

PERSONAL DETAILS	
Name	Smt. Nibedita Sasmal
Designation	Assistant Professor of Physics
Address	Department of Physics S. K. C. G (Auto.) College Paralakhemundi, Gajapati, Odisha
Phone No/Mob. No.	9437781287
Email	nsasmal92@yahoo.co.in

AWARDS AND DISTINCTIONS
<ol style="list-style-type: none"> 1. University Gold Medal in B. Sc. (Physics) 2. University Gold Medal for Best Graduate - 2008 3. CSIR - UGC - NET LS 4. GATE

EDUCATIONAL QUALIFICATIONS		
DEGREE	INSTITUTION/UNIVERSITY	YEAR
M. Sc.	Jadavpur University, West Bengal	2010
B. Sc.	Ravenshaw University, Odisha	2008

CAREER PROFILE
<ol style="list-style-type: none"> 1. Lecturer in Physics, Directorate of Skill Development and Technical Education, Bhubaneswar, Odisha (16 October 2015 to 23 January 2018) 2. Assistant Professor of Physics, Department Physics, S K C G (Auto) College, Paralakhemundi, Gajapati, Odisha (24 January 2018 to continue...)

AREAS OF INTEREST / SPECIALIZATION
<ol style="list-style-type: none"> 1. Condensed Matter Physics 2. Alkaline-earth Oxide Sealant Glasses for SOFC 3. Mica Glass-ceramics for SOFC 4. Chalcogenide Glasses 5. History of Scientific Discoveries and Inventions

ASSOCIATION WITH PROFESSIONAL BODIES/COMMITTEES
<ol style="list-style-type: none"> 1. Chairman - Board of Studies, Department of Physics, SKCG (Auto.) College, Paralakhemundi, Gajapati, Odisha.(2018, 2019 & 2020) 2. Life Member of Orissa Physical Society

PUBLICATION PROFILE

BOOKS/MONOGRAPHS (AUTHORED/EDITED)

CHAPTERS (AUTHORED/EDITED)

1. Nibedita Sasmal and Basudeb Karmakar, Nanoglass and Nanostructured Chalcogenide Glasses in Glass Nanocomposites: Synthesis, Properties and Applications, pp. 359-375 (2016), ISBN- 978-0-323-39309-6, William Andrew Applied Science Publisher.

RESEARCH PAPERS PUBLISHED IN REFEREED/PEER REVIEWED JOURNALS

1. Nibedita Sasmal, Mrinmoy Garai, Atiar Rahman Molla, Anal Tarafder, Shiv Prakash Singh, Basudeb Karmakar, "Effects of lanthanum oxide on the properties of barium-free alkaline-earth borosilicate sealant glass", Journal of Non-Crystalline Solids 387 (2014) 62–70
2. Mrinmoy Garai, Nibedita Sasmal, Atiar Rahman Molla, Shiv Prakash Singh, Anal Tarafder, Basudeb Karmakar, "Effects of nucleating agents on crystallization and microstructure of fluorophlogopite mica-containing glass–ceramics", Journal of Material Science 49 (2014) 1612–1623
3. Nibedita Sasmal, Mrinmoy Garai, Basudeb Karmakar, "Preparation And Characterization Of Novel Foamed Porous Glass-Ceramics" Material Characterization 103 (2015) 90-100
4. Mrinmoy Garai, Nibedita Sasmal, Basudeb Karmakar, "Structural Effects Of Zn⁺²/Mg⁺² Ratios On Crystallization Characteristics And Microstructure Of Fluorophlogopite Mica-Containing Glass-Ceramics", Solid State Sciences 44 (2015) 10-21
5. Mrinmoy Garai, Nibedita Sasmal, Atiar Rahaman Molla, Anal Tarafder, Basudeb Karmakar, "Effects Of In-Situ Generated Coinage Nanometals On Crystallization And Microstructure Of Fluorophlogopite Mica Containing Glass–Ceramics", Journal of Material Science & Technology 31 (2015) 110-119
6. Nibedita Sasmal, Mrinmoy Garai, Basudeb Karmakar, "Influence Of Ce, Nd, Sm And Gd Oxides On The Properties Of Alkaline-Earth Borosilicate Glass Sealant", Journal of Asian Ceramic Societies 4 (2016) 29-38
7. Atiar Rahaman Molla, Anal Tarafder, Nibedita Sasmal, and Basudeb Karmakar, "Synthesis And Characterization Of Low Tg As-S-I Chalcohalide Glass For Processing Of Raw Diamonds", International Journal of Applied Glass Science (2016) 1-5

EDITING EXPERIENCE

SYMPOSIUM/WORKSHOP/CONFERENCE/SEMINAR ORGANIZATION/ PRESENTATIONS

1. Participated in State Level E-Workshop (Webinar) on "COVID-19: Awareness, Health and Hygiene", SKCG (Auto.) College, Paralakhemundi, Gajapati, Odisha on 07-05-2020.
2. Participated in National Level E-Seminar (Webinar) on "Indian Science & Sanskrit", SKCG (Auto.) College, Paralakhemundi, Gajapati, Odisha on 30-04-2020.
3. Participated in International e-Conference on "Strategies and Challenges in Higher Education during Covid-19 Lockdown Period in India with Reference to the World", Organised by Govt. of Maharashtra, Govt. Vidarbha Institute of Science and Humanities, Maharashtra from 15-17 May 2020.
4. Participated in NSRPTA-2020 Organised by Orissa Physical Society and Department of Physics, VSSUT, Sambalpur from 8-9 February 2020.
5. Presented Oral in Research Scholar's Day Organized by CSIR-CGCRI Kolkata on 18th September 2015.
6. Presented poster in the International Conference in Asia, IUMRS-ICA-2013 organized by the Material Research Society of India (MRSI) on behalf of the International Union of Material Research Society (IUMRS) at IISC, Bangalore from 16 to 20th December 2013.
7. Presented poster in the National Symposium on Materials and Processing-2012 (MAP-2012) Functional Glass/Glass Ceramics, Advanced Ceramics and High Temperature organized by the Material Research Society of India (MRSI) (Mumbai Chapter) in association with Bhabha Atomic Research Centre, Mumbai from 10 to 12th October 2012.

ORIENTATION/REFRESHER/FDP/TRAINING COURSES

1. Induction Training Programme at Utkal University Organized by DHE, Odisha.

RESEARCH PROJECT

OTHER ACTIVITIES

(Nibedita Sasmal)