

Resume



Dr. Sanghamitra Pal, M.Sc., Ph.D

❖ Personal Details

Sex- Female

Date of Birth: 03.04.1989

Nationality: Indian

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Vill- Narayanpur, Post- Manikdihi,

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- ### ❖ Current Position: Assistant Professor, Department of Physiology, City College (Affiliated to Calcutta University), 102/1 Raja Rammohan Sarani, Kolkata-700009.

❖ Educational qualifications:

Course	University
B.Sc (2011) Physiology (Hons)	Berhampore Girls' College (Affiliated to University of Kalyani)
M.Sc (2013) Physiology	University of Kalyani
Ph.D Topic: Effects of Bisphenol S (BPS) on some Haematological and Cardiovascular Variables in Animal Models: A Molecular Physiological Study	University of Kalyani

❖ Area of expertise and Research Interest:

Expertise: Cardiovascular physiology, Environmental Physiology

Research Interest: Oxidative stress, Toxicology

❖ Paper Publication:

- ❖ **Sanghamitra Pal**, Kaushik Sarkar, Partha Pratim Nath, Mukti Mondal, Ashma Khatun, Goutam Paul. (2017). Bisphenol S depresses blood functions and induces cardiovascular risks in rat. *Toxicol Rep*, 4, 560-565.
- ❖ **Sanghamitra Pal**, Goutam Paul. (2021). A comparative study on the toxicity of Bisphenol A (BPA) and Bisphenol S (BPS) on heart ventricular muscle. *Science Archives*, 2 (2), 84-89.
- ❖ Mukti Mondal, Kaushik Sarkar, Partha Pratim Nath, Ashma Khatun, **Sanghamitra Pal**, Goutam Paul. (2018). Monosodium glutamate impairs the contraction of uterine visceral smooth muscle ex vivo of rat through augmentation of acetylcholine and nitric oxide signaling pathways. *Reprod Biol*, 18, 83-93.
- ❖ Ashma Khatun, Kaushik Sarkar, Partha Pratim Nath, Mukti Mondal, **Sanghamitra Pal**, Goutam Paul. (2017). Chocolate brown HT impairs the function of the ovary by depressing the hypothalamic-hypophyseal-ovarian servomechanism in albino rat. *Int J Pharm Bio Sci*, 8(3), 344-350.
- ❖ Suraiya Parvin, Partha Pratim Nath, Mousumi Dutta, Mukti Mondal, Ashma Khatun, **Sanghamitra Pal**, Mahua Guha Roy, Goutam Paul.(2019). Monosodium glutamate potentiates the contraction of the visceral smooth muscle of duodenum by augmenting the activity of intrinsic cholinergic efferents, inducing oxidative stress and proliferating smooth muscle cells. *Asian J Pharm Clin Res*, 12(7), 136-142.
- ❖ Ashma Khatun, Mukti Mondal, **Sanghamitra Pal**, Suraiya Parvin, Goutam Paul. (2021). Impairment of uterine wall structure by Chocolate Brown HT in rats. *Science Archives*, 2 (2), 93-98.

Books: NIL

❖ List of Participation in Seminar, Conference and Workshop

1. **Sanghamitra Pal**, Goutam Paul. Bisphenol S (BPS) depresses the movement of perfused heart of toad: A detailed experimental approach. Page no. 145. 108th Indian Science Congress, 2023, held on 3-7th January, 2023, at RTM Nagpur University, Nagpur, Maharashtra, India.
2. **Sanghamitra Pal**, Goutam Paul. Bisphenol S (BPS) depresses the heart movement through acetylcholine and nitric oxide mediated signaling pathways. Page no.15. National Conference on Sustainable Health Science for Future Generations, 2022, held on 28-29th April, 2022 at Department of Physiology, University of Kalyani, West Bengal, India.
3. **Sanghamitra Pal**, Partha Pratim Nath, Mukti Mondal, Ashma Khatun, Suraiya Parvin, MahuaGuha Roy, Goutam Paul. Bisphenol S depresses heart movement by augmenting the cholinergic autonomic efferents. Page no.371. 3rd Regional Science and Technology Congress, 2018, Southern Region, held on 18-19th December, 2018 at Bidhannagar College, Government of West Bengal, India.
4. **Sanghamitra Pal**, Mukti Mondal, Kaushik Sarkar, Partha Pratim Nath, Ashma Khatun, Goutam Paul. Bisphenol S induces oxidative stress in cardiac tissue in rat model. Page no.118. 25th West Bengal State Science and Technology Congress, 2018, held on 4-5th March, 2018 at the Science City, Kolkata, West Bengal, India.
5. **Sanghamitra Pal**, Mukti Mondal, Kaushik Sarkar, Partha Pratim Nath, Ashma Khatun, Goutam Paul. Bisphenol S induces oxidative stress in cardiac tissue in rat model. Page no. 287. 2nd Regional Science and Technology Congress, 2017, Southern Region held on 14-15th December, 2017 at University of Kalyani, Kalyani, West Bengal, India.
6. **Sanghamitra Pal**, Mukti Mondal, Ashma Khatun, Goutam Paul. Bisphenol S impairs blood corpuscular functions and produces cardiovascular threats in rat. Page no.125. VII Congress of Federation of Indian Physiological Societies (FIPS) & XXIX Annual Conference of Physiological Society of India (PSI) (FIPSPHYSIOCON 2017) held on 5-7th November, 2017 at Defense Institute of Physiology & Allied Sciences, Timarpur, Delhi, India.
7. Sourapriya Mukherjee, **Sanghamitra Pal**, Goutam Paul. Rhodamine B inhibits the contractile activity of duodenal visceral smooth muscle through promotion of oxidative stress in rats. Page no. 17. National Conference on Sustainable Health Science for Future Generations, 2022, , held on 28-29th April, 2022 at Department of Physiology, University of Kalyani, West Bengal, India.
8. Mahua Guha Roy, **Sanghamitra Pal**, Sourapriya Mukherjee , Mukti Mondal, Mousumi Dutta, Goutam Paul. Fluoride potentiates contraction of duodenal visceral smooth muscle by augmenting the activity of intrinsic cholinergic efferents ex vivo in rat. Page no. 37. National Conference on Sustainable Health Science for Future Generations, 2022, , held on 28-29th April, 2022 at Department of Physiology, University of Kalyani, West Bengal, India.
9. Chaitali Dey, **Sanghamitra Pal**, Srilekha Bhattacharjee, Goutam Pal. Sodium benzoate (NaB) induced impairment of the functions of duodenal visceral smooth muscle ex vivo in rat. Page no. 95. National Conference on Sustainable Health Science for Future Generations, 2022, , held on 28-29th April, 2022 at Department of Physiology, University of Kalyani, West Bengal, India.

10. Mahua Guha Roy, **Sanghamitra Pal**, Kaushik Sarkar, Mukti Mondal, Sourapriya Mukherjee, Goutam Paul. Fluoride induced facilitation of the contraction of duodenal visceral smooth muscle in rat: Role of acetylcholine signaling pathway and cellular oxidative stress. Page no. 85. Women's Health in India: Issues and Concerns & XXXIInd Annual Conference of The Physiological Society of India (PHYSICON-2021), 2022, held on 14-16th March, 2022 at Berhampore Girls' College, Berhampore, Murshidabad, West Bengal, India.

❖ Awards

1. Awarded with **Professor A. G. Datta Endowment Medal** at 27th Convocation of the University of Kalyani for standing First Class First at the Master of Science Examination in Physiology.
2. Awarded with **DST INSPIRE Fellowship** (IF150101)
3. Best paper award at 25th West Bengal State Science and Technology Congress. **Sanghamitra Pal**, Mukti Mondal, Kaushik Sarkar, Partha P. Nath, Ashma Khatun, Goutam Paul. Bisphenol S induces oxidative stress in cardiac tissue in rat model. Page no.118. 25th West Bengal State Science and Technology Congress, 2018, held on 4-5th March, 2018 at the Science City, Kolkata, West Bengal, India.

❖ Membership: Life Member of Indian Science Congress Association (L36259).

