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|  | <p><b>Dr. Shivani Prabir Banerjee</b><br/> <b>HOD, Department of Chemistry</b></p> <p><b>SATISH PRADHAN DNYANASADHANA</b><br/> <b>COLLEGE, THANE Off Eastern Express Highway,</b><br/> <b>Dnyanasadhana Marg, Thane</b></p> <p><b>Vidwan ID:512633</b></p>   |
| <b>Department</b>   | <b>: Chemistry</b>   |
| <b>Name of the Faculty</b>  | <b>: Dr. Shivani Prabir Banerjee</b>   |
| <b>Designation</b>  | <b>: Vice Principal-Science faculty, Associate Professor,<br/> Head, Department of Chemistry</b>   |
| <b>Qualification/s</b>  | <b>: MSc, MEd, MPhil, Ph.D., SET</b>   |
| <b>Email ID</b>   | <b>: shivanipbanerjee@gmail.com</b>  |
| <b>Years of Experience</b>  | <b>: UG:31<br/> PG:12<br/> Research:12</b>   |
| <b>Thrust Area<br/> (Subject Interest)</b>  | <b>: Organic chemistry green chemistry Environmental<br/> chemistry Phytochemistry Nutritional chemistry<br/> Chemistry education.</b>   |
| <b>Details of Paper Presented</b>   | <b>: State Level:01<br/> National Level:06<br/> International Level:10</b><br><b><i>Provide List</i></b> <ol style="list-style-type: none"> <li>1. UGC sponsored international conference on “Development challenges and technological determinism” 28th and 29th February 2008 in Seva Sadan college of education</li> <li>2. NAAC sponsored national conference” ICT enabled teacher and teaching” on 30 &amp; 1st October 2009 in Sevasadan college of education</li> <li>3. International conference of ISCB titled “Bridging gaps in discovery and development: chemical and biological sciences for affordable health, wellness and sustainability” 4 th to 7th February 2011 in Saurashtra university.</li> </ol> |

4. National conference EBI 2012 on "Persistent organic pollutants in the environment" 29th and 30th December 2012 in Delhi University.
5. National conference EBI 2013 'Assessment of upstream and downstream waters of Ulhas river in thane district of Maharashtra state, India' on 10th October 2013 in Modern college, Pune University,
6. UGC sponsored seminar National level seminar "History of scientific and technological advancements in dairy sector" on 17th September 2014 in Dnyanasadhana college, Mumbai university
7. International Science Congress, Pacific university, Udaipur, Rajasthan presented paper on "Seasonal variation assessment of physico-chemical characteristics in river water" on 8 & 9th December, 2014
8. UGC sponsored one day National conference, "Bhatsai river water's physico-chemical analysis on 24th January 2015
9. Indian Science Congress, Mumbai university presented paper on "Water quality assessment of rivers in Thane district of Maharashtra state "from January 3 to January 7, 2015
10. International conference (ISCB) Uka Tardesia University, Surat "Growth and challenges of Indian pharmaceutical industry "from 6 - 8th February 2016
11. International conference jointly conducted by INAAR and Abhinav college, Mumbai on 28th January 2017 presented paper on "Chemoinformatics and Bioinformatics : The trending sciences"
12. Marathwada Mitra Mandal 's and IGCCIA International Multidisciplinary Conference on "Emerging issues in Management, Commerce, Engineering and Technology, presented paper on "A study of vital chemical nutrients in selected superfruits" on 4th February 2018.
13. Global science summit, Emerging trends in basic and applied sciences" Novel methods of preparation of Schiff bases; - an alternative approach. "from 4th to 7th Nov 2019, Dubai.
14. One Day International e- conference For, Of and By QUEENS OF ERA-2021", 'Recent advances

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|                                      | <p>on Friedel-Crafts reaction' on March 23, 2021.</p> <p>15. Fostering green growth for environmental sustainability, one day international conference held on 14th March 2023 by Chemistry dept,KLE College,New Mumbai</p> <p>16. Presented paper on 'Study of green methodologies of synthesis 'at one day international conference in Rayat Shikshan Santha,Raigad on 10th January 2024</p> <p>17. Presented paper on Study of types, sources and food benefits of phytochemicals in S.D.D. College Wada.</p>  |
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| <p><b>Details of Publication</b></p> | <p>: National Level:04<br/>International Level:15</p> <p><b><i>Provide list</i></b></p> <ol style="list-style-type: none"> <li>1. Physico-chemical analysis of the sediment collected from thane creek of Maharashtra,India,Interdisciplinary environmental review, IER: ISSN 0023-6234, 2011</li> <li>2. Analysis of heavy metal pollutants in sediment samples collected from Thane creek of Maharashtra,India,Int,J.Sustainable society ISSN: 1756-2538,2013</li> <li>3. Bhatsai river water's physico-chemical analysis,Proceedings of UGC sponsored one day National conference on" Environment issues and benefits with special reference to polymer industries"(ISBN 81-89217-13-5) Jan 2014</li> <li>4. Quality Assessment of River Water with Special Reference to PearsonCorrelation Study Int. Res. J. Environment Sci ISSN 2319–1414,December 2014</li> <li>5. Physico-chemical studies for water quality index of river water,International Journal on Environmental Sciences ISSN 0976-4534,2015</li> <li>6. Water quality index and correlation study for the assessment of water quality of waitarna river water thane district ,Maharashtra state,India,Bionano frontier ISSN 0974-0678, 2016</li> <li>7. Chemoinformatics and Bioinformatics : The trending sciences,IJMR ISSN 2277-9302 ,Jan 2017</li> </ol> |

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|  | <ol style="list-style-type: none"> <li>8. A study of vital chemical nutrients in superfruits ,ROYAL ,ISSN 2278-8158,Dec 2017-May 2018</li> <li>9. Novel method for synthesis of non-steroidal antiinflammatory drug- a green approach ,International journal of multidisciplinary educational research ISSN:2277-7881; April (2020); IC value:5.16</li> <li>10. Novel method of synthesis of schiff bases: an alternative green approach, International journal of multidisciplinary educational research ISSN:2277-7881; April (2020);</li> <li>11. Recent advances in Friedel craft's reaction, International journal of science,technology and management ,ISSN 2394-1537 ,April 2021</li> <li>12. Women empowerment: Contribution of renowned Indian women in the field of chemistry, Development of women: issues and challenges,ISBN 978-93-91708-25-2,February 2022</li> <li>13. Arsenic content in rice crops: A cause of concern, Indian economy: problems and prospects,ISBN 978-81-958944-3-7, November 2022.</li> <li>14. An introspection:Gender identity across the spectrum, International journal of advance and innovative research,ISSN 2394-7780 October - December 2022.</li> <li>15. Phytochemical Characterization Of Commiphora Wightii Plant (Guggul) Extract,JETIR. 2349-5162.MAY 2023</li> <li>16.Indian Knowledge system: A study of ancient Indian chemistry of glass, International journal of advance and innovative research, vol11, issue 1(iii) Jan 2024.</li> <li>17. Emerging technologies of water purification, Emerging trends in education,management and society,pp247-253,ISBN-978-81-970160-3-5, Feb 2024</li> <li>18. Study of types, sources and food benefits of phytochemicals, Research journey, issue no.338,pp 138-142, ISSN 2348-7143, March 2024</li> <li>19. Study of green methodologies of synthesis, AES,Vol 56,issue 1, pp 801-806,ISSN 2096-3246 .May 2024</li> </ol> |
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| <p><b>Details of Seminar/Workshop/Conferences/Symposia attained</b></p> | <p>: University Level:20<br/>National Level:06<br/>International Level: 04</p> <p><b><i>Provide list</i></b></p> <p>Revised syllabus workshop at, D.G Ruparel college,Mumbai university on 16 th August 1997</p> <ul style="list-style-type: none"> <li>• Workshop on ‘Maintenance of instruments ‘, jointly conducted by WRIC and Dnyanasadhana college at Dnyanasadhana college from 26 th June to 1 st July 2000</li> <li>• FYBSc,Revised syllabus workshop at, D.G Ruparel college,Mumbai university on 29 th July 2002</li> <li>• Workshop on ‘importance of research at college level ‘National college, Mumbai university on 7 th September2002</li> <li>• Workshop on microscale technique in organic chemistry,VES,college Mumbai university on 4 th July 2003</li> <li>• Seminar on ‘Recent trends in environmental sciences’, at Dnyanasadhana college, Mumbai university on 21st November 2003(member of organizing committee)</li> <li>• Seminar on ‘Migration of chemical and allied from thane and trans thane’, at Dnyanasadhana college,,Mumbai university on 17th March 2007(member of organizing committee)c</li> </ul> <p>SYBSc,Revised syllabus workshop at M.D college,Mumbai university on 23rd June 2009</p> <ul style="list-style-type: none"> <li>• FYBSc revised syllabus workshop at, D.G Ruparel college,Mumbai university on 19 th July 2008</li> <li>• TYBSc revised syllabus workshop at, RKT college,Mumbai university on 28 th June 2010</li> <li>• FYBSC, CBCS workshop at K.J Somaiya college on 22 nd June 2011 <ul style="list-style-type: none"> <li>• Acharya Maratha college, Mumbai university, UGC sponsored seminar National level</li> <li>• Indian Science Congress, Mumbai university attended and presented paper on Water quality assessment of rivers in Thane district of Maharashtra state from January 3 to January 7, 2015</li> <li>• SYBSc revised syllabus workshop at, NES,Ratnam college, Mumbai university on 23 rd April 2015</li> <li>• Avishkar research convention, elimination round</li> </ul> </li> </ul> |
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|   | <p>Jury for Oral Competition on 8 th Dec 2016</p> <ul style="list-style-type: none"> <li>• TYBSc revised syllabus workshop at R.J college, Mumbai university on 4 th March 2016</li> <li>• SYBSc revised syllabus workshop at, Birla college, Mumbai university on 14 th June, 2017</li> <li>• Workshop on revised syllabus MSc Part 1, Mumbai university, at KC College on Oct 3, 2017</li> <li>• Jury for poster Competition, Eight Indian Youth Congress, Mumbai university 16 to 18 th Feb 2017</li> <li>• Revised syllabus workshop of SYBSc at Birla college on 14 th June 2017</li> <li>• Revised syllabus workshop of MSc part1 at K.C college on 3rd October 2017</li> <li>• Jury at Intercollegiate debate Competition on 11 th October 2017 at Seva Sadan college <ul style="list-style-type: none"> <li>• Expert lecture at workshop conducted by EVS department of Dnyanasadhana College, on Importance of fruits in our diet on 16 th February 2018.</li> </ul> </li> <li>• Workshop in revised syllabus of MSc organic chemistry for sem iii and sem iv held on Friday 3rd August 2018 in Vaze College, Mulund, Thane</li> <li>• Workshop on youth festival ;2019-20 organised by department of Student, development on July 25, 2019</li> <li>• Swayam online certificate course on "Food nutrition for healthy living "from 15 th May 2020 to 29 th October 2020 offered by NCERT, New Delhi</li> <li>• AICTE online workshop on universal human values from 2nd to 6 th July 2020.</li> <li>• Completed Stanford University online course on "International women's health and human rights "on 27 th April 2020</li> <li>• Completed Yale University online course on "The science of wellbeing' on 26 th July 2020</li> <li>• IAA certified certificate course on "Online basic course on Ayurved "from August 2021 research convention <ul style="list-style-type: none"> <li>• Jury at Lala Lajpat Rai college of commerce and economics, Mumbai on December 9 th 2023 for Avishkar 2023-24.</li> <li>• Attendant global summit on bio pesticides in Bishkek, Krygysthan, in August 2023.</li> </ul> </li> </ul> |
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| <b>No. of Research Scholar Registered</b> | : M.Sc. (By Research):<br>Ph.D.:01   |

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| <b>Details of Projects</b>  | : | Minor Research Project: <b>Environmentally benign synthesis and characterisation of benzimidazole derivatives.</b>   |
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| <b>Experience on the various Committees at the University of Mumbai</b> | : | <ol style="list-style-type: none"> <li>1. Examiner and moderator for TYBSc(Chemistry) and MSc(Chemistry) part 1.</li> <li>2. Mumbai University Paper setter FYBSc(chemistry) exam from 2017 to 2019.</li> <li>3. Mumbai University Paper setter TYBSc(chemistry) practical exam.</li> <li>4. Member of F,YBSc Chemistry Revised Syllabus 22-23,Cordinator of Organic Chemistry Syllabus revision.</li> <li>5. Paper setter MSc Part I(Organic chemistry) exam from 2022 till date .</li> <li>6. Member of MSc-Part II Organic Chemistry NEP 2020 Syllabus framing</li> </ol> |
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| <b>Experience on the various Committees at College</b>                  | : | <p>Science Association,<br/> Nature Club,<br/> Utopia,<br/> NSS, Civil defence,<br/> Sports<br/> Examination,<br/> Admission,<br/> Prospectus Committee<br/> WDC<br/> ICC<br/> Time table Committee<br/> Certificate course<br/> Staff Academy<br/> Co-Convener for NEP 2020 Implementation.<br/> Student council</p>  |
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| <b>Membership</b>   | : | Life member of Indian Science Congress<br>Global society for basic and applied sciences  |
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| <b>Awards and Recognitions</b>  | : | Recognised PG Teacher for M.Sc. organic chemistry and PhD guide, University of Mumbai.   |
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