

### StaffDetails

|                                                     |                             |                    |                              |                                                               |            |                                                                                     |
|-----------------------------------------------------|-----------------------------|--------------------|------------------------------|---------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| Title                                               | Dr.                         | FirstName          | SATISH                       | LastName                                                      | SAMANTARAY | Photograph                                                                          |
| Designation                                         | ASSISTANT PROFESSOR         |                    |                              |                                                               |            |  |
| Department                                          | CHEMISTRY                   |                    |                              |                                                               |            |                                                                                     |
| Phone Number (Office)                               | +91-7978920125              |                    |                              |                                                               |            |                                                                                     |
| Email                                               | satishsamantaray@gmail.com  |                    |                              |                                                               |            |                                                                                     |
| EducationalQualifications                           |                             |                    |                              |                                                               |            |                                                                                     |
| Subject                                             | Institution                 |                    | Year                         | Details                                                       |            |                                                                                     |
| Ph.D.<br>(CHEMISTRY)                                | N.I.T.,<br>ROURKELA         |                    | 2012                         | Nanomaterials,<br>Environmental Catalysis,<br>Green Chemistry |            |                                                                                     |
| M.Sc.<br>(CHEMISTRY)                                | N.I.T.,<br>ROURKELA         |                    | 2008                         |                                                               |            |                                                                                     |
| B.Sc.<br>(CHEMISTRY)                                | GODAVARISH<br>MAHAVIDYALAYA |                    | 2006                         |                                                               |            |                                                                                     |
| Professional Experiences                            |                             |                    |                              |                                                               |            |                                                                                     |
| Organisation/Institution                            |                             | Designation        | Duration                     | Role                                                          |            |                                                                                     |
| Govt. Science College,<br>Chatrapur                 |                             | Asst.<br>Professor | 19/08/2025 --- contd..       | Teaching & Research                                           |            |                                                                                     |
| SKCG (A) College,<br>Paralakhemundi, Odisha         |                             | Asst. Professor    | 29/08/2023 ---<br>18/08/2025 | Teaching & Research                                           |            |                                                                                     |
| Binayak Acharya Degree<br>College, Behampur, Odisha |                             | Lecturer (ADHOC)   | 01/03/2019 ---<br>28/08/2023 | Teaching & Research                                           |            |                                                                                     |

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| Government Degree College,<br>Koraput, Odisha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lecturer (ADHOC) | 22/01/2015 ---<br>28/02/2019 | Teaching |
| Teaching Experience (Subjects/Courses Taught)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                              |          |
| <b>U.G. (CORE &amp; MINOR):</b> 11 Years<br><b>P.G.:</b> 03 Years<br><b>Courses Taught:</b><br><b>UG:</b> Core- I, II, IV, VI, VII, VIII, IX, XII, XIII, DSE- I, III<br>MINOR- I, IV<br><b>PG:</b> C-104, 204, CT-300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                              |          |
| Honors&Awards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                              |          |
| Publications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                              |          |
| <ol style="list-style-type: none"> <li><b>Satish Samantaray</b>, P. Kar, G. Hota and B.G. Mishra, Sulfate Grafted Iron Stabilized Zirconia Nanoparticles as Efficient Heterogenous Catalyst for Solvent free Synthesis of Xanthenediones under Microwave Irradiation, <i>Ind. Eng. Chem. Res.</i>, 52 (2013) 5862–5870.</li> <li>P. Kar, <b>Satish Samantaray</b> and B.G. Mishra, Catalytic application of chromia-pillared montmorillonite towards environmentally benign synthesis of octahydroxanthenes, <i>Reac. Kinet. Mech. Cat.</i> 108 (2013) 241–251.</li> <li><b>Satish Samantaray</b>, D.K. Pradhan, G. Hota and B.G. Mishra, Catalytic application of CeO<sub>2</sub>-CaO nanocomposite oxide synthesized using amorphous citrate process towards the aqueous phase one pot synthesis of 2-amino-2-chromenes, <i>Chem. Eng. J.</i> 193-194 (2012) 1-9.</li> <li><b>Satish Samantaray</b> and B.G. Mishra, Combustion synthesis, characterization and catalytic application of MoO<sub>3</sub>-ZrO<sub>2</sub> nanocomposite oxide towards one pot synthesis of octahydroquinazolinones, <i>J. Mol. Catal. A: Chem.</i> 339 (2011) 92-98.</li> <li><b>Satish Samantaray</b>, G. Hota and B.G. Mishra, Physicochemical characterization and catalytic applications of MoO<sub>3</sub>- ZrO<sub>2</sub> composite oxides towards one pot synthesis of amidoalkyl naphthols, <i>Catal. Commun.</i> 12 (2011) 1255-1259.</li> <li><b>Satish Samantaray</b>, Sudhir Kumar Sahoo and B. G. Mishra, Phosphomolybdic acid dispersed in the micropores of sulfate treated Zr-Pillared clay as efficient heterogeneous catalyst for the synthesis of <math>\beta</math>-aminocarbonyl compounds in aqueous media, <i>J. Porous Mater.</i> 18 (2011) 573-580.</li> <li><b>Satish Samantaray</b>, B.G. Mishra, D.K. Pradhan and G. Hota, Solution combustion synthesis and physicochemical characterization of ZrO<sub>2</sub>-MoO<sub>3</sub> nanocomposite oxides prepared using different fuels, <i>Ceram. Int.</i> 37 (2011) 3101-3108.</li> </ol> |                  |                              |          |

8. M.A. Naik, **Satish Samantaray** and B.G. Mishra, Phosphotungstic acid nanoclusters grafted onto high surface area hydrous zirconia as efficient heterogeneous catalyst for synthesis of octahydroquinazolinones and  $\beta$ -acetamido ketones, *J. Cluster Sci.* 22 (2011) 295-307.

9. M.A. Naik, **Satish Samantaray**, B.G. Mishra and A. Dubey, Phosphomolybdic acid dispersed in Al-pillared clay (PMA/Al-PILC) as heterogeneous catalyst for the benign synthesis of benzoxanthenes under solvent free conditions, *React. Kin. Catal. Lett.* 98 (2009) 125.

PublicService/UniversityService/CollegeService/ConsultingActivity/College Committee members

ProfessionalSocietiesMemberships

Projects(MajorGrants/Collaborations)

OtherDetailsifany