



Dr. Ekanath Khandu Kore  
Associate Professor of Physics  
Department of Physics  
D.B.F. Dayanand College of Arts and Science,  
Solapur

## PROFILE

Dr. Ekanath Khandu Kore is an Associate Professor of Physics with more than 33 years of teaching and 10 years research experience. His expertise includes nanomaterials, magnetic materials, and ferrite. He has made significant contributions through research publications in reputed international journals, and active engagement in academic development, innovation, and inculcating research environment.

## PROFESSIONAL EXPERIENCE

**Associate Professor**, D.B.F. Dayanand College of Arts & Science, Solapur (07 September 1992 – till date)  
Recognized as Postgraduate Teacher

## RESEARCH INTERESTS

•Nanomaterials • Magnetic Materials • Ferrite • Supercapacitor • Antibacterial Applications • Ferrofluid

## RESEARCH CITATIONS

Citations	h- index	i10-index
62	05	03

## RESEARCH EXPERIENCE

Research experience of 10 years.

## RESEARCH PROJECTS

UGC(WRO)-funded Minor Research Project: *Development and Characterization of Co-Zn Ferrite Nanoparticles for Ferrofluid Applications* (File No. 47-455/2012 (WOR), ₹ 1.45/- Lakh)

## Email

eknathkore011@gmail.com

ekkore@dayanandsolapur.org

## Mobile

9405843922 / 9579220925

## EDUCATION

M. Sc.- Shivaji University, Kolhapur  
(1992)

Ph. D. - Punyashlok Ahilyadevi Holkar,  
Solapur University, Solapur (2022)

Thesis: DEVELOPMENT AND  
CHARACTERIZATION OF Co-Zn  
FERRITE NANOPARTICLES BY FECILE  
CHEMICAL ROUTE: APPLIATION TO  
FERROFLUID

M.Sc. Shivaji University (1992)  
Second Class (B+)

B.Sc. (Physics) Bapuji Salunkhe  
Mahavidyalaya, Miraj, Dist.: Sangli  
(1989) – Second Class with Hons

## PERSONAL DETAILS

Date of Birth: 01/06/1968

Nationality: Indian

## RESEARCH GUIDANCE

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Nil

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## CONFERENCE PRESENTATIONS

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International: 06

National: 02

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## TECHNICAL EXPERTISE

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XRD • FTIR • SEM/EDAX •  
UV-Visible DRS • BET Analysis • Magnetic  
Measurements

## PROFESSIONAL MEMBERSHIPS

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Life members of Indian Association of  
Physics Teachers (IAPT) since 2008 (L  
3960)

Life Member (Reg. No.  
KTM/TC/275/2015): Nanoscience &  
Nanotechnology Society, Kottayam,  
Kerala, India. Since 2015

Life member (L 30984): of Indian Science  
Congress Since 2016

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## SKILLS

Material Synthesis, Scientific Writing  
Seminar Presentation Organization  
and training

## CONTACT

Department of Physics  
D.B.F. Dayanand College of Arts & Science  
Raviwar Peth, Solapur – 413003,  
Maharashtra, India

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## PUBLICATIONS, BOOKS & PATENT

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**12+ Research Papers** in reputed journals (ACS, Elsevier, Springer, RSC, Wiley)

**21 Text Books Published** (Nirali Prakashan, Pune)

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## FACULTY DEVELOPMENT & TRAINING

FDP (University of Delhi)

Refresher & Orientation Courses (Pune University)

Workshop on Telescope Making - IUCAA, Pune (2004)

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## PARTICIPATION IN VARIOUS BODIES OF UNIVERSITY:

BOS Member of Chemistry, Willingdon College Sangli.

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## ACADEMIC & OUTREACH ACTIVITIES

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Participation in academic workshops, and FDPs

## AWARDS & RECOGNITION

Aavishkar Research Festival Awards (2016–17 & 2017-18)

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