DR. SADASHIV ANNAPPA KANADE

Professor and Head, Department of Physics, J. S. M. college,
Alibag, 402201
Dist: Raigad, India
Mobile: 9011110265
Email : sadakanade76@gmail.com

Research Interests

Thick Film Sensors, Microwave absorbing materials, Characterization of Materials at Microwave Frequencies, Synthesis of hydrophobic Silica aerogels and carbo gels, Nano Materials.

Research Projects

Completed Minor Research Project Funded by UGC,
'Synthesis, Characterization and microwave applications of High Q $Ba_xSr_{1-x}TiO_3$ Thick Films.

Experience

J. S. M. College, Alibag, since 13-6-2006. Present Designation Associate professor and Head, Department of Physics.

Rajaram College, Kolhapur, 3 Academic Years
(20-8-2003 to 30-4-2004)
(30-6-2004 to 30-4-2005)
(20-6-2005 to 30-4-2006

Lecturer, Department of Physics, Shivaji University, Kolhapur. 7-8-2002 to 30-4-2003

JRF in BARC-MoU Project entitled 'Scientific collaborations... shapes and sizes', in the Department of Physics, Shivaji University, Kolhapur for 2001-02.

Administrative Responsibilities

IQAC coordinator, J. S. M. College, Alibag, from 26-8-2018 to 14th June, 2022.
NSS PO, for academic year 2007-08.

Education

Ph. D. (Physics) Shivaji University, Kolhapur, 10-9-2010*Study of Thick Film Mn Co-Ni-Fe-O NTC Ceramics and Its Microwave Charactics using overlay technique*

M.Sc (Physics) Department of Physics, Shivaji University, Kolhapur, May 1999

B.Sc (Physics) Rajaram College, Kolhapur, affiliated to Shivaji University, Kolhapur, 1997

Skills

Liaised with colleagues and students as IQAC coordinator in reaching institutional objectives and goals toensure that standards were met.
ICT enabled teaching.

Research Publications

Research Papers: 14: total citations 271 h-index and i10 index 5

Book: 1

List of Publications:

1. Composition dependent resistivity of thick film $Ni_{(1-x)}Co_xMn_2O_4$: ($0 \leq x \leq 1$) NTC thermistors: S.A. Kanade, Vijaya Puri: *Materials Letters Volume 60, Issue 11*, *2006*, *Pages 1428-1431* 2. Composition dependent resistivity of thick film $Ni_{(1-x)}Co_xMn_2O_4$: ($0 \leq x \leq 1$) NTC thermistors: S.A. Kanade, VijayaPuri, *Materials Letters Volume 60, Issue 11*, *2006*, *Pages 1428-1431. 3.* Electrical properties of thick-film NTC thermistor composed of $Ni_{0.8}Co_{0.2}Mn_2O_4$ ceramic: Effect of inorganic oxide binder: *Materials Research Bulletin*, ,S.A. Kanade, VijayaPuri*, Volume 43, Issue 4*, *1 April 2008*, *Pages 819-824*
4. Study of thick film $Ni_{(1-x)}Co_xMn_2O_4$,($0 \leqslant x \leqslant 1$) using overlay technique on thick film microstrip ring resonator: *Microelectronics Journal,* S.A. Kanade, Vijaya Puri*, Volume 37, Issue 11*, *November 2006*, *Pages 1302-1305*
5. Properties of thick film $Ni_{0.6}Co_{0.4}Fe_yMn_{2-y}O_4$: ($0 \leq y \leq 0.5$) NTC ceramic:S.A. Kanade, VijayaPuri: *Journal of Alloys and Compounds, Volume 475, Issues 1-2*, *5 May 2009*, *Pages 352-355* 6. Response of Ag Thick Film Microstrip Straight Resonator to Thick Film $Ni_{(1-x)}Co_xMn_2O4$:$0 \leq x \leq 1$ overlay: S.A. Kanade, VijayaPuri: *Journal of Active and Passive Electronic Devices*:, Volume 5 , Number 3-4, 2010 *Pages* 229-238
7. Perturbation of Ag thick film microstrip ring resonator due to superstrate $Ni_{0.6}Co_{0.4}Ag_yMn_{2-y}O_4$ ceramics. :, RupaliJadhav, S. P. Patil, S. N. Mathad, S. A. Kanade, and VijayaPuri: *AIP Conf. Proc*. Volume 1536, Pages|: 1193-1194
8. Microwave Dielectric Characterization of $Ni_{(1-x)}Co_xMn_2O_4$: $0 \leq x \leq 1$ NTC Ceramics by Overlay on Straight Resonator:S.A. Kanade, VijayaPuri: *International Journal of Electronics, Electrical and Computational System:* Volume 3, Issue 5, July 2014 pages: 1 – 7
9. Perturbation of Microstrip Straight Resonator due to $Ni_{(1-x)}Co_xMn_2O_4$:$0 \leq x \leq 1$ Thick Overlay :S.A. Kanade, VijayaPuri *: International Journal of Electronics, Electrical and Computational System,* Volume 4, Issue 8 August 2015, Pages. 32-36,
10. Effect of $Ba_{1-x}Sr_xTiO_3$: $0 \leq x \leq 1$ Dielectric overlay on the Microstrip Straight Resonator: S.A. Kanade*,: International Journal of Engineering and Techniques.* Volume 3 Issue 6, Nov Dec-2017. Pages: 665-661
11. Effect of $Ni_{(1-x)}Co_xMn_2O_4$: $0 \leq x \leq 1$ Ceramic Overlay on the Characteristics Ag Thick film Microstripline: S.A. Kanade : *Solid Stat Technology*, Volume: 62 Issue: 4 Dec 2019 Pages: 26 -34 12. Structural, morphological, and magnetic study of low temperature synthesized $Co_{0.75}Ni_{0.25}Fe_{1.95}$ $Dy_{0.05}O_4$ nano ferrite: Ravindra N Chikhale,*, S A Kanad eand Pushpinder G, : *Physica Scripta,* Volume 96, Number 4, Pages: 1-11
13. Effect of $Ni_{(1-x)}Co_xMn_2O_4$: $0 \leq x \leq 1$ NTC Ceramic overlay on Ag Thick film ring resonator. S.A. Kanade, *Solid Stat Technology* : Volume: 64 Issue: 2, , (2021) Pages: 5926 – 5933 14. Low temperature rapid sol–gel auto-combustionsynthesis and structural, morphological andmagnetic study of nickel substituted cobalt nanoferrites: Ravindra N Chikhale* , SAKanade and Pushpinder G. Bhatia, : *Phase Transitions*, VOL. 94, NOS. 6–8, (2021) Pages, 511–526