
SUSHRISANGITA SAHOO

01.02.1990

Kuhunda, Cuttack, Odisha

Indian

At/PO- Kuhunda

Via-Kuanpal

Dist-Cuttack

Pin-754204

Odisha (India)

sushri1990@gmail.com

7853862777

University/Institute	Degree	Specialization/ Subjects	Year	Divison/ Class
Siksha 'O' A nusandhan (Deemed to be University), Bhubaneswar	Ph.D.	Physics, Multiferroic (Field of Research)	2018	-
Fakir Mohan University, Balasore	M.Sc.	Applied Physics and Ballistics	2012	First (68 %)

5. Capacitive and resistive characteristics of gallium modified lead zirconate titanate, Pulkit Sharma, Sugato Hajra, , P. K. Rout, R. N. P. Choudhary, Journal of Materials Science: Materials in Electronics 28 (2017) 12048
6. Structural and electrical characteristics of gallium modified PZT ceramics, Pulkit Sharma, Sugato Hajra, , Pravat Kumar Rout, Ram Naresh Prasad Choudhary, Processing and Application of Ceramics 11 [3] (2017) 171
7. Processing and electrical properties of gallium-substituted lead zirconate titanate ceramics Sugato Hajra, Pulkit Sharma, , P. K. Rout, R. N. P. Choudhary, Applied Physics A 123 (2017) 786
8. Influence of compositional variation on structural, electrical and Magneto-electric characteristics of $(\text{Ba}_{1-x}\text{Gd}_x)(\text{Ti}_{1-x}\text{Fe}_x)\text{O}_3$ ($0.2 \leq x \leq 0.5$),

14. Structural, dielectric and impedance characteristics of $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-BaTiO}_3$ electronic system Sugato Hajra, [https://doi.org/10.1016/j.jallcom.2018.05.077](#), Rutuparna Das, R.N.P. Choudhary, Journal of Alloys and Compounds 750 (2018) 507–512 & [https://doi.org/10.1016/j.jallcom.2018.05.077](#)
15. Processing, dielectric and impedance spectroscopy of lead free $\text{BaTiO}_3\text{-BiFeO}_3\text{-CaSnO}_3$ system Sugato Hajra, Manojit De, Kalyani Mohanta, R.N.P. Choudhary, Journal of Alloys and Compounds 766 (2018) 25–31 & [https://doi.org/10.1016/j.jallcom.2018.05.077](#)
16. Structural, electrical and ferroelectric characteristics of $\text{Bi}(\text{Fe}_{0.9}\text{P}_{0.1})\text{O}_6$ nBT/F6 11.04 Tf1 0 0 1 108.38 58

- L. A. Shilkina, I. N. Andryushina, S. I. Dudkina & L. A. Reznichenko, *Ferroelectrics*, 591 (2022) 7-15 ()
23. Peculiarities of the dependences of the dielectric properties of solid solutions of multicomponent systems on the electronegativity of their constituent cations, Andryushin Konstantin, Dudkina Svetlana, Shilkina Lidiya, Moysa Maksim, Andryushina Inna, Verbenko Iliya and Reznichenko Larisa, *Journal of Advanced Dielectrics* 12 (2022) 2244004 ()
 24. Crystal structure, microstructure, electrophysical properties, and thermally induced aging of PZT-CdNb₂O₆ ceramics Andryushin Konstantin, Pavelko Alexey, Shilkina Lidiya, Nagaenko Alxandr, Andryushina Inna, Moysa Maksim and Reznichenko Larisa, *Journal of Advanced Dielectrics* (2022) 2244005 ()
 25. Colossal dielectric response and complex impedance analysis of LaFeO₃ ceramics, K. P. Andryushin, P. K. Mahapatra and R. N. P. Choudhary, *Journal of Advanced Dielectrics* 12 (2022) 2250019 ()
 26. Influence of (0.19HfO₂-0.81ZrO₂) ceramics filler content on structural and dielectric properties of PVDF polymer, Abhinav Yadav, K.P. Andryushin, R.N.P. Choudhary, *Synthetic Metals* 287 (2022) 117097 (&)
 27. Structural transformation, dielectric and multiferroic properties of (Gd_{1-x}Ba_x)(Fe_{1-x}Ti_x)O₃ ceramics by tuning composition, Abhinav Yadav, K.P. Andryushin, P.K. Mahapatra, R.N.P. Choudhary, *Ceramics International* 49 (2023) 918 (&)
1. *Electronic Materials, Introduction, Processing, Characterization and Applications*, Sugato Hajra, R N P Choudhary ISBN No. 978-3-330-31924-0, Omni Scriptum GmbH & Co. KG
- c. BOOK CHAPTER**
1. Role and Prospects of Polymer based Nanomaterials in the Dielectric World, Abhinav Yadav, K.P. Andryushin, L.A. Reznichenko, Springer (Accepted)

Materials Chemistry and Physics (Elsevier)
Materials Research Bulletin (Elsevier)

Synthesis of multiferroic or Ferroelectric or Dielectric materials in different forms (such as ceramics in bulk and nano form, flexible polymer sheets or thick film) using various preparation method (such as Solid state reaction method, Chemical method, Ball milling or mechanical alloying, solution casting method etc.).

Characterization and analysis of different properties (such as structural using XRD, microstructural using SEM, Dielectric and impedance spectroscopy, transport properties (AC and DC), Multiferroic) of materials.

Software: Origin, Zsimpwin, MAUD, Xpert High Score, Mathematica, Fortran, Latex

I hereby declare that the information in the bio-data (CV) is true best of my knowledge and belief.

Date: 06.07.2023

Place: Tuskegee, AL, USA

A handwritten signature in black ink on a light green background. The signature reads "Sushrisangita Sahoo". To the right of the signature, there is a small, colorful logo consisting of several vertical bars of different colors (yellow, green, blue, red) and a small icon of a person. A small vertical text "© 2023" is visible on the right edge of the signature area.

Sushrisangita Sahoo