Admin.) Vijayanagar Sri Krishnadevaraya University, Bellary from 25-03-2015 to 12-05-2015
- (5) Syndicate Member, A W University, Vijayapura (04-10-2017 to 24-09-2018)
- (6) Academic Council Member, A W University, Vijayapura (04-10-2017 to 24-09-2018)
- (7) Finance Committee Member, A W University, Vijayapura (04-10-2017 to 24-09-2018)
- (8) Chairman Purchase Committee, A W University, Vijayapura (04-10-2017 to 24-09-2018)
- (9) Syndicate Member, V S K University, Bellary (09-12-2013 to 08-11-2016)
- (10) Academic Council Member, V S K University, Bellary (09-12-2013 to 08-11-2016)
- (11) Finance Committee Member, V S K University Bellary (09-12-2013 to 08-11-2016)
- (12) Chairman Examination Review Committee, V S K U Bellary (09-12-13 to 08-11-16)
- (13) College Autonomous Committee member, V S K U Bellary (2014 to 2016)
- (14) Chairman Epsilon club Dept Physics K U Dharwad (2006 to 2012)
- (15) Member Faculty of Science and Technology, K U Dharwad
- (16) Chairman for M.Phil Course, K U Dharwad
- (17) Member Doctoral Committee, K U Dharwad
- (18) Expert Committee Members NEP State Syllabus (August 2021)
- (19) B O S Chairman Dept of Physics & Electronics, K U D from 18-07-2020 to 19-07-2022
- (20) B O S Chairman Dept of speech & hearing, K U D from 18-07-2021 to 19-07-2022
- (21) B O A E Chairman Dept of Physics & Electronics K U D 18-07-2020 to 19-07-2022

Other Services:

- (1) B O E member K P S C Bangalore from 2016-till date
- (2) Working President, National Banjara Professors Association of India from 2015-2018
- (3) Chaired as Session **Chairperson** in National / International Conferences/ Workshops
- (4) Life member to various organizations, NSRP, TSRP, Magnetic Society of India etc.

- (5) Attended the workshop on leadership development in higher education for university Administrators held at Pride plaza hotel, Aerocity, New Delhi in Feb 26-28, 2018, as Registrar, A W U Vijayapur.
- (6) B. O.A member of the Karnataka state / other state Universities
- (7) Chairman/ Member board of Studies to various Indian Universities
- (8) B. O. E Chairman/Member to various Indian Universities
- (9) Chaired as Session **Chairperson** in National / International Conferences/ Workshops
- (10) Working President Alumini Associataion Dept of Physics K U D from 18-07-2020 to 19-07-2022
- (11) B O E member R P S C Rajasthan from 2021
- (12) B O S Member P C Jabin College (Autonomus), Hubli
- (13) Secretary Alumini Associataion Dept of Physics K U D from 19-07-2022 to till date

Areas of Research:

- 1) **Laser Spectroscopy:** Steady-state and time resolved spectroscopic studies of laser / Organic compounds
- 2) **Materials Science:** Study of Mechanical, Dielectric, Electric and Magnetic Property of Ferrites/ ME composites
- 3) **Atomic/Nuclear Physics:** Interaction of radiations with matter (Inorganic/organic)

Research Projects:

S.No.	Title of the Project	Nature of project	Duration of project	Amount of grant (Rs)
1	Structure Dependent Electric and Magnetic Properties of $Ni_{0.95-x} Cd_x Cu_{0.05}Fe_2O_4 + BaTiO_3$ ME composites	Major Research Project, UGC New Delhi	2009-12	6,92,929/-

Research Guidance:

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|----------------------------|--------------------|--------------------|
| (a) Ph.D's Guided: | Awarded: 09 | Working: 05 |
| (b) M.Phil's Guided: | Awarded: 04 | Working: 00 |
| (c) M.Sc., Project Guided: | 120 | |

- Research Publications:** (a) In reputed journals **65**
 (b) In Conference Proceedings (National & International) **61**

Books Published: (Graduate & Under graduate level) **05**

Research Paper Reviewed: More than 30 (International/National)

CITATION: 1122, H-index: 20, i10-index: 30

Abroad Visits:

- (1) Department of Physics, National University, **SINGAPORE** (28th June to 5th July 2009)
- (2) **Jiangyin** University, **CHINA**, (26-27 Nov 2010)
- (3) Jiangsu University, Zhenjiang, Jiangsu Province, China, **ShangHaiHongQiao** and **Shanghai** of **P.R.China** (16-19 May 2013)

Awards/ Rewards/Recognition:

- (1) **"Dr.Abdul Kalam Life time Achievement National Award"** in the year **2016** for Outstanding excellence in the field of Administration, Research & Evaluation
- (2) **One among Top hundred (100) world's best Scientists, as recognized by International Biographical centre, Cambridge, England in the year 2010**
- (3) Bio-data appeared in Marquis **"Who's Who in the World"** Published by USA 2010
- (4) **Second Prize for Poster Presentation** for the research paper entitled **"Structural Studies of Nickel Zinc Nanoferrites"** in International Web-Conference on Advance

Nanostructured Materials for Energy Generation, Storage and Smart Applications
Organized by Dept of Physics Shardabai Pawar Mahila Arts, Commerce and Science
College, Shardanagar, Baramati. Pune University, Pune (09-10, Oct 2020)

- (5) Appreciation from Ministry of Finance Govt of India Central Board of Direct Taxes
in the “**Bronze**” category for the Assessment Year 2019- 2020.

Associations with the Institutions:

Sl.No.	Institutions	Sl.No.	Institutions
1	Magnetic Materials and Standards, NPL, New Delhi,	2	Dept of Physics, I.I.Sc, Bangalore
3	Radiation and Photochemistry Division, BARC, Mumbai	4	Organic Division II, IICT, Hyderabad
5	J N C A R Bangalore	6	I I T Mumbai
7	Dept of Physics, Shivaji University, Kolhapur	8	Dept of Physics, Mysore University, Mysore
9	Dept of Industrial Chemistry, Kuvempu University, Shimoga	10	Dept of Physics, Gulbarga University, Gulbarga
11	BITS Goa	12	Dept of Physics, Bangalore University, Bangalore
13	Dept of Physics, Mysore University, Mysore	14	Dept of Physics, Davangere University, Davangere
15	Dept of Physics, V S K University, Ballary	16	Dept of Physics, A W University, Vijayapur
17	Dept of Physics, Shivamoga University, Shivamoga	18	Dept of Physics, Rani Chennamma University, Belagavi

Research Guidance: Ph.D: 14

Sl.No	Names of the Research Candidate	Title of the Thesis (Ph.D)	Year of Registration	Year of Award
1	B. K. Bammannavar	Studies on Physical Properties of some ME composites	SC/06-07/21/101 11-11-2006	2010
2	Savita B Hosur	Interaction of low energy bremsstrahlung photons with matter	SC/06-07/48 11-11-2006	2010
3	Anil.B.Naik	Spectroscopic Studies of Some Organic Molecules	SC/06-07/14/52 11-11-2006	2013
4	P.B.Belavi	Structure Dependent Electric and Magnetic Properties of $Ni_{0.95-x}Cd_xCu_{0.05}Fe_2O_4+BaTiO_3$ ME Composites	SC/09-10/322 07-11-2009	2014
5	Geeta N Chavan	Studies on Electrical Properties and Magneto electric effects on Composites	SC/08-09/227 25-10-2008	2017
6	Pradeep Chavan	Multiferroic properties of some M E Composites	SC/13-14/79/547 12-12-2013	2018
7	Renuka Sali	Study of optical properties of organic dyes in polymers	SC/12-13/64/428 06-02-2013	2018
8	V. T. Muttannanavar	Fluorescence Spectroscopy of	SC/09-10/333	2019

		Some Organic Molecules/	07-11-2009	
9	Shweta G M	Synthesis, Characterization, Structural, Biological and Magnetic Properties of Some Ferrites	SC/13-14/79/550 12-12-2013	2022
10	Sheshadri	Study of Electrical and magnetic properties of some composites	SC/2018-19/ 1051 05-12-2018	Working
11	B.M.Bindushree	Studies on some Physical properties of some Ferrites	SC/2020-21/1224 06-04-2021	Working
12	Medha Deshpande	Study of Electric and Magnetic properties of some magnetic semiconductors	Ph.D/AMT/2022- 23/932/23-08-22	Working
13	Shivashankar Ganiger	Synthesis and characterization of some magnetic semiconductors	Ph.D/AMT/2022- 23/933/23-08-22	Working
14	Somashekar Hiremath	Study of Physical Properties of some magnetic semiconductors	Ph.D/AMT/2022- 23/929/23-08-22	Working

M.Phil. Guidance: 4

Sl.No	Names of the Research Candidate	Title of the Thesis (M.Phil)	Year of Registration	Year of Award
1	Dayanand S Lalasangi	Steady-State and time-resolved emission Studies of newly synthesized Anthrylacrylic Ester	2006	2008
2	Geeta N Chavan	Studies on Electrical Properties of Ni-Zn Ferrites	2007	2008
3	Rakhi M Nayak	Interaction of X-rays/Gamma rays with steroids	2008	2009
4	V. T. Muttannavar	Estimation of ground and excited state dipole moments of some Quinoline Derivatives	2007	2010

Publications: 65, CITATION: 1133, H-index: 20, i10-index: 30

Sl. No	Authors	Title	Name of Journal	Vol. & P.no.	Year	IF
1	G.M.Shweta, L.R.Naik R.B.Pujar S.N.Mathad	Influence of magnesium doping on structural and elastic parameters of Nickel Zinc nanoferrites	Materials Chem. & Physics	257 (123825)	2021	2.296
2	G.M.Shweta, L.R.Naik R.B.Pujar S.N.Mathad	Copper-doped Nickel Zinc Nanoferrites by solution-combustion synthesis: Structural and Elastic Parameters	Int. J. Self-Propagating High-Temp Synthesis	29 (4) 208-212	2020	0.79
3	G.M.Shweta, L.R.Naik R.B.Pujar S.N.Mathad	Cobalt-doped Nickel Zinc Nanoferrites by solution-combustion synthesis: Structural and Elastic Parameters	Int. J. Self-Propagating High-Temp Synthesis	29 (3) 157-161	2020	0.79
4	Pradeep Chavan, L.R. Naik, P.B. Belavi, Geeta Chavan V.T.Muttanavar B.k.Bammanavar R.K. Kotnala.	Temperature dependent electric properties and magnetoelectric effects in ferroelectric rich $Ni_{0.8}Mg_{0.2}Fe_2O_4 + BaZr_{0.2}Ti_{0.8}O_3$ magnetoelectric composites	J. Alloys & compounds	777, 1258-1264	2019	3.779

5	V.T.Muttannavar R. Melavanki, Kalpana Sharma, S.Vijayanthimala Vikas M.Shelar, S.S. Patil L.R.Naik	Effect of preferential solvation and bimolecular quenching reactions on 3OCE in acetonitrile and 1,4-dioxane binary mixtures by optical absorption and fluorescence studies	Wiley Lumin	3692, 1-9	2019	1.671
6	Pradeep Chavan, L.R. Naik	X-ray diffraction studies and dielectric properties of Ni doped Mg ferrites	Vaccum	152, 47-49	2018	0.561
7	Pradeep Chavan, L.R. Naik	Effect of Bi ³⁺ ions on the humidity sensitive properties of copper ferrite nano particles	Sensors & Actuators B. Chemical	272, 28-33	2018	2.067
8	V.T.Muttannavar R.M.Melavanki, K.Sharma, P.Bhavya, R.Kusanur, L.R.Naik	Effect of hydrogen bonding on fluorescence quenching of quinolin-8-OL analysis using negative Stern-Volmer plots	Int. J. of Life Science & Pharma Research	8(3), (L) 16-23	2018	5.667
9	V.T.Muttannavar R.M.Melavanki, P.Bhavya, R.Kusanur, N.R.Patil L.R.Naik	Non-linear optical properties study of two heterocyclic compounds	Int. J. of Life Science & Pharma Research	8(3), (L) 24-30	2018	5.667
10	V.T.Muttannavar, R.M.Melavanki, K.Sharma, P.Bhavya, R.Kusanur, N.R.Patil L.R.Naik	Steady state and time resolved methods of fluorescence quenching of heterocyclic compound in dioxane solvent using linear S-V plots	AIP Conf. Proc.	(9)1953 8000 (1-5)	2018	
11	P.Bhavya, R.M.Melavanki, R.Kusanur, K.Sharma, V.T.Muttannavar L.R.Naik	Effect of viscosity and dielectric constant variation on fractional fluorescence quenching analysis of Coumarin dye in binary mixtures	Wiley Lumin	3492, 1-8	2018	1.671
12	R.M.Melavanki, V.T.Muttannavar, S.Vaijyanthimala, N.R.Patil, L.R.Naik J.S.Kadadevarmath	Solvent effects on the dipole moments and Photophysical properties of laser dye	Ind. J. Pure & Applied Physics	56, 749-754	2018	0.582
13	P.Bhavya, R.M.Melavanki Varsha Koppal, V.T.Muttannavar L.R.Naik	Solvent effect on the Photophysical properties of Coumarin Dye	AIP Conf. Proc	1953 (22), 1-5	2018	
14	V.T.Muttannavar Pradeep Chavan Geeta Chavan P.B.Belavi L R Naik ,	Structural and Elastic Properties of Chromium Substituted Nickel Ferrites	Int. J. Pure & Applied Researches	2(1), 1-6	2018	
15	Pradeep Chavan, L R Naik , R K Kotnala	Study of electric, magnetic properties and improvements in ME effects of NMFO+BZT particulate composites.	J. Mag.& Mag Materials	433, 24-28	2017	3.046
16	Pradeep Chavan, L.R. Naik , P.B. Belavi, Geeta Chavan R.K. Kotnala.	Synthesis of Bi ³⁺ substituted Ni-Cu ferrites and study of structural, electrical and magnetic properties.	J. Alloys & Compds	694, 607-612	2017	3.779

17	Pradeep Chavan, L.R. Naik , Geeta.Chavan P.B. Belavi, R.K. Kotnala	Structural and magnetic properties of Nickel substituted Mg ferrites	Procedia engineering	215, 9-16	2017	0.783
18	Pradeep Chavan L.R. Naik , P.B.Belavi Geeta.Chavan C.K.Ramesha R.K. Kotnala	Studies on Electrical and Magnetic Properties of Mg-Substituted Nickel Ferrites.	J. Electric. Materials	46, 188-189	2017	1.579
19	Pradeep Chavan, L. R. Naik	Investigation of energy band gap and conduction mechanism of magnesium substituted nickel ferrite nano particles	Phys. Status solidi A	77, 1-5	2017	3.721
20	Pradeep Chavan, L. R. Naik	Structural and Magnetic Properties of NiFe ₂ O ₄ + BaZr _{0.2} Ti _{0.8} O ₃ ME Composites for Sensor Applications.	Journal of Advances in Sc& Tech.	12 (25), 330-333	2016	
21	Pradeep Chavan, L R Naik	Influence of Ni ²⁺ Ions on Structural, Electrical and Magnetic Properties of Magnesium Ferrosinels for Humidity Sensor Applications.	Int.J.Eng.& Sc.Research.	6(1), 29-42	2016	1.000
22	Pradeep Chavan, L R Naik	Synthesis and Characterization of Ni _{1-x} Mg _x Fe ₂ O ₄ Nanoferrites by Sucrose Method.	Eng.Science Int. Journal.	4(1), 55-57	2016	6.660
23	Shirajahammad M. Hunagund, Pradeep Chavan, Vani R. Desai, L.R. Naik , J.S. Kadadevarmath A.H. Sidarai.	Influence of Fe ³⁺ Ion Substitution on Thermal and Dielectric Properties of Titanium Dioxide.	Int. Letts of Chem, Phys and Astronomy.	67, 9-13	2016	7.023
24	Renuka Sali, L.R. Naik	FTIR and UV-Visible Studies in 5(6) Carboxyfluoresceine doped PMMA	Int. J. Modern Trends in Eng&research.	3(1), 1-6	2016	1.000
25	Renuka Sali, L. R. Naik Mohan S.	Effect of Doping Ratio on Optical Properties of 5(6) Carboxyfluorescein Doped Polystyrene films	Eng.Sci. Int. Research Journal.	4(1), 1-4	2016	4.342
26	Renuka Sali, L.R. Naik , Mohan S.	Optical and Microstructural Changes in 5(6)-Carboxy fluorescein Doped PVA	J. Polymer & Composites	4(3)	2016	4.07
27	Renuka Sali, L.R. Naik , Mohan S.	Optical and Fluorescence Study of Ethidium Bromide Doped Poly(Vinyl Alcohol)	Int. J. of Lumi. & Applications	5(1), 131-133	2015	0.461
28	Pradeep Chavan, L R Naik	Synthesis & Characterization of Ni-Cd-Cu Ferrites	J. Shivaji Uni (Sc&Tech)	41(2), 1-2	2014	
29	Pradeep Chavan, L R Naik	Electrical behaviour of (Y) Cd _{1-x} Ni _x Fe ₂ O ₄ (1-Y) BaZr _{0.2} Ti _{0.8} O ₃ composites	Int. J. of Scientific & Eng Research	5(12), 1171-1175	2014	1.100

30	Pradeep Chavan, L R Naik	Structural and elastic properties of $Cd_{1-x}Ni_xFe_2O_4$ ferrites	Physics of Semiconduct or devices	659-662	2014	4.02
31	P.B.Belavi, L.R.Naik, R.K.Kotnala, V.L.Mathe	Structural, Electrical & Magnetic Properties of NCCF+BTO ME Composites	Int. J. of Scientific & Eng. Research	4(12), 43-53	2013	0.672
32	Geeta N Chavan, P.B.Belavi, L.R.Naik , B K Bammannavar K P Ramesh	Electrical and Magnetic Properties of Nickel substituted Cadmium ferrites	Int. J. of Scientific Tech. Research	2(12), 82-89	2013	4.02
33	P.B.Belavi, Geeta Chavan, L.R.Naik , V.L.Mathe, R.K.Kotnala	Resistivity & Grain size dependent magnetoelectric effect in (Y) $Ni_{0.85}Cd_{0.1}Cu_{0.05}Fe_2O_4 + (1-Y) BaTiO_3$ ME Composites	Int. J. of Scientific Tech. Research	2(12), 298-306	2013	4.02
34	Savita. B. Hosur, L. R. Naik N. M. Badiger	Study of real part (f') of anomalous scattering factors for the elements of atomic number from Z = 64 to 73 using HPGe detector	European Physics Journal Plus.	128 (5), 50	2013	3.023
35	Anil. B. Naik, L. R. Naik , V. Jayathirtha Rao Haridas Pal	Steady-state and time-resolved fluorescence studies of Anthrylacrylic ester	Open J. of Physical Chem	2 (4), 212-230	2012	2.24
36	P.B. Belavi, L.R. Naik , G.N. Chavan	Multiferroic properties of (y) $Ni_{0.65}Cd_3Cu_{0.05}Fe_2O_4 + (1-y) BaTiO_3$ particulate Composites	AIP Conf. Proc.	1447 (1) 1127-1128	2012	
37	P. B. Belavi, G. N. Chavan, L. R. Naik R.K. Kotnala	Grain size dependent dielectric & magnetic properties of (Y)NCCF + (1-Y) BTO Particulate composites	Int. J. of Nanoscience	11 (3), 1240007	2012	2.51
38	P. B. Belavi, G. N. Chavan, L. R. Naik , R. Somashekar R. K. Kotnala	Structural, electrical and magnetic properties of cadmium substituted nickel-copper ferrites	Materials Chem. & Physics	132 (1), 138-144	2012	2.296
39	B.K.Bammannavar L. R. Naik	Study of Magnetic properties and magnetoelectric effect in (x) $Ni_{0.5}Zn_{0.5}Fe_2O_4 + (1-x) PZT$ composites	J. of Mag.& Mag. Materials	324(6), 944-948	2012	3.046
40	P.B. Belavi, G.N. Chavan, B.K.Bammannavar, L.R. Naik R.K. Kotnala	Magnetic properties of Cd substituted Ni-Cu ferrites	AIP Conf. Proc.	1349, 1249-1250	2011	2.12
41	B.K.Bammannavar L. R. Naik R..K. Kotnala	Study of electrical properties and magnetoelectric effect in $Ni_{0.2}Co_{0.8}Fe_2O_4 + PbZr_{0.8}Ti_{0.2}O_3$ particulate composites	Smart Materials & Structures	20 (4), 045005	2011	2.963

42	Savita. B. Hosur, L. R. Naik N. M. Badiger	Study of the K shell photoelectric parameters of Dy, Yb and W atoms using low energy bremsstrahlung radiation	European Physics J. D	62 (2), 155-161	2011	1.393
43	B.K.Bammanavar, L. R. Naik	Ferroelectrics-Characterization & Modeling (Chapter14: The Ferroelectric Dependent Magnetolectricity in Composites)	InTech	455, 265-280	2011	
44	Anil. B. Naik, L. R. Naik , J.S.Kadadevarmath, Haridas Pal V. Jayathirtha Rao	Fluorescence quenching of Anthrylvinyl acetate by carbon tetra chloride	J. of Ph.chem. Ph.bio. A:Chem	214(2-3) 145-51	2010	2.891
45	D. S. Lamani; K.R. V. Reddy H.S. Bhojya Naik K.S.R.Pai, S.Fasiulla, H.R. Prakash Naik L. R. Naik	Synthesis, Antitumor, and DNA binding behavior of novel 4-(2-hydroxyquinolin-3-YL)- 6- Phenyl- 5,6 Dihydropyrimidine derivatives in aqueous medium	Nucleosides, Nucleotides and Nuclei Acids	29(8), 591-605	2010	0.831
46	D. S. Lamani; K.R. V. Reddy H.S. BhojyaNaik H.R.PrakashNaik, L. R. Naik	Synthesis, Characterization and DNA Binding studies of S ₂ N ₂ donor Bis Mercapto quinoline Co(II) and Ni(II) Metal Complexes: A New Class of Antimicrobial Agent	Phosphorus, Sulfur and Silicon	185 (3), 550-558	2010	0.832
47	D. S. Lamani; K.R. V. Reddy H.S. BhojyaNaik H.R.PrakashNaik, L. R. Naik	An efficient carbodiimide-mediated synthesis and DNA-binding studies of novel 2- chloro/mercapto-quinoline-fused 1,3-thiazolidinones via one-pot three-component condensation	J. Sulphur Chemistry	31(1), 49-59	2010	1.320
48	B.K.Bammanavar G. N. Chavan L. R. Naik B. K. Chougule	Magnetic properties and magnetolectric (ME) effect in ferroelectric rich Ni _{0.2} Co _{0.8} Fe ₂ O ₄ + Pb Zr _{0.2} Ti _{0.8} O ₃ ME composites	Materials Chemistry & Physics	117 (1), 46-50	2009	2.296
49	B.K.Bammanavar, L. R. Naik	Electrical properties and magnetolectric effect in (x) Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ + (1-x) BPZT Composites	Smart Materials & Structures	18(8), 085013	2009	2.963
50	L. R. Naik Anil. B. Naik, Haridas Pal	Steady-state and time-resolved emission studies of Thioflavin-T	J.Photochem PhotobioA: Chem	204 (2-3), 161-167	2009	2.891
51	Savita. B. Hosur, L. R. Naik N. M. Badiger	Determination of the anomalous scattering factors of high Z atoms using bremsstrahlung radiation	J. of Physics B: At.Mol. Opt. Phys.	42(3), 035002	2009	2.119
52	B.K.Bammanavar, L. R. Naik R. B. Pujar B. K. Chougule	Resistivity dependent magnetolectric characterization of Ni _{0.2} Co _{0.8} Fe ₂ O ₄ +Ba _{0.8} Pb _{0.2} Zr _{0.8} Ti _{0.2} O ₃ composites	J. Alloys and Compounds	477 (1-2), L4-L7	2009	3.779

53	B.K.Bammannavar, L. R. Naik	Magnetic properties and magneto electric effect in ferroelectric rich Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ + BPZT ME composites	J. magnetism & Magnetic Materials	321(5), 382-387	2009	3.046
54	Savita. B. Hosur, L. R. Naik N. M. Badiger	Determination of real part of the anomalous scattering factor of Hf and Ta atoms using HPGe Detector	Proce. DAE-BRNS Symp. Nu&radchem		2009	
55	B.K.Bammannavar, L. R. Naik B. K. Chougule	Studies on dielectric and magnetic properties of (x) Ni _{0.2} Co _{0.8} Fe ₂ O ₄ + (1-x) BPZT magneto-electric composites	J. Applied Physics	104 (6), 064123	2008	2.176
56	B.K.Bammannavar, L. R. Naik R. B. Pujar B. K. Chougule	Influence of time and temperature on resistivity and microstructure of Cu _x Co _{1-x} Fe ₂ O ₄ mixed ferrites	Progress in Electromagnetic Research Letters	4, 121-129	2008	2.871
57	Savita. B. Hosur, N. M. Badiger L. R. Naik	Determination of the K shell oscillator strengths and the imaginary form factors of atoms using a weak beta source	J. Physics B: At.Mol. Opt. Phys	41(9), 095003	2008	2.119
58	B.K.Bammannavar, L. R. Naik R. B. Pujar	Synthesis of Ni-Cu-Zn nano-ferrites: Study of structure dependent electric and magnetic properties	Materials Sc. an Indian J	4 (3), 160-165	2008	0.543
59	B.K.Bammannavar, L. R. Naik R. B. Pujar B. K. Chougule	Preparation and characterization and physical properties of Mg-Zn ferrites	Indian J. Of Eng. & Materials Sc.	14, 381-385	2007	0.51
60	L. R. Naik N. N. Math	Effect of solvent on dipole moment of 6-methoxy quinoline	K U. Journal of Sc.	47, 15-28	2006	
61	N.N.Math L. R. Naik H.M.Suresh S.R.Inamdar	Dual fluorescence and laser emissions from fluorescein-Na and Eosin-B	J. Luminesc	121(2), 475-487	2006	3.21
62	K. Chandrasekhar L. R. Naik, H.M.Suresh Kumar N.N.Math	Steady state absorption and fluorescence study: dipole moments of coumarins (C 138 & C 339)	Ind. J. Pure & Applied Phys	44, 292-299	2006	0.582
63	L. R. Naik H.M.Suresh Kumar S.R. Inamdar N.N. Math	Steady state and time-resolved emission studies of 6-methoxy quinoline	J. Spectro. Letts	38 (4-5), 645-659	2005	2.732
64	L. R. Naik N. N. Math	Photo physical properties of 8-hydroxy quinoline	Ind.J. Pure & Applied Physics	43, 743-749	2005	0.582
65	L. R. Naik N. N. Math	Estimation of ground and excited state dipole moments of coumarin-450 by solvato chromic shift method	J. Photosc.	12(2), 57-61	2005	0.896

I. National Conferences: 26

S. No.	Date	Title of Conference or Institution	Title/Subject of presentation
1	March,6-7, 2020	National conference on Emerging Trends in Chemical and Material Sciences (ETCMS-2020) held at Department of Chemistry, Shivaji	Synthesis and characterization of Copper doped Nickel Zinc Nanoferrites

		University, Kolhapur	
2	March, 2-4, 2017	12 th National symposium on radiation and photochemistry (NSRP-2017) held at Manipal University, Manipal, Karnataka	Quenching mechanisms of 3-(methylthio) phenyl boronic acid in polar and non-polar solvent of acetonitrile and 1,4 dioxane
3	Aug, 18-19, 2017	NCAMR-2017 held in Ramaiah University of Applied Sciences, Bangalore	Effect of hydrogen bonding and solvent polarity on the fluorescence quenching and dipole moment of 2-methoxypyridin-3-yl-3-boronic acid
4	Sept, 15-17, 2016	12 th Karnataka Science Congress-2016” organized by Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar, Karnataka from (Bhaskariyam-04).	Study of Dielectric Properties and Conduction Behavior of Bi doped Copper Nanoferrites.
5	Feb, 20-21, 2015	UGC sponsored “Two day national seminar on Advances in Soft Matter and Low Dimensional Materials” held at P C Jabin Sc. College, Hubballi,	Structural and Electrical properties of Ni-Zn Ferrites.
6	Oct, 8-10, 2011	National Conference on Recent Trends in Materials Science (RTMS-2011) held at Dept of Physics. Jaypee University of information Technology Waknaght, Solan-34, H.P.(P-20).	Structural&Elastic Properties of Ni _{0.95-x} Cd _x Cu _{0.05} Fe ₂ O ₄ Ferrites
7	Oct, 8-10, 2011	National Conference on Recent Trends in Materials Science (RTMS-2011) held at Dept of Physics. Jaypee University of information Technology Waknaght, Solan-34, H.P.(P-20).	Electric and magnetic properties of Ni-Co/Ni-Zn Ferrites
8	Oct, 8-10, 2011	National Conference on Recent Trends in Materials Science (RTMS-2011) held at Dept of Physics. Jaypee University of information Technology Waknaght, Solan-34, H.P.(P-20).	Electric properties of Nickel substituted cadmium ferrites
9	Feb, 22-25, 2011	XVIII th DAE-BRNS Symposium on Atomic, Molecular and Optical Physics held at Dept of Physics K.U. Dharwad in association with Indian Society for Atomic and Molecular Physics, BARC Mumbai.	Study of anomalous scattering factors of W and Pb elements using low energy bremsstrahlung photons.
10	Feb, 22-25, 2011	XVIII th DAE-BRNS Symposium on Atomic, Molecular and Optical Physics held at Dept of Physics K.U. Dharwad in association with Indian Society for Atomic and Molecular Physics, BARC Mumbai.	Steady-state and time-resolved emission studies of Anthrylvinyl acetate
11	Dec, 26-30, 2010	55 th DAE Solid State Physics Symposium 2010 (SSPS-2010) held at Manipal Uni. Manipal (L21)	Magnetic Properties of Cd Substituted Ni-Cu Ferrites
12	Nov, 19-21, 2009	18 th National Symposium on Radiation Physics (NSRP-18) held at Department of Physics, University College of Science, M.L. Sukhadia University, Udaipur Rajasthan, India	Anomalous scattering factors for tungsten and lead atoms using low energy bremsstrahlung photons
13	Jan, 7-10, 2009	National Laser Symposium (NLS-8) held at Laser Sc. & Technology Centre, (Lastec) Delhi (SA8-006).	Steady-state fluorescence quenching of a Laser dye by ccl ₄
14	Oct, 21-23, 2008	Magnetic Materials and their Applications for 21 st Century [MMA-21] held at National Physical Laboratory New Delhi	Magnetic properties of ferroelectric rich Ni _{0.5} Cu _{0.5} Fe ₂ O ₄ +BPZT ME composites
15	Jan, 07-10, 2009	Nuclear and Radiochemistry (NUCAR-2009) held at SVKM'S Mithibai College, Ville Parle, Mumbai.	Determination of real part of the anomalous scattering factor of Hf and Ta atoms using HPGc detector
16	Jan, 29-	National symposium on radiation and	Solvent and concentration effects on

	31, 2007	photochemistry held at National Centre for Ultrafast Processes Uni. of Madras Chennai-13	photophysical properties of Thioflavin-T
17	Feb, 2007	National conference on smart materials and recent Technologies (SMART 2007) held at Dept of Physics, S. V. University, Tirupathi	Effect of Porosity on magnetic and electrical properties of Mg-Zn nano ferrites.
18	Jan,29-31, 2007	National conference on current Trends in materials research for advanced Technology (NCMRAT 2007) held at Dept of Physics, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	The structure dependent physical properties of some nanoferrites
19	Jan, 23-25, 2006.	National Seminar on "Materials for advanced Technologies" (NASMAT-2006), Dept of Physics, Shivaji University Kolhapur	X-ray diffraction and Infra red studies of Mg-Zn Ferrites by chemical route
20	Jan, 17-19, 2005	National symposium on radiation and photochemistry held at Karnatak University Dharwad (PC-8).	Dual laser and fluorescence emissions from fluorescein-Na and Eosin-B
21	Jan, 17-19, 2005	National symposium on radiation and photochemistry held at K U Dharwad (PC-28).	Excited state dipole moment of new indole derivatives by solvatochromic shift method
22	Dec, 22-24, 2003	National Laser Symposium-2003 held at I I T Kharagpur (P-59).	Study of fluorescence quenching of new Indole derivatives in different solvents aniline
23	Dec, 15-17, 1999	National Laser symposium 99) held at Hyderabad University, School of Physics Hyderabad (P-289).	Picosecond reorientational dynamics of 6-methoxy quinoline in different solvents and binary aqueous mixture.
24	Feb,15-17, 1999	National symposium on radiation and photochemistry held at Sambalpur University Jyoti-Vihar, Orissa.	Steady state and time resolved emission studies of 6-methoxy quinoline in various solvents.
25	Jan,8-10, 1997	National symposium on radiation and photochemistry held at Vishakapatnam (PP-39).	Effect of solvents on the electronic transitions of 6-methoxy quinoline.
26	Jan,17-19, 1996	National Laser symposium 96 held at BARC Mumbai.	Triplet-Singlet energy transfer in glassy medium of C102-Rh 101

II. International Conferences: 35

S. No.	Date	Title of Conference or Institution	Title/Subject of presentation
1	March, 2-4, 2023	International Conference on Advances in Materials Science and Chemistry (AMSC-2023) organized by Dept of Chemistry Gogte Institute of Technology Belgaum	Role of Aluminium doping on Physical properties of Lithium-Magnesium Nanoferrites
2	March, 2-4, 2023	International Conference on Advances in Materials Science and Chemistry (AMSC-2023) organized by Dept of Chemistry Gogte Institute of Technology Belgaum	Synthesis and structural Characterization of Lithium doped Ni-Bi ferrites
3	March, 2-4, 2023	International Conference on Advances in Materials Science and Chemistry (AMSC-2023) organized by Dept of Chemistry Gogte Institute of Technology Belgaum	Synthesis and structural Characterization of Copper doped Nickel-Cobalt ferrites
4	March, 2-4, 2023	International Conference on Advances in Materials Science and Chemistry (AMSC-2023) organized by Dept of Chemistry Gogte Institute of Technology Belgaum	Magnetic Properties of Aluminium doped Nickel-Cobalt-Zinc ferrites
5	Oct ,9-10, 2020	Interantional Web-Conference on "Advanced Nanostructured Materials for Energy Generation, Storage and Smart Applications" organized Dept of Physics Shardabai Pawar Mahila Arts, Commerce &	Structural Studies of Nickel Zinc Nanoferrites

		Science College, Shardanagar, Baramati, Pune University,	
6	Jan ,3 -7, 2018	Trombay Symposium on radiation and photochemistry (TSRP 2018) BARC Mumbai	Theoretical estimation of ground and excite state dipole moments of Coumarin dyes using DFT
7	Jan, 3 -7, 2018	Trombay Symposium on radiation and photochemistry (TSRP 2018) BARC Mumbai	Studies of solvent polarity on fluorescence quenching of 2MPA in binary mixture
8	Jan, 2-7, 2017.	104 th Indian Science Congress-2017 organized by Sri Venkateshwar University Tirupati, Andra Pradesh	Synthesis and Characterization of Mg Substituted Ni-Cu Ferrite Nanoparticles via Combustion technique.
9	Nov, 4-5, 2016.	International Conference on Advances in Nanomaterials and Nanotechnology (ICANN-2016) organized by Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia (A central uni, New Delhi)	Spectroscopic studies of Cu substituted Ni-Mg ferrite nanoparticles synthesized by solution combustion route.
10	Jan, 28-30, 2016	International Conference on Materials Science and Ionizing Radiation Safety and Awareness organized by Dept. of physics, Shivaji University, Kolhapur	Study of dispersion behavior and AC conductivity measurement of nickel substituted Magnesium ferrite semiconductors.
11	Jan, 28-30, 2016	International Conference on Materials Science and Ionizing Radiation Safety and Awareness organized by Dept. of physics, Shivaji University, Kolhapur	Thermal and Elastic Properties for Fe ₂ O ₃ Doped TiO ₂ Nano powder.
12	Jan, 28-30, 2016	International Conference on Materials Science and Ionizing Radiation Safety and Awareness organized by Dept. of physics, Shivaji University, Kolhapur	Optical studies in 5(6) Carboxy fluorescein doped PMMA.
13	Jan, 28-30, 2016	International Conference on Materials Science and Ionizing Radiation Safety and Awareness organized by Dept. of physics, Shivaji University, Kolhapur	Synthesis, characterization and magnetic properties of Mn substituted Ni-Cu ferrites
14	March, 03-05, 2016	International conference on mathematics, physics and allied sciences 2016 (ICMPAS-2016)" organized by Carmel college, Nuvem, Goa (P169A).	Synthesis and Characterization of Ni _{1-x} Mg _x Fe ₂ O ₄ Nano ferrites by Sucrose Method.
15	March, 03-05, 2016	International conference on mathematics, physics and allied sciences 2016 (ICMPAS-2016)" organized by Carmel college, Nuvem, Goa (P169A).	Effect of Doping Ratio on Optical Properties of 5(6) Carboxyfluorescein Doped Polystyrene films.
16	Oct, 8-9, 2016	International conference on Recent innovations in Engineering (ICRIE-2016)" Organized by Hirasugar Institute of Technology, Nidasoshi, Belagavi (ICRIE-MECH-4)	Structural and Magnetic Properties of NiFe ₂ O ₄ + BaZr _{0.2} Ti _{0.8} O ₃ ME composites for Sensor Applications.
17	Dec,01-03, 2016	International Symposium on Solid State Chemistry (ISSC-2016)" organized by International Centre for Advanced materials at Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore	Synthesis, Characterization and Optical Properties of Bismuth Substituted Cu Ferrite Nanoparticles.
18	Feb, 9-10, 2015	International conference on Luminescence and Its Applications (ICLA-2015), by PES University, Bangalore, India.	Optical and Fluorescence Study of Ethidium Bromide Doped Poly(Vinyl Alcohol).
19	March,9-11, 2015	International conference on Functional Materials @ Nanoscale: Concerns and Challenges (ICFMNCC-2015) Organized by Dept. of Physics, Chemistry & Electronics, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur, Dist- Solapur (M.S)-India.	Optical Properties of Ethidium Bromide Doped Poly (Vinyl Alcohol).
20	March,11-14, 2015	4 th international conference on current developments in atomic, molecular optical and nanophysics with applications(CDAMOP-2015) held at Dept. of Physics,	Electrical and Magnetic Properties of Bi ³⁺ doped Ni-Cu ferrite Nanoparticles.

		Delhi University, Delhi	
21	Oct, 28-31, 2015	International Conference on Direct Digital Manufacturing and Polymers(ICDDMAP) Organized by Dept. of Chemistry, K. U. Dharwad	Optical studies on dye doped poly (vinyl alcohol)..
22	Dec,14-17, 2015	International Conference on Nanoscience, Nanotechnology & Advanced Materials” organized by department of chemistry, GITAM Uni, Visakhapatnam-530045, Andra Pradesh (NANOS-2015)	Structural and Elastic Properties of Bismuth substituted Ni-Cu Ferrites.
23	May,16-19, 2013	2 nd International Congress on Advanced Materials 2013 (AM-2013) Jiangu. China	Study of magnetic properties and grain size dependent M.E effect in (y) Ni _{0.85} Cd _{0.1} Cu _{0.05} Fe ₂ O ₄ + (1-y) BaTiO ₃ ME composites
24	Feb,18-21, 2013	4 th International Conference on Recent Advances in Composite Materials (ICRACM – 2013) held at International Centre Goa,	Electrical properties of novel ceramic (X) NZF + (1-X) PZT ME Composites
25	Feb,18-21, 2013	4 th International Conference on Recent Advances in Composite Materials (ICRACM – 2013) held at International Centre Goa,	Study of dielectric properties & effect of resistivity on M.E.effect in (y) Ni _{0.75} Cd _{0.05} Fe ₂ O ₄ + (1-y) BaTiO ₃ ME composites
26	Jan, 17-19, 2012	1 st International Conference on physics of materials and materials based device Fabrication (ICPM-MDF-2012) held at Dept of Physics Shivaji Uni. Kolhapur (Maharashtra)	Synthesis and characterization of Ni-Cd-Cu ferrites
27	Dec,19-23, 2011	56 th DAE Solid state Physics Symposium SRM Uni. Kattankulathur (T.N), Sponsored by BRNS Dept of Atomic Energy G.I.	Multiferroic properties of (y) Ni _{0.05} Cd _{0.3} Cu _{0.05} Fe ₂ O ₄ +(1-y) BaTiO ₃ particulate composites
28	Jan, 11-13, 2011	International Conference on Nanoscience and Nanotechnology (ICNN-2011) held on Swami Ramanand teerth Marathwada University, Nanded (MH)P-39	Magnetic and electric properties of nickel substituted cadmium ferrite
29	Dec,17-19 2010	International Conferences on Nanoscience, Nanotechnology & Advanced Materials (NANOS-2010) held at GITAM Uni. Rushikonda, Visakhapatnam	Grain size dependent dielectric and magnetic properties of (y) NCCF + (1-y) BTO particulate composites
30	June 28 th to 3 rd July 2009	International Conference on Materials for Advanced Techniques held at Singapore University, Singapore (ICMAT 2009)	Magnetic Properties and M.E. effect Measurement at room temperature in (x)Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ + (1-x) PZT Composites
31	June 28 th to 3 rd July 2009	International Conference on Materials for Advanced Techniques held at Singapore University, Singapore ICMAT 2009).	Electrical properties and M.E. effect in Ni _{0.2} Co _{0.8} Fe ₂ O ₄ + PbZr _{0.8} Ti _{0.2} O ₃ particulate composites
32	Jan, 7-11 , 2008	T.S.R.P held at Yashwantrao Chavan Academy of Development Administration Rajbhavan Complex, Baner Road, Pune-7	Steady-state and time-resolved emission studies of Thioflavin-T
33	Nov,15-17, 2007	International conference on Advanced Materials and for Applications (ICAMA-2007) held at Department of Physics, Shivaji Uni. Kolhapur Maharashtra state, India (P-17)	Synthesis of Ni-Cu-Zn nano-ferrites: Study of Structure dependent electric and magnetic properties
34	Jan, 5-9, 2006	Trombay symposium on radiation and photochemistry held at BARC Mumbai (TSRP-2006).	Effect of solvent on dipole moments of 6-methoxy quinoline and 7-methyl quinoline
35	Aug, 2-5, 2006	Progress in Electromagnetic research International Symposium (PIERS 2006) Tokyo Japan (Session 3P6).	Effect of Porosity on magnetic and electrical properties of Mg-Zn ferrites.