

Name: Digambar Dinkar Kulkarni

E mail Id : [ddkulkarni50@gmail.com](mailto:ddkulkarni50@gmail.com)

Educational Qualification: M.Sc.M.Phil.

Background:

Digambar D.Kulkarni joined Dapoli Urban Bank Senior Science College in July 1998.

Graduate from Shivaji University, Kolhapur (Maharashtra).

Post graduate of University of Pune , Pune(Maharashtra)

Acquired M.Phil. degree in June 2009 from Madurai Kamraj University (Tamilnadu).

Completed his dissertation work on ‘Comparative Study of Magnetic Properties of Polyvinyl Alcohol Coated & Uncoated Cobalt- Zinc Nanoferrites.’

Guide: Dr.Shrikant C.Watawe ; Reader, Gogate Jogalekar College , Ratnagiri (Maharashtra).

Registered to Ph.D.in Patkar Varde College Goregaon ; Mumbai

Name of the Guide: Dr.M.S.Nadkarni

Title of the Project: -

‘Synthesis of Cobalt Zinc Ferrites by Co-Precipitation and Sol-Gel Method and Comparative Study of Preparation Methods on Structural and Magnetic Properties’

Completed Certified Course in Novell Networking & Computer Hardware

Worked as a Hardware Engineer in Technosys pvt.Ltd. Camp, Pune.

Completed Course of Yoga, organized by Patanjali Yogpeeth Haridwar, Uttaranchal.

### **Role in Administration & Activities**

#### **University Level**

**Head of Department** : Department of Physics .

**Co-ordinator** : B.Sc. Computer Science, University of Mumbai

**Co-ordinator** : Bachelor of Computer Application , Yashawantrao Chavan Open University,Nashik.6.

Topic of Interest:

1. Synthesis of Nanoferrites by Sol- Gel and Co-precipitation method
2. Holography
3. Electronics and
4. Solid State Physics
7. Publications (List of Author’s Initials,Name, Journal, Year, Issue, Page Nos.)
8. Seminars/ Conferences/worshops Papers Presented 1.International 2.National 3.State, University (Give only No)
9. Seminars/ Conferences/worshops Papers Attended 1.International 2.National 3.State, University (Give only No)
10. Research Project : Completed,Ongoing, (With Total Fund mobilized)

## 11. Professional and Social Activities Achievements:

Co-ordinator	Committee	Member
2004-05	Youth Festival Common Room Secretary Programme Officer NSS	Sport Cultural Magazine Attendance
2005-06	Common Room Secretary Programme Officer NSS	Youth Festival Sport Cultural NSS Magazine Attendance
2006-07	Attendance	Library Sports Examination Steering NSS
2007-08	Cultural	Steering IQAC NSS Unfair menus Purchase Common Room Secretary
2008-09	Cultural	Steering IQAC NSS Unfair menus Purchase Common Room Secretary Library Magazine
2009-10	Cultural	Steering IQAC NSS Unfair menus Purchase Library Magazine
2010-11	Magazine	Steering IQAC NSS Purchase
2011-12	Magazine	Steering IQAC NSS Purchase
2012-13	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	Steering IQAC Purchase

2013-14	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	IQAC Purchase
2014-15	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	Steering IQAC Purchase CDC
2015-16	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	Steering IQAC Purchase CDC
2016-17	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	Steering IQAC Purchase CDC
2017-18	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Carrier Development Course Co-ordinator of Examination Department Magazine	Steering IQAC Purchase CDC
2018-19	HOD of Physics Department Co-ordinator of Computer Science	Steering IQAC Purchase CDC
2019-20	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Examination Department	Steering Purchase Library Admission Antiragging
2020-21	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Examination Department	Steering Purchase Library Admission Antiragging
2021-22	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Examination Department	Steering Purchase Library Admission Antiragging
2022-23	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Examination Department	Steering Purchase Library Admission Antiragging
2023-24	HOD of Physics Department Co-ordinator of Computer Science Co-ordinator of Examination Department	Steering Purchase Library Admission Antiragging

## **2012-13**

1) Poster presentation : International Conference on Emerging Trends in Chemical Sciences at Solapur University, Solapur on 02-04 Nov.12

Subject: 2-4 Synthesis, Characterization & Pharmacological studies of Copper(II) & Nickel (II) complexes of C<sub>2</sub>-Symmetric salen molecule

2) Poster presentation : Second National Seminar on Physics of Material & Material Based Device Fabrication at Shivaji University Kolhapur on 04/05th Jan 2013

Subject : Microstructure & Magnetic properties of Zinc substituted Cobalt Ferrites

3) Participated in workshop on 'Reforms in Examination' held on 14th July 2012 in Aadarsh College of Arts & Commerce Badlapur organized by Mumbai University.

Gandhali S,Narvankar :-

1) Poster presentation : Second National Seminar on Physics of Material & Material Based Device Fabrication at Shivaji University Kolhapur on 04/05th Jan 2013

Subject : Microstructure & Magnetic properties of Zinc substituted Cobalt Ferrites

## **2013-14**

1) Poster presentation: National Seminar organised by CKT College Panwel on 27 and 28 December 2013 Subject: Water Level Indicator

2) Paper presentation : National Seminar organised by CKT College Panwel on 27 and 28 December 2013 Subject : Simple Multipurpose Conductivitymeter

3) Participated in workshop on 'Reforms in Examination' held on 22nd April 2014 in Gogate Jogalekar College Ratnagiri on behalf of Board of Study (BOS) University of Mumbai.

Year	Sr. No	Name/Event	Duration
2014-15	1	Completed a Methodology Course on 'Introduction to Semiconductor and Semiconductor Devices'	24 to 31 October 2014 (08 days)
	2	Department of Science and Technology (DST) Pune Invited Lecture	15-20 Jan 2015
2015-16	1	Synthesis of Cobalt Zinc Ferrites ( $Co_{1-x}Zn_xFe_2O_4$ ) by Sol-Gel Method and Study of its Structural and Magnetic properties (Research project) (55000/-)	2015-16
	2	Completed a Methodology Workshop on 'Transistor and FET Technology'	31 Oct-04 November 2015
	3	Synthesis and characterization of Nickel Zinc Ferrite using Co-Precipitation Method	
	4	Comparative Study of Micro-structural properties of Zinc Substituted uncoated and PVA coated Cobalt Ferrites (Third Prize Received in presentation)(	
	5	Practices and experiences from the students for the students(Poster Presentation)	
2016-17	1	Impact of Nano-Science and Nano -Technology on Society via microstructure and Magnetic Properties of Cobalt Zinc Ferrites' ISBN No 978-93-83871-46-9 Page No:71	International Conference on Mainstreaming The Marginalized'
	2	'Nanoporus LaAlO3 System : Synthesis and Evaluation of Versatile Properties Along with Their Gas Sensing Potentia	International Conference .Page No :23
	3	Synthesis of Cobalt Zinc Ferrites ( $Co_{1-x}Zn_xFe_2O_4$ ) by Sol-Gel Method and Study of its Structural and Magnetic Properties'(Research Pro.)	
	4	Completed a Methodology Course on Semiconductor Technology at Chikhalgaoon during on 'High Power Electronic Devices'	05 to 12 November 2016 (08 days )

## 2014-15

- 1) Participated in Workshop for Revised Syllabus of F.Y.B.Sc. organized by Gogate Jogalekar College on 22 April 2014 to discuss 2014-15 syllabus of F.Y.B.Sc..
- 2) Participated in College workshop named 'Positive Discrimination' organized by UGC and DUBSSC on 20<sup>th</sup> Dec Feb2014.
- 3) Worked as Judge in School level Science Exhibition held at Sohani Primary School Dapoli during 13/14 Jan 2015 .
- 4) Worked as Judge in Jr.College level Science Exhibition held at A.G. Highschool and Jr.College Dapoli during 15 Jan 2015

- 5) Worked as Resource Person in Physics in INSPIRE programme organized by college and Department of Science and Technology (DST) during 15 -20 Jan 2015
- 6) Worked as Judge in State level Science Exhibition held at Ambav Engineering College organised by ' National Educational Research and Training Commission, Government of India, Maharashtra State Educational Research and Training Commission, Pune, State Science Education Institute Nagpur and Ambav Deorukh Institute' during 17 to 21<sup>st</sup> Jan 2015
- 7) Participated in College Seminar organized by UGC and DUBSSC on 20/21<sup>st</sup> Feb 2015.
- 8) Participated in workshop of Revised syllabus of F.Y.B.Sc. held at Vaze College Mulund on 9<sup>th</sup> April 2015
- 9) Participated in National seminar regarding Quality Education on 24/25 April 2015 organized by CKT College Panwel ,Mumbai .
- 10) **25** E- Article prepared and submitted to publish on website of College from 1<sup>st</sup> May 2015

#### 2015-16

- 1) Worked as Organizing Secretary during National seminar named as "Recent development in chemical and material sciences" in courtesy with department of chemistry and Nano-science and Nano-technology department of university of Mumbai.
- 2) Participated in national seminar of IQAC
- 3) Achieved third Prize in poster presentation computation organized in national seminar named as "Recent development in chemical and material sciences"
- 4) Selection of research project in University of Mumbai of Rs. 55000/-.

#### 2016-17

- 1) Presented a paper on '**Impact of Nano-Science and Nano -Technology on Society via Microstructure and Magnetic Properties of Cobalt Zinc Ferrites**' in International Conference on '**Mainstreaming The Marginalized**' organized by Loknete Gopinathji Munde Arts ,Commerece and Science College on **28<sup>th</sup> January 2017** which published in Proceeding with **ISBN No 978-93-83871-46-9**
- 2) Presented a paper on '**Nanoporus LaAlO<sub>3</sub> System : Synthesis and Evaluation of Versatile Properties Along with Their Gas Sensing Potential**' in International Conference on '**Mainstreaming The Marginalized**' organized by Loknete Gopinathji Munde Arts ,Commerece and Science College on **28<sup>th</sup> January 2017** which published in Proceeding with **ISBN No 978-93-83871-46-9**
- 3) Completion and Submission of research project Sanctioned on **8<sup>th</sup> Feb 2016** with **Letter No APD/237/419 of 2016** by University of Mumbai on '**Synthesis of Cobalt Zinc Ferrites (Co<sub>1-x</sub>Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub>) by Sol-Gel Method and Study of its Structural and Magnetic Properties**' of **Rs. 55000/-**.

- 4) Guardian Teacher for T.Y. B.Sc. Physics
- 5) Organization of Local Study Tour to 1. Workshop of Automobile 2. Michelson Interferrometer at Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth 3. Gole Workshop Gave
- 6) Guest Lecture on 'Basic of Electricity and Electronics' in INSPIRE Camp on 27<sup>th</sup> Jan 2017 organized by Science Association .
- 7) Guest Lecture on 'Basic of Electricity and Electronics' in Physics Fest on 3<sup>rd</sup> and 4<sup>th</sup> Dec 2016 organized by Department of Physics and Science Association
- 8) Conduction of Demonstration Lecture on F.Y.B.Sc. and S.Y.B.Sc for number of SET of Practicals
- 9) Participated in Workshop on 'Centre for Institution Building and Leadership Studies' Organised by Rambhau Mhalgi Prabodhini on 25<sup>th</sup> and 26<sup>th</sup> Nov 2016
- 10) Participated in Workshop Conducted by Examination Department of University of Mumbai at Ratnagiri Sub center on 14<sup>th</sup> Oct 2016.
- 11) Worked as Preciding Officer in Dapoli Nagar- Panchayat and Ratnagiri Zilla Parishad Election on 20 and 21 st of Feb 2017.

#### **2017-18**

- 1) Participated in a workshop on Avishkar research Convention 2017-18 organised at Dapoli Urban bank Senior Science College on 14<sup>th</sup> Nov. 2017.
- 2) Participated in A Three Day State Level Workshop on 'Emerging Trends in Renewable Energy Technologies' organized by Department of Engineering Sciences and Humanities , Vishwkarma Institute of Technology Pune on 16<sup>th</sup> – 18<sup>th</sup> February 2018.
- 3) Guardian Teacher for T.Y. B.Sc. Physics
- 4) Guest Lecture on 'Waves' in Physics Fest on 24<sup>th</sup> and 25<sup>th</sup> Feb 2018 organized by Department of Physics and Science Association
- 5) Conduction of Demonstration Lecture on F.Y.B.Sc. and S.Y.B.Sc for number of SET of Practical

#### **2018-19**

- 1) College for online examinations of Mumbai University.
- 2) Participated in a workshop on IQAC at Vidya Pratishtan Baramati on 16<sup>th</sup> July 2018.
- 3) Worked as Judge for Mumbai University Elocution and Debate for Group B held Pali College Dist: Raigad on 8<sup>th</sup> August 2018
- 4) Guardian Teacher for T.Y. B.Sc. Physics
- 5) Guest Lecture on 'Fundamentals of Electricity' in Inspire Camp on 24<sup>th</sup> and 25<sup>th</sup> Feb 2018 organized by Science Association
- 6) Conduction of Demonstration Lecture on F.Y.B.Sc. and S.Y.B.Sc for number of SET of Practical
- 7) Completed Refresher Course on Quantum Mechanics and Solid State Physics from 27 November to 12 December 2018 held at HPT College Nashik organized by Science

Education Panel of 1.Indian Academy of Sciences 2.Indian National Science Academy 3.The National Academy of Sciences.

## **2019-20**

- i. Participated in Inspire Camp as a Resource Person
- ii. Participated in Physics Festival as a Resource Person as well as Guidelines given to students in Conducting this Festival
- iii. Guidelines given to Faculties and Students who Conduct a Documentary on Chandrayaan
- iv. Participation in College NSS Camp in conducting Gramvikas Survey
- v. Working as a Resource Person in Conducting Yoga Shibir during NSS Camp at Valane Grampanchayat
- vi. Participated in a workshop on IQAC at T. C. College Pratishthan Baramati on 14<sup>th</sup> and 15<sup>th</sup> Feb 2020 for IQAC workshop
- vii. Participated in following Online programme
  1. Participated in National Webinar on MOOCs and MOODLE organized by Dr. Natu College Margatamhane Chiplun
  2. Participated in International E Conference on Strategies in higher Education organized by Government Vidharbhs Institute of Science and Humanities Amaravati on 15<sup>th</sup> May 2020
  3. Participated in National Webinar on Need of E Content organized by Tatkare College of Arts Commerce and Science Tala
  4. Participated in National Workshop on Nano-materials Safety and Environment organized by Momin Women's College Mumbai on 15<sup>th</sup> May 2020
  5. Participated FDP on Digital Disha for Teachers on 20<sup>th</sup> May 2020 organized by Khalsa College Matungaa
  6. Participated in 3 Day International Level FDP on Research Methodology organized by Degree College of Arts Commerce and Science Thane on 24 to 26<sup>th</sup> May 2020
  7. Participated in two Day Online workshop on Experiential Teaching with Diverse Tools organized by Dayanand College of Arts Commerce and Science Parel on 26 and 27<sup>th</sup> May 2020
  8. University Minor research Project Sanctioned of Rs 70,000/-
  9. Worked as Resource Person in National Level Online Countrywide National Science Student Development Programme i. e. CWNSSDP-2020 from 27<sup>th</sup> July to 26<sup>th</sup> August, organised by Netaji Subhaschandra Bose college of Arts Commerce and Science Nanded.



**2020-21**

**Research Contribution:-**

1. Attended the national Webinar on Intellectual Property Right (IPR) and Patent Filing on 1<sup>st</sup> June 2020 organized by Department of Physics & IQAC, Netaji Subhashchandra Bose College, Nanded,
2. Participated in online course on “An Introduction to Materials Characterization Techniques” from 22nd June 2020 to 28th June 2020 conducted by Department of Physics, K. J. Somaiya College of Science and Commerce, Mumbai.
3. Participated in International “ Signals and Measurement in Communication ” organized by the Department of Electronics and Communication Engineering on 04-07-2020, Tamil Nadu, India.
4. Participated in National Webinar on “NANOFLUIDS IN SOLAR ENERGY UTILIZATION” Organized by Department of Mechanical Engineering, Francis Xavier Engineering College Tirunelveli on 11.07.2020
5. Participated in National Level Webinar on “BASIC SCIENCES : CHALLENGES & OPPORTUNITIES” organized by Department of Physics in association with Internal Quality Assurance Cell on 13th July, 2020 organised by VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE Vikhroli (E) Mumbai-400083
6. Delivered lecture as Resource Person in National Science Student Development Programme organized by Department of Physics of Netaji Subhashchandra College of Arts, Commerce and Science College Nanded duration from 27 July to 26 Aug 2020
7. Participated in National e-Conference on “Progress in Material Science” organized by Department of Physics , Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi Dist- Sangali on 13<sup>th</sup> July 2020
8. Participated in two Day Online workshop on ‘ An Introduction to Materials Characterization Techniques’ from 22 nd June to 28 June 2020 organised by Department of Physics ,Somaiya College, Mumbai
9. Participated in two days workshop on Physics Education Post Covid Era organized by Indian Association of Physics Teacher (IAPT) on 21<sup>st</sup> and 22<sup>nd</sup> July 2020
10. Participated in One Day Workshop on PERFORMANCE BASED APPRAISAL SYSTEM (PBAS) - ACADEMIC PERFORMANCE INDICATORS (API) FOR TEACHERS organized by IQAC & Library, Bharatiya Mahavidyalaya, Amravati held on Thursday 23 July 2020 organized by Bharti Mahavidyalay , Amravati.
11. Attended National Seminar “Career in Research” organized by Department of Physics of G.M. Momin Women's College, Bhiwandi on 31st October, 2020 under DBT's Star College Scheme.
12. Participated in the 26TH INTERNATIONAL CONFERENCE OF INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES on “Advance s in Physics” held at Gondwana University, Gadchiroli during December 18-20, 2020.
13. Participated in International Conference organized by ICS College Khed Dist; Ratnagiri on 23<sup>rd</sup> and 24<sup>th</sup> April 2021 on ‘Emerging advancement Challenges in Science Technology and Management’ in collaboration with University of Mumbai (UDIT)

14. Published a Research paper in International Journal of Grid and Distributed Computing Vol. 13, No. 2, (2020), pp. 141 –146 named as ‘ Synthesis and characterization of Novel Manganese (II), Cobalt (II) and Nickel (II) Schiff bases Complexes of Salen ligand ‘

**Refresher Course Completed:-**

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Faculty Development Programme (FDP) on ‘Nanomaterial Characterization Techniques and Result Analysis’	B. N. Sarda Science College Sangamner Dist; Pune	27 <sup>th</sup> July to 31 July 2020	Pandit Madan Mohan Malviya National Mission of Teacher and Teaching and HRDC Savitribai Phule Pune University
Faculty Development Programme (FDP) on Research Methodology	Teaching and learning Centre, Ramanujan College University of Delhi University of Delhi	1 Oct to 15 Oct 2020	MHRD Pandit Madan Mohan Malviya National Mission of Teacher and Teaching

**2021-22**

Sr. No.	Title of paper	Journal Name, Page nos., Vol. no., Issue no., Year of publication	ISSN / ISBN NO.	Impact Factor if any	No. of Co-Authors	Whether Principal Author/ Supervisor / Co-supervisor
1	Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, April 2022	978-939-1-26556-4	6.252	04	Principal Author
2	Synthesis and Characterization of Cobalt Zinc Ferrites by Co-Precipitation method	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, April 2022	978-939-1-26556-4	6.252	04	Principal Author
3	Precise Measurement of Small Bacterium Size by LASER Light	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, April 2022	978-939-1-26556-4	6.252	02	Principal Author

Sr. No.	Title of Book with no. of pages	Publishers name with ISSN/ ISBN NO.	International/ National Publisher	No. of Co- Auth ors	Whether Principal Author/ Co-Author
1	Recent Advances in Basic and Applied Sciences Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method	LAP LAMBART Academic Publishing ,Dodo Books Indian Ocean Ltd, member of the OmniSpectrum S.R.L. Publishing group.  978-620-4-95588-9	<b>International</b>	02	Principal Author
2	Recent Advances in Basic and Applied Sciences Promising Results in Absorbance Measurement by 'Colormeter Software of Smartphone	LAP LAMBART Academic Publishing ,Dodo Books Indian Ocean Ltd, member of the OmniSpectrum S.R.L. Publishing group.  978-620-4-95588-9	<b>International</b>	02	Principal Author

	Type of Project: A / B	Title of Project	Sponsored Agency	Date of Completion	Grant Received (Rs.)
1	A	Comparative Study of Synthesis Methods and structural Properties of Cobalt- Cadmium Zinc Ferrites	University of Mumbai	27-09-21	70,000

<b>Sr. No.</b>	<b>Title of Presentation in Academic Session</b>	<b>Title of Conference/ Seminar</b>	<b>Mode of Presentation: Invited lectures/ Resource Person/ Paper</b>	<b>Name of Organizer</b>	<b>Whether International (Abroad)/ International (within Country)</b>
1	Study of Light Spectroscopy of Various Light Sources via Simple laboratory Spectrometer	National Conference on Recent Trends in life Science, Energy and Environment (NCRLEE 2021 )	<b>Paper presentation</b>	DUBSSC	National
2	Promising Results in Absorbance Measurement by 'Colormeter Software' of Smartphone	Environment, Development and Sustainability'(An Interdisciplinary conference) (ICEDS 2022) (29-30 March 2022	<b>Paper presentation</b>	Gopinath Munde College Mandangad	<b>International (within Country)</b>
3	Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method	Environment, Development and Sustainability'(An Interdisciplinary conference) (ICEDS 2022) (29-30 March 2022	<b>Paper presentation</b>	Gopinath Munde College Mandangad	<b>International (within Country)</b>

1. Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method poster presentation in International E- Conference on Advances in Chemical and Physical Sciences for Sustainable Development during 28th and 29th April 2022 organized by Loknete Gopinath Munde Arts Commerce and Science College Mandangad District Ratnagiri with ISBN number 978-939-1-26556-4 and ISSN number 2581-9429 with page 169-176

2. Synthesis and Characterization of Cobalt Zinc Ferrites by Co- Precipitation method in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, April 2022 with ISSN (Online) 2581-9429 number with page number 181-185

3. Precise Measurement of Small Bacterium Size by LASER Light published in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, April 2022 with ISSN (Online) 2581-9429 number with page number 121- 126

4. Local Advisory Member of International E- Conference on Advances in Chemical and Physical Sciences for Sustainable Development during 28th and 29th April 2022 organized by Loknete Gopinath Munde Arts Commerce and Science College Mandangad District Ratnagiri with ISBN number 978-939-1-26556-4
5. Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method in book of Recent Advances in Basic and Applied Sciences with ISBN Number 978-620-4-95588-9 by LAP LAMBART Academic Publishing ,Dodo Books Indian Ocean Ltd, member of the OmniSpectrum S.R.L. Publishing group.from page number 44-52
6. ‘ Promising Results in Absorbance Measurement by ‘Colormeter Software of Smartphone’ in book of Recent Advances in Basic and Applied Sciences with ISBN Number 978-620-4-95588-9 by LAP LAMBART Academic Publishing ,Dodo Books Indian Ocean Ltd, member of the OmniSpectrum S.R.L. Publishing group.from page number 52-63
7. Presented a Research Paper in International Conference (online) on ‘Environment, Development and Sustainability’(An Interdisciplinary conference) (ICEDS 2022) (29-30 March 2022) on Synthesis and Characterization of Cobalt Zinc Ferrites by Sol Gel Method
8. Presented a Research Paper in International Conference (online) on ‘Environment, Development and Sustainability’(An Interdisciplinary conference) (ICEDS 2022) (29-30 March 2022) on Promising Results in Absorbance Measurement by ‘Colormeter Software’ of Smartphone
9. Presented a Research Paper in National Conference on Recent Trends in life Science, Energy and Environment (NCRLEE 2021 ) at Dapoli Urban Bank Senior Science College Dapoli (24 and 25 September 2021) Study of Light Spectroscopy of Various Light Sources via Simple laboratory Spectrometer with ISBN Number
10. Worked as Editing member of National Conference on Recent Trends in life Science, Energy and Enviroment (NCRLEE 2021 ) at Dapoli Urban Bank Senior Science College Dapoli (24 and 25 September 2021) Study of Light Spectroscopy of Various Light Sources via Simple laboratory Spectrometer with ISBN Number
11. Member of Research Recognition Committee of Dapoli Urban Bank Senior Science College Dapoli
12. Published five article in E- Information Letter named Eureka of Dapoli Urban bank Senior Science College
13. Worked as research Project Guide to Four Groups of T.Y. B. Sc. Students
14. Worked as research Project Guide of T.Y. B. Sc. Students whose project has been selected for Avishkar Research Competition organized by Mumbai University.

15. Completed Research project of 70,000/- Rupees named Comparative Study of Synthesis Methods and Structural Properties of Cobalt- Cadmium Zinc Ferrites Sanctioned by University of Mumbai with date of completion 27 Nov 2021.

## 2022-23

1. Member of Research Recognition Committee of Dapoli Urban Bank Senior Science College Dapoli
2. Published article in E- Information Letter named Eureka of Dapoli Urban bank Senior Science College
3. Worked as research Project Guide to two Groups of T.Y. B. Sc. Students
4. Worked as research Project Guide of T.Y. B. Sc. Students whose project has been selected for Avishkar Research Competition organized by Mumbai University.
5. Worked as research Project Guide to two Groups of M.Sc. Chemistry Students
6. Faculties of Department also had worked of various articles based on Science in Monthly Publication organized by Science Association Department of College named as Eureka, activity run under Science Association Department of College
7. Paper Presentation named 'Synthesis & Characterization of Cobalt Zinc Ferrite ( $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ) by Sol-Gel Method Digambar D. Kulkarni, Uzma Mungruskar, Afsana Maniyar in a Two Day International Conference on Innovation in Smart & Technomaterials (ICISTM-2023) 16th and 17th January 2023 , organized by Department of Physics Sadguru Gadage Maharaj College. Karad with ISBN Number 978-81-956739-7-1
8. Poster Presentation Named 'Synthesis of Cobalt, Zinc, Ferrite ( $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ) by Co-Precipitation Method Digambar D Kulkarni, Divya Kelkar, Krutarth Bodas in a Two Day International Conference on Innovation in Smart & Technomaterials (ICISTM-2023) 16th and 17th January 2023 , organized by Department of Physics Sadguru Gadage Maharaj College. Karad with ISBN Number 978-81-956739-7-1
9. Communicated a Chapter named Applications of Smartphone in Recent Trends of Physical Science in book published by Skylark International Publication which Authors are Shivtej Patil T.Y.B.Sc. and Digambar D. Kulkarni.
10. Lecture as a Resource Person in International Online Certificate Course On Non-Conventional Energy organized by NETAJI SUBHASHCHANDRA BOSE Art's, Commerce and Science College, Tarasingh Market, Vazirabad, Nanded (Maharashtra) on 6<sup>th</sup> March 2023 on a Topic named as 'Energy Conservation by Simple Measures'
11. Participated in one day workshop on NEP on 21 March 2023 organized by IQAC Dept of DUBSSC
12. Participated in online International Conference on 11<sup>th</sup> March 23 organized by Zoology Dept of DUBSSC
13. Participated in two day National Webinar on Transforming Higher Educational Institution' organized by R.J. College Ghatkopar Mumbai
14. Participated in one day workshop on ' Learning Management System' on 27<sup>th</sup> Sept 23 organized by DUBSSC

