

PROFILE

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2) DATE OF BIRTH : 01.02.1990
3) PLACE OF BIRTH : Kuhunda, Cuttack, Odisha
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7) EDUCATIONAL CAREER :

University/Institute	Degree	Specialization/ Subjects	Year	Divison/ Class
6 L N V K D ¶ 2 · \$ Q (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, Sushrisangita Sahoo, P.K. Rout, R.N. P. Choudhary, Journal of Materials Science: Materials in Electronics 28 (2017) 12048 (Springer)
6. Structural and electrical characteristics of gallium modified PZT ceramics, Pulkit Sharma, Sugato Hajra, Sushrisangita Sahoo, 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, Sushrisangita Sahoo, P. K. Rout, R. N. P. Choudhary, Applied Physics A 123 (2017) 786 (Springer)
8. Influence of compositional variation on structural, electrical and Magneto-electric characteristics of $(\text{Ba}_{1-x}\text{Gd}_x)(\text{Ti}_{1-x}\text{Fe}_x)\text{O}_3$ " ["

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, Sushrisangita Sahoo, Rutuparna Das, R.N.P. Choudhary, Journal of Alloys and Compounds 750 (2018) 507(Elsevier)
15. Processing, dielectric and impedance spectroscopy of lead free $\text{BaTiO}_3\text{-BiFeO}_3\text{-CaSnO}_3$ Sushrisangita Sahoo, Sugato Hajra, Manojit De, Kalyani Mohanta, R.N.P. Choudhary, Journal of Alloys and Compounds 766 (2018) 25(Elsevier)
16. Structural, electrical and ferroelectric characteristics of $\text{Bi}(\text{Fe}_{0.9}\text{P}_{0.1})\text{O}_6$ BT /F6 11.04 Tf 1 0 0 1 108

- L. A. Shilkina, I. N. Andryushina, S. I. Dudkina & L. A. Reznichenko, *Ferroelectrics*, 591 (2022)7-15 (Taylor & Francis)
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, Sahoo Sushrisangita, Moysa Maksim, Andryushina Inna, Verbenko Iliya and Reznichenko Larisa, *Journal of Advanced Dielectrics* 12 (2022) 2244004 (World Scientific)
 24. Crystal structure, microstructure, electrophysical properties, and thermally induced aging of PZT-CdNb₂O₆ ceramics Andryushin Konstantin, Pavelko Alexey, Sahoo Sushrisangita, Shilkina Lidiya, Nagaenko Alexandr, Andryushina Inna, Moysa Maksim and Reznichenko Larisa, *Journal of Advanced Dielectrics* (2022) 224005 (World Scientific)
 25. Colossal dielectric response and complex impedance analysis of LaFeO₃ ceramics, Sushrisangita Sahoo, K. P. Andryushin, P. K. Mahapatra and R. N. P. Choudhary, *Journal of Advanced Dielectrics* 12 (2022) 2250019 (World Scientific)
 26. Influence of (0.19HfO₂-0.81ZrO₂) ceramics filler content on structural and dielectric properties of PVDF polymer Sushrisangita Sahoo, Abhinav Yadav, K.P. Andryushin, R.N.P. Choudhary, *Synthetic Metals* 287 (2022) 117097 (Elsevier)
 27. Structural transformation, dielectric and multiferroic properties of (Gd_{1-x}Ba_x)(Fe_{1-x}Ti_x)O₃ ceramics by tuning composition Sushrisangita Sahoo, Abhinav Yadav, K.P. Andryushin, P.K. Mahapatra, R.N.P. Choudhary, *Ceramics International* 49 (2023) 918 (Elsevier)
- b. BOOK
1. *Electronic Materials, Introduction, Processing, Characterization and Applications*, Sushrisangita Sahoo, Sugato Hajra, R N P Choudhary ISBN No. 9783-330-31924-0, Omni Scriptum GmbH & Co. KG
- c. BOOK CHAPTER
1. Role and Prospects of Polymer based Nanomaterials in the Dielectric World, Sushrisangita Sahoo, Abhinav Yadav, K.P. Andryushin, L.A. Reznichenko, Springer (Accepted)
- d. CONFERENCE PROCEEDINGS

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

15) SKILLS AND TECHNIQUES

- x 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.).
- x Characterization and analysis of different properties (such as structural using XRD, microstructural using SEM, Dielectric and impedance spectroscopy, transport properties (AC and DC), Multi ferroic) of materials.
- x Software: Origin, Zsimpwin , MAUD, Xpert High Score, Mathematica, Fortran, Latex

16) DECLARATION

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

Date: 06.072023

Place: Tuskegee, AL, USA

Sushrisangita Sahoo