

SANGHAMITRA SANYAL



Contact: Dept. of Conservation Biology,
Durgapur Govt. College

Qualification: M. Sc.

Designation: State Aided College Teacher (SACT-I)

Teaching Experience (in years): UG: 12 PG: 12

Research Experience (in years): 2

Date of Joining Present Institution: 19/07/2010

Institutions/Companies Previously Served:

Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Durgapur College of Commerce and Science	Lecturer	2/08/2008	10/08/2011

Examinations cleared: NET-CSIR, 2011

Specialization/Research Interest: Physico-chemical analysis of water and soil. Environmental Impact assessment, Biodiversity analysis, Environmental modelling in R, etc.

Courses taught

	B.Com (Honours)	B. Com. (Program)	M.Sc
Semester-I	AECC-1 (ENVS)	AECC-1 (ENVS)	1. MSCCONBC102 (Natural Interactions) 2. MSCCONBC104 (Ecological Principles) 3. MSCCONBC106 (Natural Interactions Practical)
Semester-II			1. MSCCONBC201 (Chemistry in Natural Environment) 2. MSCCONBC204 (Chemistry of Biosphere) 3. MSCCONBC206 (Chemistry of Biosphere Practical)
Semester-III			1. MSCCONBC303 (Quantification Techniques)
Semester-IV			1. MSCCONBC401 (Dissertation) 2. MSCCONBC402 (Bioinformatics & Computer Application) 3. MSCCONBC403 (Biostatistics & Bioinstrumentation) 4. MSCCONBC404 (Bioinformatics, Biostatistics & Computer Application Laboratory)

Online Mode of Teaching

Since our students come from varied economic background, online services like zoom or google meet are beyond their reach. The common denominator in this case was access to email, WhatsApp, google classroom, YouTube etc.

I take most classes through sending study materials via WhatsApp and email, then hold verbal and written discussion on class timings using WhatsApp and telephone. Homework and other assignment are submitted timely through email.

Internal Assessment was held mostly using open book tests and online MCQ test using google forms. Feedback for the same is provided within a week so that students can monitor their progress.

Publications

Journals:

1. Richard D. Adams, Burjor Captain, O-Sung Kwon, Perry J. Pellechia and **Sanghamitra Sanyal**, "Synthesis and properties of oligomers of iron-manganese carbonyl complexes with bridging disulfido ligands", *Journal of Organometallic Chemistry* 2004, 689, 8, 1370-1376
2. Richard D. Adams, O. -Sung Kwon and **Sanghamitra Sanyal**, "Syntheses and structures of selenido dimanganese and iron-manganese carbonyl cluster complexes", *Journal of Organometallic Chemistry* 2003, 681, 1-2, 258-263.
3. Richard D. Adams, Erin Boswell, Shaobin Miao and **Sanghamitra Sanyal**, "Trinuclear Metal Clusters with Three Different Metal Atoms from the Insertion of CpCo and Cp*Rh Groups into the S-S Bonds of [CpFeMn(CO)₅(μ-S₂)₂]", *Journal of Cluster Science*, 2005, 16, 2, 117-126.
4. Anwesha Banerjee, **Sanghamitra Sanyal** and *Sribir Sen "Soil phosphatase activity of agricultural land: A possible index of soil fertility", *Agricultural Science Research Journals* Vol. 2(7), pp. 412-419, July 2012
5. Anwesha Banerjee; **Sanghamitra Sanyal**; Sribir Sen, "Microbial urease activity of agricultural soil: enzymology and assessment of soil fertility", *Journal of Mycopathological Research* 2012 Vol. 50 No. 2 pp. 235-241
6. Anwesha Banerjee, **Sanghamitra Sanyal** and Sribir Sen, "The legacy of bio-molecules as a bio-fertilizer: Context of single cell fertilizer Isolation and partial characterization of an amylolytic bacterium", *Nature Precedings* <<http://dx.doi.org/10.1038/npre.2012.6774.1>>
7. Banerjee, A., Hasib, K. M., **Sanyal, S.** and Sen, S., "Cloning and expression of an amylase gene from *Bacillus* sp. Isolated from an agricultural field in West Bengal, India", *African Journal of Biotechnology*, 13(32): 3281-3291

Conference Proceedings:

1. Kaushik Dey, Mousumi Sar, **Sanghamitra Sanyal**, Harinath Banerjee, Mainak Bhattacharjee, Bidhan Mishra, Shouri Banerjee & Pranab Roy, (2011), Degradation of phenol by *Bacillus* sp.: Isolation strategy, Strain characteristics and Cell immobilization, National Conference on Advanced pollution control system for better environmental management, pp 52
2. Kaushik Dey, **Sanghamitra Sanyal**, Mainak Bhattacharjee & Shouri Banerjee, (2013),

Production of Biofertilizer (Anabaena & Nostoc) using CO₂, National Seminar on Recent trends in Applied Sciences & Humanities, pp 79

3. Poulami Sengupta, Alope Kumar Mukherjee, ***Sanghamitra Sanyal** and Moitreyee Chakrabarty, (2018), Use Of Medicinal Plants By The Local People Inbarjora And Sonamukhi Block, Bankura, West Bengal, India, Proceedings of International Biodiversity Congress (IBC 2018), Vol IV, pp 1-5

Guidance of M.Sc. Projects

1. Ankita Chakraborty, (2017-2018, Durgapur Government College), Livelihood study based on some wetlands on Purba Medinipur, West Bengal, 2017-2018
(Guide: **Sanghamitra Sanyal**, Co-guide: **Dr Moitreyee Chakrabarty**)
2. Morali Biswas, (2017-2018, Durgapur Government College), Seasonal Study of Physicochemical conditions and, Algal and cyanobacterial Diversity of different hot springs of Bakreshwar, Birbhum, West Bengal
(Guide: **Sanghamitra Sanyal**, Co-guide: **Dr Alope Kumar Mukherjee**)
3. Pourani Ghosh, (2017-2018, Durgapur Government College), Seasonal study of physicochemical conditions of different hot springs of Bakreshwar, Birbhum, West Bengal
(Guide: **Sanghamitra Sanyal**, Co-guide: **Dr Alope Kumar Mukherjee**)
4. Poulami Sengupta, (2017-2018, Durgapur Government College), Ethnomedicinal Knowledge and Uses of Plants in Barjora Block and Sonamukhi Block, West Bengal, India
(Guide: **Sanghamitra Sanyal**, Co-guide: **Dr Alope Kumar Mukherjee**)
5. Pallabi Maity, (2019-2020, Durgapur Government College), Consequences of idol immersion in festive season in water bodies of Durgapur Industrial City, Paschim Bardhaman, West Bengal
(Guide: **Sanghamitra Sanyal**, Co-guide: **Dr Alope Kumar Mukherjee**)
6. Snigdha Dhar, (2019-2020, Durgapur Government College), Effects of construction sites on the diversity of soil macro-arthropods of Durgapur government college, Paschim Bardhaman, West Bengal
(Guide: **Sanghamitra Sanyal**)

Organization of events (Durgapur Government College)

1. Invited Talk on "Wetlands: A biological supermarket" organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Nov. 16, 2017 (**Sanghamitra Sanyal**, member, Organizing committee, Dept. of Conservation Biology)
2. Invited Talk on "Present Status and Conservation measures of threatened animals in India" organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Sept. 26, 2018 (**Sanghamitra Sanyal**, member, Organizing committee, Dept. of Conservation Biology)
3. One day zonal level seminar on "Nooks and perils of Conservation Biology" organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Oct. 10, 2018 (**Sanghamitra Sanyal**, member, Organizing committee, Dept. of Conservation Biology)
4. One day state level seminar on "Conservation efforts of Fishing cat, West Bengal" organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Nov. 20, 2018 (**Sanghamitra Sanyal**, member, Organizing committee, Dept. of Conservation Biology)
5. Two days department level workshop on "Practical applications of STELLA in ecological modelling" organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Jan.

- 2 -3, 2019 (**Sanghamitra Sanyal**, *Inaugurator, Dept. of Conservation Biology*)
6. Two days National level seminar on “*Contemporary Era of Sciences: Biological and Chemical interface*” organized by P. G. Dept. of Conservation Biology in collaboration with Dept of Botany, Dept of Chemistry and Dept of Zoology, Durgapur Govt. College, on Mar. 26 -27, 2019 (**Sanghamitra Sanyal**, *member, Poster committee, Dept. of Conservation Biology*)
 7. One day National level seminar on “*Modern Era of Biological Science: Lab to Land*” organized by P. G. Dept. of Conservation Biology in collaboration with Dept. of Zoology, Durgapur Govt. College, on Dec. 12, 2019 (**Sanghamitra Sanyal**, *member, organizing committee, Dept. of Conservation Biology*)
 8. One day Students interactive program on "*Visual aids in Biodiversity Conservation*", organized by P. G. Dept. of Conservation Biology, Durgapur Govt. College, on Feb. 12, 2020 (**Sanghamitra Sanyal**, *Speaker, Dept. of Conservation Biology*)

Participation in committees of Durgapur Government College since 2017

1. Golden Jubilee Celebration of College (Invitation Committee, 2018-19)