

**Teacher's Profile:**

<b>Name of the Teacher</b>	<b>Dr. Sarat Chandra Patra</b>
<b>Age</b>	38 Y
<b>Gender</b>	Male
<b>Academic Qualification</b>	M.Sc., Ph.D.
<b>Professional Qualification</b>	Nil
<b>Awards and Recognitions</b>	<ul style="list-style-type: none"> <li>• Dr. D S Kothari Fellowship (a UGC sponsored national postdoctoral research fellowship), 2016</li> <li>• Extended Senior Research Fellowship (Council of Scientific and Industrial Research, CSIR), 2015</li> <li>• Qualified GATE, 2015</li> <li>• Senior Research Fellowship (CSIR, New Delhi, India), 2013</li> </ul>
<b>Designation</b>	State Aided College Teacher (SACT)
<b>Date of joining the college</b>	01.08.2018
<b>Years of Teaching Experience</b>	11 Y
<b>Administrative Experience</b>	Working as a member of College Admission Committee since 2020
<b>Professional Experience</b>	Evaluated C.U. Chemistry General Examination Answer Scripts (1+1+1 and CBCS) from 2019 and Conducted Practical Examinations as Internal Examiner in 2022 (Papers DSE-A3 P, DSE-B1 P, DSE-B4, CC-8 P, GE-4/CC 4 P, CC-3 P)
<b>Research work/project</b>	Associated as a visiting researcher with the laboratory of Dr. Kausikisankar Pramanik at Jadavpur University
<b>Research Publications</b>	<p>9. "Azo-oximate metal-carbonyl to metalcarboxylic acid via the intermediate Ir(iii) radical congener: quest for co-ligand driven stability of open- and closed-shell complexes." Soumitra Dinda, Shuvam Pramanik, Jaydeep Basu, <b>Sarat Chandra Patra</b>, Kausikisankar Pramanik and Sanjib Ganguly, <i>Dalton Trans.</i>, <b>2022</b>,51, 10121-10135.</p> <p>8. "Ruthenocycles of benzothiazolyl and pyridyl hydrazones with ancillary PAHs: synthesis, structure, electrochemistry and antimicrobial activity." Soumitra Dinda, Tamanna Sultana, Suhana Sultana, <b>Sarat Chandra Patra</b>, Arup Kumar Mitra, Subhadip Roy, Kausikisankar Pramanik and Sanjib Ganguly, <i>New J. Chem.</i>, <b>2020</b>, 44, 11022-11034.</p> <p>7. "Polyaromatic hydrocarbon derivatized azo-oximes of cobalt(iii) for the ligand-redox controlled electrocatalytic oxygen reduction reaction." Soumitra Dinda, Syamantak Roy, <b>Sarat Chandra Patra</b>, Subhrajyoti Bhandary, Kausikisankar Pramanik and Sanjib Ganguly, <i>New J. Chem.</i>, <b>2020</b>,44, 3737-3747.</p> <p>6. "Coligand driven diverse organometallation in benzothiazolyl-hydrazone derivatized pyrene: ortho vs. peri C-H activation." Soumitra Dinda, <b>Sarat Chandra Patra</b>, Subhadip Roy, Supriyo Halder, Thomas Weyhermüller, Kausikisankar Pramanik and Sanjib Ganguly, <i>New J. Chem.</i>, <b>2020</b>, 44, 1407-1417.</p> <p>5. "Rhodium assisted peri-C-H activation in benzothiazolyl-hydrazone derivatized pyrene." Soumitra Dinda, <b>Sarat Chandra Patra</b>, Tridib Samanta, Ambika Basu, Kausikisankar Pramanik, Sanjib Ganguly, <i>Polyhedron</i>, <b>2020</b>, 179, 114352.</p> <p>4. "Palladium and platinum complexes of glyoxalbis(N-</p>

	<p>aryl)osazone: molecular and electronic structures, anti-microbial activities and DNA-binding studies.”  <b>Sarat Chandra Patra</b>, Amit Saha Roy, Saswati Banerjee, Ananya Banerjee, Ranjan Bhadra, Krishna Das Saha, Kausikisankar Pramanik and Prasanta Ghosh, <i>New J. Chem.</i>, <b>2019</b>, <i>43</i>, 9891-9901.</p> <p>3. “Rhodium(III) complex with pyrene-pyridyl-hydrazone: synthesis, structure, ligand redox, spectral characterization and DFT calculation”  Soumitra Dinda, <b>Sarat Chandra Patra</b>, Sanjib Ganguly, <i>J. Chem. Sci.</i>, <b>2019</b>, <i>131</i>,  <a href="https://doi.org/10.1007/s12039-019-1598-5">https://doi.org/10.1007/s12039-019-1598-5</a>.</p> <p>2. “Synthesis, X-ray crystal structure, DFT calculations, spectroscopic characterization and redox behaviour of a rhodium(III) complex of an anthracene-pyridylhydrazone ligand.”  Soumitra Dinda, <b>Sarat Chandra Patra</b>, Bikash Kumar Panda and Sanjib Ganguly, <i>Transit. Met. Chem.</i>, <b>2019</b>,  <a href="https://doi.org/10.1007/s11243-018-00300-4">https://doi.org/10.1007/s11243-018-00300-4</a>.</p> <p>1. “Redox-active diaminoazobenzene complexes of rhodium(III): synthesis, structure and spectroscopic characterization.”  Sima Roy, Shuvam Pramanik, Tapas Ghorui, Soumitra Dinda, <b>Sarat Chandra Patra</b> and Kausikisankar Pramanik, <i>New J. Chem.</i>, <b>2018</b>, <i>42</i>, 5548-5555.</p>
<p><b>Seminars/Workshops/Certificate Courses/Professional Training Programmes/Webinars/E-Quiz attended</b></p>	<ol style="list-style-type: none"> <li>1) International symposium on ‘Current Trends in Chemistry’ organized by Department of Chemistry, Diamond Harbour Women’s University, West Bengal on 10<sup>th</sup> January, 2020.</li> <li>2) One day national level Seminar on ‘Modern Trends in Chemistry for Sustainable Development’ on March 03, 2020 by Department of Chemistry, Vijaygarh Jyotish Ray College and Indian Chemical Society, Kolkata.</li> <li>3) Webinar on ‘Pandemics in Indian Society: Analysing Pre-COVID and Post-COVID Situation on 9<sup>th</sup> June, 2020 by Muralidhar Girls’ College.</li> <li>4) International Webinar on Convergence of Biological &amp; Medical Sciences-A Ray of Sunshine in COVID Pandemic-2020’ on 2<sup>nd</sup> Aug, 2020.</li> <li>5) Four-Day National Webinar on ‘Discipline Specific Elective (DSE) Topics of UG Chemistry (Hons.) CBCS Syllabus, University of Calcutta’ (4-7<sup>th</sup> Aug, 2020).</li> <li>6) One-Day e-Workshop on ‘Online Learning Methodology using Google Classroom’ on 14<sup>th</sup> Aug, 2020.</li> <li>7) Webinar on ‘The Scenario of Media in the COVID era and New Normal Situation’ (20<sup>th</sup> Aug, 2020).</li> <li>8) Two Day State Level Webinar on ‘Skill Enhancement Courses (SEC) of UG Chemistry (Hons.), CBCS Syllabus, University of Calcutta’ (24-25<sup>th</sup> Aug, 2020).</li> <li>9) International Webinar on ‘Recent Advancement in Biological Sciences’ on 28<sup>th</sup> Aug, 2020.</li> <li>10) International Webinar on ‘Contagious Ailments and Their Influences on the Environment in Pandemic: Novel Chemical Exploration and Their Implementations are the Sole Gleam of Hope’ on 29<sup>th</sup> Aug, 2020.</li> <li>11) Webinar on ‘Society at Crossroads: Poised between Old &amp; New Paradigm’ on 8<sup>th</sup> September, 2020.</li> <li>12) One Day International Webinar on ‘Recent Trends in Chemistry &amp; Chemical Biology’ on 12<sup>th</sup> September,</li> </ol>

	<p>2021.</p> <p>13) One Day National Webinar on 'Recent Advances in Chemical Sciences' on 30<sup>th</sup> Sepetember, 2020.</p> <p>14) Webinar on 'Preparing for Assessment &amp; Accreditation under Revised Guidelines' on 12<sup>th</sup> May, 2021.</p> <p>15) One Day International Webinar on 'Recent Trends in Chemistry &amp; Chemical Biology' on 12<sup>th</sup> Sepetember, 2021.</p> <p>16) Webinar on 'Preparing for Assessment &amp; Accreditation under Revised Guidelines' on 12<sup>th</sup> May, 2021.</p>
<b>Papers Presented</b>	Nil
<b>Methods followed in classroom teaching</b>	Demonstration, microteaching, ICT based teaching.
<b>Any innovative ideas introduced to improve teaching learning</b>	ICT based demonstration
<b>Academic and personal guidance and counseling of the students</b>	Yes