

Curriculum Vitae

Dr.MANJUNATHA B C ,M.Sc, Ph.D

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Google scholar ID: Dr.Manjunatha B C - Google Scholar,

Orcid ID: <https://orcid.org/0009-0001-8861-3420>

Objective:

To obtain a position of responsibilities that utilizes my experience, skills and keep to work in an environment where I can enrich my knowledge.

PERSONAL DETAILS

Name	: Dr.Manjunatha B C
Date of Birth	: 20.06.1985
Father's Name	: Channappa
Mother's Name	: Sharadamma
Sex	: Male
Marital status	: Married
Nationality	: Indian
Linguistic abilities	: Kannada, English, Telugu

PERMANENT ADDRESS

Manjunatha B C S/O Channappa
BalakuntaHalli (Village and Post)
Manchenahalli Via
Chickballapur (T & D)
Karnataka, India
Pin:562101
Phone: 9686354149

ADDRESS FOR COMMUNICATION

#3656, Prithviraj Nilaya,
5th Cross, Gayathri Nagar,
Rajaji Nagara 2nd Stage
Bangalore -560021.

EDUCATIONAL QUALIFICATIONS

Degree/Examination	Board/ University	Year of Passing	Percentage
Ph.D	Visvesvaraya Technological University	2023	Awarded
M.Sc. (Nuclear Physics and particle Physics)	Bangalore University	2008	68.10
B.Sc. (Physics, Chemistry, Mathematics)	Bangalore University	2006	67.31
SSLC	Karnataka SSLC Board	2001	72.16

Area of Research : Physics (Material Science)

Title of Research work : Structural, Electrical and Magnetic properties of Various substituted Hexa Ferrites at nano level

Research Publications : In Reputed Journals -12
: In Symposia/Seminar -09

EXPERIENCE

Teaching Experience : 17 Years

Research Experience : 2 years

Working as **Research Scholar** in the Department of Physics, SJC Institute of Technology, Chickballapur. Under the guidance of Dr. C S Prakash and Dr.Pushpa N through experience in the following aspects:

- Synthesis of Nano Hexa ferrites by sol-gel Auto combustion Method.
- Structural Characterization by using XRD ,FTIR, EDAX, SEM, TEM, Techniques.
- Electrical and dielectric Characterization by using LCR meter.
- Magnetic Characterization by using VSM.

Major contributions Departmental Level :

Worked course co-ordinator for autonomous ME, CSE streams and B.Sc (Hons) , class teacher, Mentor, Valuator, Moderator, VTU and Autonomous Examination Question paper setter, External lab Examiner, Academic councilor ,Lab incharge, Lab manual preparation, CET crash course conduction coordinator, NBA coordinator.

Major contributions Institutional Level:

- Worked as a UG B.Sc(Hons) academic incharge
- Worked as a NBA coordinator for criteria- 9(Institutional level)
- Worked as NAAC Coordinator
- Worked as admission Coordinator
- 23rd VTU Youth fest Blissbeat-2024 Event Coordinator
- Engineering and applied Physics Course coordinator
- DHI software coordinator
- Member for Anti-ragging committee
- Member for cultural committee
- Member for disciplinary committee
- Member for SJCIT chiravinuthankannada sangha
- In-charge HOD Dept.of physics, SJCIT, Chickballapur

AWARDS AND FELLOWSHIPS

- Best Paper Presentation Award at the Nationalconference on “Trends in Advanced Materials and their Applications” held at department of studies and Research in physics , Tumakur university , Tumakuru on 30th November 2017.
- Received Best Teacher Award in the department recognition to achieve excellence in teaching , research and institutional developmental activities in Teacher’s day 5th sept.2024.
- Recognized as Debate event coordinator for the event Literary in the 23rd VTU youth festival “BLISSBEAT-2024 held at SJCIT, chickballapur on 27th -30th march 2024.

- Certificate of achievement towards the successful completion of assessment for the internal Auditor training course on quality management system based on ISO 9001:2008 and 9001:2015 standards.
- Certificate of achievement towards 100% Results in the Applied physics of I and II semester in the university Examination(VTU) held during the academic Year 2023-24

Invited as Resource Person/ Chief Guest

- Participated as Chief Guest for Graduation day and Fresher's day -2024 on 31st Aug 2024 at Sri Venkateshwara First Grade College, Manchenahalli, Chichballapur
- Invited a chief guest on the occasion of Annual day function-02.01.2025 at Rural national PU college Manchenahalli, Gowribidanur taluk, Chickballapur-562101

PROFESSIONAL MEMBERSHIPS:

Life Member for the Indian science congress association a professional body under DST, Govt. of India, Membership no. A-2831.

BOOK CHAPTER PUBLICATIONS

Manjunatha, B. C. and Pushpa, N. Synthesis and Characterization of Nano-Hexagonal Calcium Ferrites for Material Development. In: Research Aspects in Chemical and Materials Sciences Vol. 5. B P International, (2022) pp. 29-40. ISBN 978-81-959848-8-6

LIST OF PATENT PUBLICATIONS

1. The novelty in the shape and configuration of the “Nano-Ferrites iron oxide based device for hyperthermia treatment” dated on 18th sept.2024 Application No.: 430859-001,Cbr Number: 217015.
2. The novelty in the shape and configuration of the “Lithium battery catalyst-making device” dated on 31st December.2024,Application No.: 442503-001
Cbr Number: 224437.

LIST OF PUBLICATIONS

JOURNALS

1. **Manjunatha.B.C**, Structural properties of Al and Cr dopedM-type Nano Hexaferrites. *International Journal of Advanced Research Trends in Engineering and Technology*, Vol 4, 212-216, 2018.
2. **Manjunatha B C**, Structural properties of substituted calcium hexagonal nano ferrites, *ISST Journal of Applied Physics*, Vol. 9 (1), 13-15, 2018.
3. **Manjunatha, B. C**, *Synthesis and Characterization of Nano-Hexagonal Calcium Ferrites Journal of Nanoscience and Technology*, Volume 6,Issue 2,2020 Pages 894-896.
4. **Manjunatha, B. C** , Properties of chromium doping on structural and magnetic behavior of calcium nano-hexaferrites, *Materials Today: Proceedings*,Vol. 37, Part 2, 2021, Pages 363-367.
5. **Manjunatha, B. C**, Synthesis and structural characterization of substituted calcium hexaferrites *Materials Today: Proceedings* Vol.37, Part 2, 2021, Pages 742-744.
6. **Manjunatha, B. C**. *Synthesis and Characterization of Nano-Hexagonal Calcium Ferrites for Material Development. In: Research Aspects in Chemical and Materials Sciences Vol. 5. (2022)B P International, pp. 29-40. ISBN 978-81-959848-8-6.*
7. **Manjunatha, B. C**, *Effect of post annealing on DC magnetron sputtered tungsten oxide (WO₃) thin films for smartwindow applicationsPhysica B: Condensed Matter*Vol.664, 1 September 2023, 414996.
8. **Manjunatha, B. C** Mechanical characterization of 44 micron sized B₄C particles reinforced Al2618 alloy composites, *Materials Today: Proceedings* ,Vol. 81, Part 2, 2023, Pages 434-439.
9. **Manjunatha, B. C**, *Study of structural and magnetic features of aluminum substituted hexaferrites of calcium suitable for memory storage application, Materials Today: Proceedings* , Vol 89, Part 1, 2023, Pages 14-18

10. **B.C. Manjunatha**, *Nickel-doped calcium nano ferrites suitable for magneto-electronic applications*, *Physica B: Condensed Matter*, Vol. 726, 418207, ISSN 0921- 4526, <https://doi.org/10.1016/j.physb.2025.418207>.
11. **Manjunatha, B.C.** Investigation of structural and electrical properties of cobalt-doped calcium nanoferrites suitable for chemical and gas sensor applications. *J Mater Sci: Mater Electron* 37, 732 (2026). <https://doi.org/10.1007/s10854-026- 17108-z>.
12. Manjunatha B C, Enhanced dielectric and supercapacitor capacitor performance of 7 mol% Zn-doped ZrO₂ nanoparticles: A comparative correlation based on experimental observations, *Next Materials*, Volume 12, 2026, 102412, ISSN 2949-8228, <https://doi.org/10.1016/j.nxmate.2026.102412>.

Research papers presented in conference/Symposia /Seminars

1. **Manjunatha B C** and Narayana Y. The natural radioactivity measurements in soil and Sediments by gamma ray spectrometer. IN: National workshop on Challenges in Research & Technology in the Coming Decade CRT-2013 to be held at SDMIT, Ujjire during 27.09.2013 to 28.09.2013.
2. **Manjunatha B C**, Rajashekar.K M, C S Prakash., Study of structural properties of Aluminum and Chromium substituted Calcium Nano Hexaferrites. In: National conference on “Trends in advanced Materials and their application” (TAMA-2017) held at Tumakur University, Tumakur on 30th November 2017.
3. **Manjunatha.B.C**, Rajashekar.K.M and C.S.Prakash., Structural behavior of M-type substituted Calcium hexaferrites at nano level. In: International conference on “Recent Advances in Materials Science and Biophysics(RAMSB)-2018” held at Department of Studies in Physics Mangalore University during January 23-25, 2018.
4. **Manjunatha B C**, Rajashekara K M, C S Prakash., Morphological study of transition metal ion Substituted Calcium hexagonal nano ferrites synthesized by solution combustion method In: National Conference on Radiation Physics and its application in material science and medicine, Govt Collage for Women, Kolar during 6th April 2018.
5. **Manjunatha .B.C** has presented paper “Entitled study of structural properties of substituted calcium Nano hexaferrites” in international Conference on “ Innovations and challenges in Science and Technology (ICICST-2019) held during 19th- 23rd December ,2019, at Don Basco Institute of technology Bangalore

6. **Manjunatha.B.C** has presented paper Entitled "synthesis and characterization of hexagonal calcium aluminates" in international conference on materials for Environment , Sustainable Society and Global Empowerment-2019(Massage -2019) held during 19th-20th December ,2019, at VTU Regional center muddenahalli, chickballapur.
7. **Manjunatha .B.C** has presented paper Entitled "Electrical Resistivity studies of doped chromium spinal ferrites at S J C Institute of Technology, chickballapur.
8. **Manjunatha .B.C** has presented paper Entitled "Study of structural and magnetic features of aluminum substituted hexaferrites of calcium suitable for memory storage application, in international conference on Applied Research in Engineering Sciences-(ICARES-2022), 24th& 25th Nov 2022 at MS Ramaiah Institute of Technology, Bangalore-560054.
9. **Manjunatha.B.C** has presented paper entitled "Various properties of Co³⁺ substituted calcium Ferrites in international conference on Advanced Materials for Sustainable Technologies (ICAMST-2024), 22nd -23rd August 2024 at MS Ramaiah Institute of Technology, Bangalore-560054.

PROFESSIONAL TRAININGS ATTENDED:

1. Three days Faculty Development Program (FDP) on "Scientific knowledge and skill conversion training program" held at SJC Institute of Technology, Chickballapur on June 28- 30, 2017.
2. Attended three days Training "FEEL(Facilitating Excellence in Effective Leadership) Teacher communication Learning And Development Intervention" on 25th -27th May 2023 at SJC Institute of Technology Chickballapur
3. Attended ONE week Advanced Faculty Development Program at AICTE – ATEL IDEA LAB, From 8th July 2024 to 13th July 24, 2024 at VTU Muddenahalli, Chickballapur
4. Attended one week ATAL sponsored FDP on Advanced material processing and characterization techniques at SJCIT chickballapur
5. Record of appreciation in FEEL Communicative English Learning And development Intervention was conducted on 21st ,22nd and 24th February 2025, by college leadership and HRD ,Mangalore Karnataka.

WORKSHOP/ SYMPOSIUM/SEMINAR/CONFERENCE CONDUCTED:

- Conducted one day workshop for MBA students and Teaching faculties on “ LinkedIn workshop ” in association with department of physics and career Development & Corporate Affairs Center on 10th Jan 2025 in BGS Conference Hall, Aero Block SJCIT campus.
- Conducted one day awareness program on cyber attack in association with IQAC cell on 30th July 2025 in Mechanical seminar hall.

WORKSHOP/ SYMPOSIUM/SEMINAR/CONFERENCE ATTENDED

- Two days Faculty Enablement program on “Fundamentals of effective teaching” held at SJC Institute of Technology, Chickballapur on February 18 and 25, 2012.
- One day Workshop on “Research aspirants on material science and its application” held at Reva Institute of Technology on 13.10.2012
- National workshop on “Advanced Material research for Device applications” held at NMAM Institute of Technology during July 25 -26, 2013.
- One day workshop on “Principles of pedagogy for effective instructions dissemination” held at SJC Institute of Technology, Chickballapur on 19th July 2014.
- One day workshop on ‘Faculty Development Program (FDP) On “Teaching Skills in Engineering Education Institutions” held at SJC Institute of Technology, Chickballapur on 21st January 2015.
- One day workshop on “Nano materials and its characterization” held at VTU Regional office, Bangalore on 14th Dec 2015.
- Two days Faculty Enablement program on “Engineering Pedagogy” held at SJC Institute of Technology, Chickballapur on December 15- 16, 2016.
- Attended supporting standards of ISO 50001:2018- Empowering the energy auditors at ASHARE Region at large organizer on 07th May 2020.
- Attended FDP on “contemporary Tools and Techniques for teachers and Researchers in Higher education experience of using vital class room at Cambrige IT Bangalore on 9th May 2020.
- Workshop on Lesson from god in the Boardroom at ISBR College Bangalore on 05th May 2020.
- Web conference on science , Engineering and Technology (IWCSET-2020) at Nagapur University On 15th And 16th May 2020.
- International webinar on Material Science (IWMS-2020) at National college Bangalore on 28 may 2020.
- Online Certificate Course Completed On Intellectual Property rights and Innovation , the programme was conducted by Karnataka State Council for Science And Technology(KSCST)at IISc Bangalore on 29 th and 30th April 2020
- “ E-Quiz on EnvironmentalDays at DSATM on 05TH June 2020
- Online Quize on NBA and OBE”at SJCIT on 3rd June 2020.
- International Faculty Development Program on Functional Materials and Devices: Energy, Environment and Sustainable Development from the 10th to 14th July, 2023.

- Feel teacher communication learning and development intervention 25th -27th May 2023
- One day orientation program on Revised Physics Syllabus-2022, 24th Nov 2022
- Stimulated Luminescence and Applications 24th Dec 2022
- Nanomaterials for Engineering Applications 30th Aug 2022
- Modern strategies in Physics Research: Ensuring Sustainable Development (MSPR-ESD) 28th June 2022 to 2nd July 2022
- Workshop cum hands on training on material characterization techniques 14th and 15th July 2022
- One week online professional development program on Recent development in renewable energy 20th to 24th June 2022
- Online workshop on comprehending quality aspects in NAAC Accreditation process 3rd May 2022
- Webinar on Electrification of vehicles –challenges and solution 14th April 2022
- Role of material science in the continual progress of engineering and Technology, 28th to 31st March 2022
- Workshop cum hands on training on material characterization techniques 14th and 15th July 2022
- Role of Material Science in the continual Progress of Engineering and Technology 28-31 march 2022((1 week)
- International Faculty Development Program on Functional Materials and Devices: BIT Ballary during 10th to 14th July, 2023.
- Synthesis and characterization of dielectric Perovskites Presidency university , Bangalore on 9th Dec 2023
- Energy, Environment and Sustainable Development BIT Ballary during 15th to 18th Aug 2023
- Feel teacher communication learning and development intervention SJCIT, Chickballapur between 25th -27th May 2023
- Lecture series - technical seminar NDLI CLUB Of SJCIT, Chickballapur on March 15 2023
- Advances in Materials Technology for next generation Manufacturing Ballary institute of Technology 1st to 5th Feb. 2024
- International conference on Recent Trends in Advanced Materials P C Jabin Science College Hubli 2nd Sept 2023

The above particulars furnished by me are true and correct to the best of my knowledge.

Sd /-
(Dr.Manjunatha B C)