

# PERSONAL PROFILE



1. **Name:** Dr. Ravindra Kharabe
2. **Designation:** Associate Professor
3. **DOB:** 20<sup>th</sup> December 1964
4. **Area of specialization:** Nuclear Physics at PG(1988)and in Material science at Ph.D[2001]
5. a. **Teaching Experience:** 3yrs (Temporary) and 29yrs (Permanent)

**b. Research Experience:**

- I. **PhD:** Structural, Electrical and Magnetic properties of Li-Ni-Cd mixed Ferrites ( Shivaji University Kolhapur) - 2001

**II. PUBLICATIONS:**

**Papers i. In Peer Reviewed Journals**

**National: 01      International: 09**

**ii. Paper published with ISBN**

**in International proceedings: 03 & in National proceedings: 09**

**iii. Papers presented in International conference: 05**

**Papers presented in national conference: 12**

**iv. No of International conference / National conference / Workshops attended: 37**

**v. Minor Research Projects (completed): 02**

**vi. VGST Research projects (completed): 01**

**Vii.Procurred UGC Grant under FIP Scheme and UGC Travel Grant for participating and Presenting research paper at International Conference held at Suntec,Singapore**

**6. Innovations in Teaching**

- i. PPT Presentation, OHP method, Document camera method.
- ii. Guided students to participate in Seminar/ Conference/Workshop Science Exhibition and Project (Topics: Nano Technology, Non conventional Energy sources & Applications)
- iii. Principal Investigator of VGST (SPICE) project

- iv. Teaching with current issues/real life experiences
- v. Use of latest equipments in the Dept to deal with specific chapter
- vi. Laboratory Expts: Prepared B.Sc-I,II Lab manuals and SOP Charts
- Vii Lab In charge: Bsc-I, II and Research laboratory
- vii. Evaluation Methods: Valuating Test papers, Practical Exam papers, RCU Belagavi  
Central valuation work -Moderator
- viii. Preparation of resource material including books, reading materials etc
- ix. Editor of Proceedings of National Conference and published with ISBN Number
- x. Remedial coaching/ Student counseling cell member conducting counseling regularly

#### **7. Extension Work:/Community Services:**

- Participated in Antiterrorism rally
- Participated in Swatch Bharat Abhiyan
- Associated with the community work through NSS activities Member of NSS Advisory committee
- Organized Blood Donation, Blood Testing Eye check up, Free Health check up Camps.
- Contributed donations to Flood Relief fund.

#### **8. Contribution to College**

##### **A) Curricular**

- Vice – Principal
- Coordinator of Science Faculty
- Coordinator of National Workshops and Students National Seminar
- Organizing Secretary of National Conference
- Worked as chief supt & Internal Examiner of RCU Belagavi.
- Worked as a Convener & Member in Examination committee, Sports committee, Discipline committee, Attendance committee, UGC committee, and Research Cell
- Convener of NAAC Criteria.
- Co-ordinator for Certificate Course-Mobile Repairing

**B) Co- Curricular:** Vice-President of Associations & Chairman Athletic committee.

##### **C) Enrichment of Campus Life:**

- Member of Ant ragging committee

- Member of Health Club
- Conducted Certificate Course in Yoga Science.
- Distributed KLE Hospital Health cards to students
- Participated in Tree Plantation Programs
- Member of Green Audits Committee
  - i. Established rain harvesting unit
  - ii. Established Bore well Recharge unit
  - iii. Installation of Solar Street Lamps
  - iv. Fire Extinguisher unit
  - v. RO Unit Drinking Water

9) **Professional Organization of Teachers:**

- i. Membership of a) Physics Teachers Forum
  - b) RUCTA Belagavi.

## **RESEARCH EXPERIENCE**

<b>Sl. No.</b>	<b>Title of the Work</b>	<b>No.</b>	
<b>01.</b>	<b>Research Papers in Peer Reviewed Journals International</b>	<b>10</b>	<b>List Enclosed.</b>
<b>02.</b>	<b>Research Papers in International Conference Proceedings with ISBN</b>	<b>03</b>	<b>List Enclosed.</b>
<b>03.</b>	<b>Research Papers in National Conference Proceedings with ISBN</b>	<b>09</b>	<b>List Enclosed</b>
<b>4</b>	<b>Research Papers Presented in International Conference</b>	<b>05</b>	<b>List Enclosed</b>
<b>5</b>	<b>Research Papers Presented in National Conference</b>	<b>12</b>	<b>List Enclosed</b>
<b>6</b>	<b>Workshop/Symposia/National Conferences Attended</b>	<b>37</b>	
<b>7</b>	<b>Minor Research Projects</b>	<b>02</b>	
<b>8</b>	<b>VGST Project</b>	<b>01</b>	

## List of Research Publications

2001-2019

### **I. Research Papers Published in Peer Reviewed Journals**

Sl. No	Title	Name of the Publisher	Name of the Journal	ISBN/ ISSN No.	I.F
1	Magnetic properties of mixed Li-Ni-Cd Ferrites.	Elsevier	Materials Chemistry & Physics	ISSN-0254-0584 [2001]	2.210
2	“Microstructure & Initial permeability of Cd-substituted Li-Ni Ferrites	Springer + Business Media	Indian Journal Of Physics	ISSN 0973-1458 [2005]	0.988
3	Dielectric Properties of mixed Li-Ni-Cd Ferrites	IOP Publishing	Smart Mater. Struct	ISSN:1361-665X [2006]	2.963
4	Structural & electrical properties of Cd-Substituted Li-Ni Ferrites	Elsevier	Journal Of Alloys And Compounds	ISSN 0925-8388 [2008]	3.779
5	‘Synthesis characterization and Magnetic properties of Zn substituted Li-Ni Nano Ferrites’	American Scientific Publishers	J. of Nano science and Nano technology Vol. 10, 1-4	ISSN;1533-4880 [2010]	1.354
6	“Synthesis and Characterization of Nano crystalline- Li- Ni- ed Nano ferrites	Sciendoc	ACTA CHEMICA	ISSN:2067-2446 [2018]	0.5
7	Microwave Irradiation Synthesis of silver Nano particles using leaf and fruit extract	A R Research Publication	International Journal of Advance Research in Science and Engineering Vol-1	ISSN:2319-8354 [2018]	6.1
8	Technological Advancement and Indian Farmers	Arhat Publications	Arhat Journal	ISSN 2278-5655 [2019]	5.18
9	Solid State Synthesis and Structural Features of $\text{Li}_{0.5}\text{Ni}_{0.75-x}/2\text{Zn}_x/2\text{Fe}_2\text{O}_4$	Pleades Publishing Springer Link	International J of Self Propagating High Temperature Synthesis Vol.28 issue 1	ISSN 1061-3862 [2019]	0.6666

10	"Youth Festival:Role,Importance and Skill Development"	?	Aayushi International Interdisciplinary Journal	ISSN No. 2349-638x [2019]	5.707
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## ***II. Research Papers Published with ISBN in Inter-National Proceedings***

### **1. 'Trends in Globalization of Business and Management Education'**

**R. G. Kharabe** and Dr. M. B. Kothale

ISBN: 978-81-930758-0-7 [2014]

### **2. Challenges and Opportunities in Fuel Cell Technology**

V.N.Chougule and **R.G.Kharabe**

ISBN:9178193234402 [2015]

International Journal of Advanced Research in Science and Engineering

### **3. "Synthesis and Structural Studies of Li-Ni-Cu Nano Ferrites"**

R. G. Kharabe and R. P. Kage

International Conference on Materials and Environmental Science

ISBN:978-93-5346-224-6 [2018]

## ***III. Research Papers Published with ISBN in National Proceedings***

### **1. Causes for Energy Crises**

**R. G. Kharabe** and R. P. Kage

ISBN: 978 – 81-926795-0-1 [2013]

### **2. 'Astronomical Instrumentation'**

**R. G. Kharabe**, A D. Tigadi & V. N. Chougule

ISBN: 978 – 81-930758-07[2014].

### **3. Integrated Optics for astronomical Interferometry by using V<sub>2</sub>O<sub>5</sub> cladded waveguide**

R. P. Kage, U.T. Pawar **and R.G. Kharabe**

ISBN: 978-81-930758-0-7 [2014]

**4. Benefits of NAAC Assessment**

**R. G. Kharabe**

ISBN: 978 – 81-930758-3-8 [2015]

**5. Synthesis Characterization and Magnetic properties of Zn substituted Li-Ni**

**Nano Ferrites**

**R. G. Kharabe**, Padma Rattu and Shaila.U.Durgadsimi

ISBN: 978-93-5254-637-4 [2017]

**6. Nuclear Energy-A solution to Energy Crisis**

**R. G. Kharabe**

ISBN NO:978-81-930758-5-2 [2018]

**7. Microwave Irradiation Synthesis of silver Nano particles using leaf and fruit extract**

**R. G. Kharabe**

**ISBN No.978-93887793-03-3**

**8. “Synthesis and Characterization and Electrical Property of Li-Ni-Cd Nano Ferrites”**

**R. G. Kharabe** and G.M.Madanalli

**ISBN No. 978-81-933846-4-0 [2018]**

**9 “Synthesis and Characterization and Electrical Property of Zn Substituted Li-Ni Nano Ferrites”**

**R. G. Kharabe** and G.M.Madanalli

**ISBN No. 978-93-5351-055-8 [2019]**

#### **IV. Research Papers Presented In International Conferences**

1. International Conference on “*Advanced Materials and Applications 2007*” Organized by Dept. of Physics, Shivaji University, Kolhapur during 15<sup>th</sup> to 17<sup>th</sup> November, 2007 and presented a paper.
2. International Conference on “*Material for Advanced Technologies*” (ICMAT-2009) organized by “*Material Research Society*” at Singapore from 28<sup>th</sup> June to 3<sup>rd</sup> July, 2009 and presented paper.
3. International Conference on “*Applications of Nanotechnology to Energy, Environment and Biotechnology (NANO-EEB)*” Organized by St. Aloysius College, Mangalore, during 15<sup>th</sup> & 16<sup>th</sup> December, 2010 and presented a paper.
4. International Conference on “*Recent Advances in Composite Materials*” Organized by IIT, Varanasi, India during 18<sup>th</sup> to 21<sup>st</sup> February 2013 at International Center, Goa and presented a paper.
1. 5. Attended and presented paper on “*Synthesis of Zn Sub-intuited Li-Ni Nano Ferrites*” at International Conference on Physics and Allied Sciences organized by BVB Arts, Science and Commerce College, Bidar on 11-13 March 2020.

#### **V. Research Papers Presented In National Conference**

1. National Seminar on “*Materials for Advanced Technologies*” (NASMAT- 2006) Organized by Dept. of Physics, Shivaji University, Kolhapur on 23<sup>rd</sup> to 25<sup>th</sup> January, 2006 and presented a paper.
2. National Conference on Current Trends in Material Research for Advanced Technology Organized by Dept. of Physics, Dr. Babasaheb Ambedkar University, Aurangabad on 29<sup>th</sup> to 31<sup>st</sup> January, 2007 and presented a paper.



3. Two days National Conference on *“Research and consultancy”* at B.K.College Chikodi on 23<sup>rd</sup> to 24<sup>th</sup> January, 2009 & presented paper.
4. Two days National Seminar on *“Recent Trends in Nanoscience, Nanotechnology and their Applications”* at B.K.College, Belgaum on 20<sup>th</sup> and 21<sup>st</sup> February, 2009 and presented paper.
5. National Conference on *“Higher Education to Rural Youth: A Holistic Approach”* at G.I.Bagewadi College, Nipani on (05<sup>th</sup> and 06<sup>th</sup> March, 2009) and presented a paper.
6. UGC Sponsored Two days National Seminar on *“Nano-the Essentials”* Organized by K.L.E’s J.T.College, Gadag on 5<sup>th</sup> to 6<sup>th</sup> March, 2013 and presented a paper.
7. National Seminar on *“Materials for future technology”* Organized by Rajaram College, Kolhapur on 26<sup>th</sup> and 27<sup>th</sup> September, 2014 and presented a paper.
8. Attended and presented a paper entitled *“Challenges of Curriculum In Higher Education”* on 2nd and 3rd March 2017 at National Seminar organized by P. C. Jabin College, Hubballi
- 9 Attended and presented a paper entitled *“Synthesis of cu-substituted Li-Ni Nano-Ferrites”* on 24th to 25th March, 2017 on Two Day’s National Seminar organized by G.S.S. College, Belagavi.
- 10 Attended and presented a paper entitled *“Use of ICT in research”* on 23rd December, 2017 at one day National Seminar organized by Kamala College, Kolhapur.
- 11 Presented a paper on *“Synthesis and Characterization of Nano-ferrites”* at UGC sponsored One Day National Conference at K.L.E’s S. Nijalingappa College, Bangalore on 8th October, 2018.
- 12 Attended and presented paper on *“Duties and Responsibilities of a Teachers”* held at Shivanand College, Kagwad on 16th October, 2018.

## **VI. Workshop/Symposia/National Conferences Attended**

1. Workshop on “*Astronomy & Astrophysics*” Organized by Dept. of Physics Karnatak University, Dharwad on 5<sup>th</sup> to 7<sup>th</sup> December, 2005.
2. Two days workshop on “*Art of Counselling and Dynamic Living*” at KLE’s G.I.Bagewadi College Nipani on 17<sup>th</sup> to 18<sup>th</sup> February, 2007.
3. One day state level seminar on “*Astrophysics*” Organized by Dept. of Physics & Basveshwar Science College, Bagalkot on 22<sup>nd</sup> September, 2007.
4. State level seminar on “*Non-Conventional Energy Sources*” at J.T.College Gadag-Betgeri on 12<sup>th</sup> March, 2008.
5. One day workshop on “*New Methodology in Assessment of Affiliated colleges by NAAC*” on 14<sup>th</sup> March, 2008.
6. Participated in Two days National Conference on “*The New Frontiers of Nanotechnology in Materials Science*” at R.L.Science Institute, Belgaum on 26<sup>th</sup> & 27<sup>th</sup> November, 2010.
7. Two days National Seminar on “*Energy Crisis-Solutions*” at S.S. Arts and T.P. Science Institute Sankeshwar on 19<sup>th</sup> and 20<sup>th</sup> September 2011.
8. Participated in NAAC Sponsored National Seminar on “*Quality Sustenance in Post Accreditation*” at Ghali College Gadhinglaj on 17<sup>th</sup> & 18<sup>th</sup> October 2011.
9. Participated in Two days National Seminar on “*Nanotechnology and it’s Applications*” at R.L.Science Institute, Belgaum on 13<sup>th</sup> & 14<sup>th</sup> March 2012.
10. National Workshop on “*Matlab and Its Applications*” Organized by G.S.S. College Belgaum on 17<sup>th</sup> to 18<sup>th</sup> January, 2014.
11. Two days UGC Sponsored National Conference on “*Value Initiatives in Institutions of Higher Learning Key to Youth Empowerment*” Organized by Maharani Laxmi Ammani College for Women Bengaluru on 3<sup>rd</sup> and 4<sup>th</sup> February, 2015.
12. UGC Sponsored National Seminar on “*Energy Crisis-Causes, Effects and Solutions*” Organized by S.K.E. Society’s Govindram Seksaria Science College, Belagavi on 13<sup>th</sup> and 14<sup>th</sup> August, 2015.

13. One day Workshop on Curriculum Design: Outcome Based Education Model Organized by Rani Chennama University, Belagavi and Karnataka State Higher Education Council, Bengaluru on 6th April, 2016.

13 Participated in A Day University Level workshop on “Yoga” at K.L.E. Society’s G. I. Bagewadi College Nipani on 19th October, 2016.

14 Faculty Co-coordinator of National Level Workshop on Autonomous Robotics on 15th and 16th September, 2017

15 Attended One day National Conference on “Growth and Challenges of Infrastructure in India” on 18th April, 2017 at K.L.E. Society’s G.I. Bagewadi College, Nipani organized by Dept. of Economics

16 Acted as a Chairperson in National Seminar on “Energy Conversion and storage” organized by Devchand College, Arjun Nagar on 27th December, 2018.

17 Faculty Co-ordinator for Two days National Workshop “Smart Energy Systems and Solar Panels” on 15-16 September 2017 held at our college.

18 Attended a Seminar organized by Rani Channamma University College, Teacher’s Association [RCUTA] on- “Role of College Teachers in Higher Education” held on Sunday, 07th January, 2018 at B,V,V College, Bagalkot.

19 Attended Meeting Awareness about use of Good Quality Helmet for Two Wheeler Riders at Civil Court Nipani on 20.01.2018.

20 Attended “Appulse “ A One Day National Conference on “Astronomy & Astrophysics” on 5th February, 2018 organised by Department of Physics. University of College Science, Tumkuru University, Tumkuru.

21 Faculty Co-ordinator for National workshop on “Robotics” organized by Dept. of Physics in association with Tech Fest IIT, Bombay on 1st and 2nd September, 2018

22 Participated in the One Day National Workshop on “Advances in Spectroscopy” held on 7th September, 2018 at Devchand College, Arjun Nagar.

23 Attended and Guided students to participate in Dharwad Regional Science Exhibition held at R.L. Science Institute, Belagavi on 8th September, 2018

- 24 Attended one day State Level Workshop on “NAAC – A New Approach to IQAC & AQAR” organized by IQAC of RLE’s H.S. Kotambari Science Institute, Hubli on 27th September, 2018
- 25 Participated as a Examiner in One Day Workshop on Poster presentation Competition organized by Devchand Devchand College, Arjun Nagar. on 28th September, 2018
- 26 Participated in the UGC Sposored One Day National Workshop on “Profssional Ethics and Values for Quality Enhancement” held on 3rd October, 2018 at P.C.Jabin College, Hubli.
- 27 Acted as a Chairperson in National Seminar on “Energy Conversion and storage” organized by Devchand College, Arjun Nagar on 27th December, 2018.
- 28 Participated in the two day National Conference held on 1st to 2nd February, 2019 at G.S.S. College, Belagavi
- 29 Attended as a resource person in one day worshop on “Framing of Curriculum for UG Physics under Choice Based Credit System” jointly organized by Department of Studies in Physics,Rani Channamma University,Belagavi & B.K.College,Belagavi on 8thApril 2019.
- 30 Attended one day State Level Workshop on “Criterion-wise Perspectives:Reflections on Recent NAAC Guidlines”organized by IQAC of Shri Mritunjaya College of Arts,Commerce & PG Studies In Commerece,Dharwad on 29<sup>th</sup> August, 2019.
- 31 Faculty Co-ordinator for Student’s One-Day National Level Seminar (Self Financed) on “Mission Chandrayaan” (16th September, 2019) organized by Department of Physics
- 32 Attended one day National Workshop on “Learning Management Systems” organized by Devchand College, Arjun Nagar on 20th September, 2019.
- 33 Participated in One Day Workshop on “NAAC Revised Accreditation Frame Work”organized by Shri K. A. Lokapur Arts,Science and Commerce College,Athani. on 13<sup>th</sup> October, 2019.

- 34 Attended the CBCS Workshop on Syllabus Framing and BOS in Physics (UG) meeting held on 12<sup>th</sup> December, 2019 at Department of Physics, Rani Channamma University,Belagavi.
- 35 Participated as a delegate in One Day Workshop on “Frontiers areas in Physical Sciences”held on 17<sup>th</sup> Janaury, 2020 at Department of Physics, Rani Channamma University,Belagavi.
- 36 Attended the One Day Workshop on “Progress of UGC Paramarsh Scheme”held on 16<sup>th</sup> Janaury, 2020 at KLE’S B.K.College,Chikodi.
- 37 Worked as a Judge for the Poster Presentation Competition held on 20<sup>th</sup> February, 2020 at KLE’S B.K.College,Chikodi.

Dr. R. G. KHARABE