



**GOVERNMENT AUTONOMOUS COLLEGE, ANGUL, ODISHA-759143**

**ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ଅନୁଗୋଳ, ଓଡ଼ିଶା: ୭୫୯୧୪୩**

**email:principalgaca@gmail.com**

**BIBLIOMETRICS OF THIS HEI**  
**SCOPUS ID: 116579083, 112196779**

**A. Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed:**

YEAR	2024	2023	2022	2021	2020	2019
CITATIONS	7	32	1	60	42	15

**B. Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**

YEAR	2024	2023	2022	2021	2020	2019
H INDEX	7	6	6	5	3	3

**COORDINATOR**  
**RESEARCH & COORDINATION COMMITTEE**

**PRINCIPAL**

**Principal**  
**Govt. Auto. College, Angul**

**GOVERNMENT AUTONOMOUS COLLEGE, ANGUL, ODISHA-759143****ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ଅନୁଗୋଳ, ଓଡ଼ିଶା: ୭୫୯୧୪୩****SCI/ SCOPUS PUBLICATION (H INDEX & CITATION)**

SL NO	AUTHORS	TITLE	YEAR	JOURNAL NAME	CITATION	DOI	ISSN
1	Paikaray R.; Badapanda T.; Mohapatra H.; Richhariya T.; Tripathy S.N.	Investigations of structural, photoluminescence, colorimetric, lifetime, and luminous efficiency of Tb <sup>3+</sup> and Sm <sup>3+</sup> co-doped calcium tungstate for WLEDs	2024	Materials Today Communications	1	10.1016/j.mtcomm.2024.109296	23524928
2	Sahoo S.; Badapanda T.; Kumar D.; Rout S.K.; Ray J.; Tripathy S.N.	Exploration of structural, relaxor behavior and energy storage performance of Bi(Mg <sub>2/3</sub> Ta <sub>1/3</sub> )O <sub>3</sub> modified BaTiO <sub>3</sub>	2024	Journal of Molecular Structure	1	10.1016/j.molstruc.2024.138006	222860
3	Paikaray R.; Badapanda T.; Mohapatra H.; Richhariya T.; Tripathy S.N.	Investigations of structural, photoluminescence, colorimetric, lifetime, and luminous efficiency of Tb <sup>3+</sup> and Sm <sup>3+</sup> co-doped calcium tungstate for WLEDs	2024	Materials Today Communications	1	10.1016/j.mtcomm.2024.109296	23524928
4	Ray A.; Nayak M.; Joardar H.; Sahoo S.; Badapanda T.; Jena P.; Mishra S.K.; Mittal R.; Tripathy S.N.	Investigation of dynamic scaling behavior, electrocaloric performance, and pyroelectric energy storage of Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> ceramic	2024	Chemical Physics Impact	1	10.1016/j.chphi.2024.100555	26670224
5	Mohapatra S.R.; Dhara S.; Palai R.; Pradhan D.K.; Tripathy S.N.	Low-temperature dielectric and magnetic performance of BiFeO <sub>3</sub> multiferroic ceramics	2024	Bulletin of Materials Science	1	10.1007/s12034-023-03113-z	2504707

6	Bhargavi G.N.; Badapanda T.; Anwar M.S.; Tlija M.; Joardar H.; Tripathy S.N.	Understanding the impact of gadolinium substitution on the impedance and conduction mechanism of barium zirconium titanate ceramics	2024	Journal of Materials Science: Materials in Electronics	1	10.1007/s10 854-024- 13741-8	9574522
7	Ray A.; Nayak M.; Joardar H.; Sahoo S.; Badapanda T.; Jena P.; Mishra S.K.; Mittal R.; Tripathy S.N.	Investigation of dynamic scaling behavior, electrocaloric performance, and pyroelectric energy storage of Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> ceramic	2024	Chemical Physics Impact	1	10.1016/j.ch phi.2024.10 0555	26670224
8	Satapathy K.K.; Tripathy S.N.	Fuels: a key factor to influence the luminescence properties of CaAl <sub>2</sub> O <sub>4</sub> : Dy phosphors	2024	European Physical Journal B	0	10.1140/epj b/s10051- 024-00799- w	14346028
9	Bhuyan R.K.; Parida S.K.	Investigation of structural, dielectric and optical properties of the (Bi <sub>0.5</sub> La <sub>0.5</sub> Fe) <sub>0.5</sub> (Bi <sub>0.5</sub> Na <sub>0.5</sub> Ti) 0.5O <sub>3</sub> perovskite for some electronic devices	2024	International Journal of Modern Physics B	0	10.1142/S02 1797922550 0535	2179792
10	Lakshmanan C.; Viswanath R.N.; Behera A.K.; Ajikumar P.K.; Rajaraman R.	Microstructure Analysis of Silicon Nanowalls: Insights from Positron Beam Doppler Broadening Measurements	2024	Silicon	0	10.1007/s12 633-024- 03075-9	1876990X

11	Thara M.N.; Chatterjee K.; Raju M.; Rout S.; Priyadharshini M.; Prasad K.S.; Suraj Kumar S.; Reddy M.S.	LaCK: Lung Cancer Classification and Detection using Convolutional Neural Network-based Gated Recurrent Unit Neural Network Model	2024	2024 Asia Pacific Conference on Innovation in Technology, APCIT 2024	0	10.1109/APCIT62007.2024.10673586	979-835036153-7
12	Soumik De, Raghava Sahu, Shubhendu Palei, Laxmi Narayan Nanda	Synthesis, SAR, and application of JQ1 analogs as PROTACs for cancer therapy☆	2024	Bioorganic & Medicinal Chemistry	0	<a href="https://doi.org/10.1016/j.bmc.2024.117875">https://doi.org/10.1016/j.bmc.2024.117875</a>	0968-0896
13	Padmanava Barik, a Subhra Sriharsa Behera, a Laxmi Kanta Nayak, a Laxmi Narayan Nand Santosh Kumar Nanda Padmanava Patria	Transition metal catalysed cascade C–C and C–O bond forming events of alkynes, Org.	2024	Org. Biomol. Chem.	0	<a href="https://doi.org/10.1039/D3OB02044D">https://doi.org/10.1039/D3OB02044D</a>	1477-0520
14	Dr. Santosh Kumar Nanda, Dr. Laxmi Narayan Nanda, Juhi Pal, Dr. Santosh J. Gharpure	New Avenues for the Synthesis of Oxa-Cycles Using Lewis/Brønsted Acid Mediated Carboxylation and Carboalkoxylation of Alkynes	2024	EurJOC (European Journal of Organic Chemistry)	0	<a href="https://doi.org/10.1002/ejoc.20240104">https://doi.org/10.1002/ejoc.20240104</a>	1099-0690
15	Paikaray R.; Badapanda T.; Mohapatra H.; Richhariya T.; Brahme N.; Tripathy S.N.	Structural, photoluminescence, and thermoluminescence behaviors of Samarium doped CaWO <sub>4</sub> phosphor	2023	Materials Science and Engineering: B	9	10.1016/j.mseb.2023.116511	9215107
16	Mohapatra B.; Rautray T.R.	Ceramic coatings for wound healing applications	2023	Advanced Ceramic Coatings for Biomedical Applications	8	10.1016/B978-0-323-99626-6.00004-4	9.78E+12

17	Paikaray R.; Badapanda T.; Mohapatra H.; Richhariya T.; Tiwari K.; Brahme N.; Tripathy S.N.	Exploration of crystal structure, and luminescence behaviors of Terbium- activated CaWO <sub>4</sub> phosphor	2023	Journal of Molecular Structure	6	10.1016/j.m olstruc.2023 .135902	222860
18	Mishra M.; Acharyya T.; Pattnaik N.; Dash M.K.; Das P.P.; Mishra S.K.	The long-term frequency and intensity of cyclonic storms and associated losses in Odisha, India	2023	Environmental Hazards	5	10.1080/17 477891.202 2.2069665	17477891
19	Sahoo S.; Badapanda T.; Kumar D.; Rout S.K.; Mohanty S.; Ray J.; Tripathy S.N.	Structural, relaxor behavior, and energy storage performance of BaTiO <sub>3</sub> -Bi (Mg <sub>2</sub> /3Nb <sub>1</sub> /3)O <sub>3</sub> solid solutions for potential MLCC application	2023	Ceramics International	3	10.1016/j.ce ramint.2023 .09.096	2728842
20	Rath A.; Mohapatra S.R.; Singh A.K.; Kaushik S.D.; Dhara S.; Chandrakant K.; Jena R.; Mohanty H.S.; Tripathy S.N.	Substantial enhancement in magnetic and magnetodielectric properties of 0.7(Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> )- 0.3(La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> ) composite	2023	Journal of Magnetism and Magnetic Materials	1	10.1016/j.j mmm.2023. 170813	3048853
21	Paikaray R.; Badapanda T.; Richhariya T.; Behera S.; Tripathy S.N.	Analysis of Structural, Photoluminescence, and Colorimetric Performance of Gd- Incorporated BNT Ceramic	2023	Journal of Fluorescence	0	10.1007/s10 895-023- 03544-1	10530509
22	Behera A.K.; Viswanath R.N.; Mathews T.	Effect of H <sub>2</sub> O <sub>2</sub> Concentration on Morphology, Reflectivity and Wettability of Silicon Nanowalls Prepared by Metal Assisted Chemical Etching	2023	Asian Journal of Chemistry	0	10.14233/aj chem.2023. 28099	9707077

23	Paikaray R.; Badapanda T.; Richhariya T.; Behera S.; Tripathy S.N.	Analysis of Structural, Photoluminescence, and Colorimetric Performance of Gd- Incorporated BNT Ceramic	2023	Journal of Fluorescence	0	10.1007/s10 895-023- 03544-1	10530509
24	D. K. Das, H. Bhattacharjee, S. K. Sahoo and S. Sahoo	Dependence of thermal conductivity of graphene on the coefficient of linear expansion and temperature	2023	Materials Today: Proceedings	0	<a href="https://doi.org/10.1016/j.matpr.2023.06.149">https://doi.org/10.1016/j.matpr.2023.06.149</a>	2214-7853
25	Anil Kumar Behara, Tom Mathews	Effect of H <sub>2</sub> O <sub>2</sub> Concentration on Morphology, Reflectivity and Wettability of Si Nanowalls Prepared by Metal Assisted Chemical Etching	2023	Asian Journal of Chemistry	0	<a href="https://doi.org/10.14233/ajchem.2023.28099">https://doi.org/10.14233/ajchem.2023.28099</a>	0975-427X
26	Sahoo B.K.; Pradhan S.; Das S.; Barik S.K.; Patnaik P.; Bhuyan R.K.; Panda B.N.	Study of effective de- Gennes factor and effect of doping on superconductivity in rare-earth nickel borocarbide superconductors	2022	Materials Today: Proceedings	0	10.1016/j.m atpr.2022.0 6.535	22147853
27	P.G.R. Achary, Asit Amitabh Nayak, R.K. Bhuyan, R.N.P. Choudhary, S.K. Parida	Effect of cerium dopant on the structural and electrical properties of SrMnO <sub>3</sub> single perovskite	2021	Journal of Molecular Structure	48	<a href="https://doi.org/10.1016/j.molstruc.2020.129391">https://doi.org/10.1016/j.molstruc.2020.129391</a>	222860
28	Mishra M.; Acharyya T.; Pattnaik N.	Characterizing shifting pattern of disaster- induced death and disaster management policies: a regional analysis from Odisha, India	2021	Current Science	7	10.18520/cs /v120/i11/1 721-1727	113891

29	Tapaswini S.; Behera D.	Imprecisely defined fractional-order Fokker–Planck equation subjected to fuzzy uncertainty	2021	Pramana - Journal of Physics	3	10.1007/s12043-020-02033-5	3044289
30	Patra, S.R., Bhuyan, R.K	Organic polymer and perovskite CdSe–CdS QDs hybrid thin film: a new model for the direct detection of light elements	2021	J Mater Sci: Mater Electron	2	<a href="https://doi.org/10.1007/s10854-021-05276-z">https://doi.org/10.1007/s10854-021-05276-z</a>	1573-482X
31	Rajanikanta Parida Parida,Bichitrananda Parida,Ranjan Kumar Bhuyan &Santosh Kumar Parida	Structural, mechanical and electric properties of La doped BNT-BFO perovskite ceramics	2020	Ferroelectrics	25	<a href="https://doi.org/10.1080/00150193.2020.1853751">https://doi.org/10.1080/00150193.2020.1853751</a>	0015-0193
32	Bhuyan R.K.; Pamu D.; Sahoo B.K.; Sarangi A.K.	Structural and thermal study of Mg <sub>2</sub> TiO <sub>4</sub> nanoparticles synthesized by mechanical alloying method	2020	Micro and Nanosystems	7	10.2174/1876402911666190613105851	18764029
33	Mishra S.P.; Garnayak S.; Bhuyan R.K.; Nath G.	Design and analysis of effective graded microwave absorbing material for low observable technology	2020	Indian Journal of Pure and Applied Physics	5	<a href="http://nopr.niscpr.res.in/handle/123456789/55118">http://nopr.niscpr.res.in/handle/123456789/55118</a>	195596
34	Tapaswini S.; Behera D.	Analysis of imprecisely defined fuzzy space-fractional telegraph equations	2020	Pramana - Journal of Physics	5	10.1007/s12043-019-1889-x	3044289
35	Ranjan Kumar Bhuyan, Ranjan Kumar Mohapatra, Ganeswar Nath, Basanta Kumar Sahoo, Debadutta Das, D Pamu	Influence of high energy ball milling on structural, microstructural and optical properties of Mg <sub>2</sub> TiO <sub>4</sub> nanoparticles	2019	Journal of Materials Science: Materials in Electronics	15	<a href="https://doi.org/10.1007/s10854-019-02568-3">https://doi.org/10.1007/s10854-019-02568-3</a>	0957-4522

36	Dias F.T.; Vieira V.N.; Wolff-Fabris F.; Kampert E.; Gouvêa C.P.; Campos A.P.C.; Archanjo B.S.; Schaf J.; Obradors X.; Puig T.; Roa J.J.; Sahoo B.K.	High-field paramagnetic Meissner effect up to 14 T in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub>	2016	Physica C: Superconductivity and its Applications	3	10.1016/j.physc.2016.03.013	9214534
37	Das M.; Mahapatra P.K.	Blood cell profile of the tadpoles of <i>Chirixalus simus</i> (Anura: Rhacophoridae) during development and metamorphosis	2016	Russian Journal of Herpetology	2	<a href="https://www.folium.ru/rjh/">https://www.folium.ru/rjh/</a>	10262296
38	Sahoo B.K.; Panda B.N.	Competition of superconductivity and antiferromagnetism in RNi <sub>2</sub> B <sub>2</sub> C (R = Tm, Dy, Ho, Er)	2015	Physica C: Superconductivity and its Applications	3	10.1016/j.physc.2015.03.018	9214534