

Faculty Profile



1. Name: Dr. SWATI CHATTOPADHYAY SINHA

2. Date of Birth: 1ST January 1960

3. Designation: Associate Professor

4. Date of Joining: 10/10/2001

5. Name of the Department: PHYSIOLOGY

6. Address

- Permanent Address: AD-79, Salt Lake, (Bidhannagar), Kolkata - 700064.
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WEB Page, if any: NA

7. Educational Qualifications (Graduation onwards):

Examination	Name of the University/Institution	Year of Passing	Subject
B.Sc.	University of Calcutta	1979	Physiology (H) + Zoology and Chemistry A (Pass)
M.Sc.	University of Calcutta	1981	Physiology (Bio-Physics & Electrophysiology)

8. Research Degree(s):

Degree	Name of the Degree Awarding Institution	Date of Award	Title
Ph.D.	University of Calcutta	01.09.1992	"Cerebellar Influence on Salivary Secretion"

9. Teaching Experience (in Years): Twenty Years.

10. Specialization/Expertise/Teaching Area: Bio-Physics & Electrophysiology & Neuroscience.

11. Courses Taught: B.Sc. Honours, General & CBCS – 6-Semester System Honours, General.

12. Present Research Activities, if any: NA

13. Major/Minor Research Project(s) Undertaken/Completed (during last 5 years): NA

14. Publications and Others: NA

A] Books Published:

1. **For Example:** M. Pal, S. Samanta, G. Ghorai, Modern Trends in Fuzzy Graph Theory, Springer, 2020.ISBN: 978-981-15-8803-7

2.

3.

B] Research Papers in International/National Journals:

1. Salivary Secretion induced by cerebellar manipulation. **Swati Chattopadhyay** and Debjani Guha. Indian Journal of Physiology and allied sciences, Vol. 46, No. 2, 60-67, 1992.
2. Hepatoprotective effect of a protein isolated from *Cajanus indicus spreng* on carbon tetra-chloride induced hepatotoxicity in mice. Sarmistha Datta, Kalyan Basu, **Swati Sinha**, Prantosh Bhattacharyya. Indian Journal of Experimental Biology, Vol.36, pp.175-181,1998.
3. Immunosuppressive effect of Vestiibulo-cerebellar lesion in rats. Debasis Ghosal, **Swati Sinha**, Arunangshu Sinha, Prantosh Bhattacharyya. Neuroscience Letters Vol.257, pp. 89-92, 1998.
4. Hepatoprotective activity of a herbal protein CI-1 purified from *Cajanus indicus spreng* against β -galactosamine Hcl toxicity in isolated rat hepatocytes Sarmistha Datta, **Swati Sinha**, Prantosh Bhattacharyya. Phytotherapy Research, Vol. 13, pp 508-512,1999.
5. Effect of a herbal protein CI-1 isolated from Cajanus indicus spreng on immune response of control and stressed mice. Sarmistha Datta, **Swati Sinha**, Prantosh Bhattacharyya. Journal of Ethnopharmacology Vol. 67, pp 259-267,1999.
6. Effect of herbal protein CI-1, purified from Cajanus indicus in models of liver failure in mice. Sarmistha Datta, **Swati Sinha**, Prantosh Bhattacharyya. Drug Development Research, vol. 48 pp 76-83,1999.
7. Effect of Spinach (Spinacia oleracea) DNA Fragmentation in pentyltetrazole induced experimental epileptic rat model. Dr. (Mrs.) Monami Mondal (Mukherjee), Dr. (Mrs.) **Swati Sinha**, Dr. (Mrs.) Sujata Maity, Dr. Brijesh Sathian, Dr. (Mrs.) Debjani Guha. A Pubmedhouse Journal Medical Science, September; 3(3):265-273, 2015.
8. Neuroimmunomodulatory role of Spinacia oleracea on blastogenic activity in penicillin induced experimental epileptic rat model. Monami M, Maity S, Sinha S, Sathian B, Guha D. A Pubmedhouse Journal Medical Science, June Vol-4 (2): 325-331, 2016.

C] Conference Papers:

a) International Conference:

1. Saliva hypersecretion induced by Inj. of Procaine into the Vestibular Cerebellum of conscious rat.
Swati Chattopadhyay and A.K. Maiti, Asian Congress of Pharmacology, Ind. J. Pharmacol. 17 (Suppl. 1: p-085, 1985).
2. Cardiovascular adaptation to simulated weightlessness induced by oscillating bed for Indian traditional Savasana practice.
Purnima Adhikary, Swati Chattopadhyay and A.K. Maiti. Proceedings of the International Union of Physiological Sciences, Vol. XVI, XXXth Congress, Vancouver, B.C. Canada. p-568.33/p-605, 1986.
3. Inhibitory influences of vestibulo-Cerebellum on Salivary secretion.
Swati Chattopadhyay, D. Guha and A.K. Maiti. Neuroscience Supplement to Vol. 22, 1987 (Second World Congress of Neuroscience IBRO), Budapest, S-342, p-1027.

4. Localization of endogenous peroxidase in Rat's Salivary Gland following Cerebellar Manipulation.
S. Chattopadhyay, A.K. Maiti and D. Guha. Third IBRO World Congress of Neuroscience, Montreal, August 4-9, PP 450, 1991.
5. Stress induced alteration of vestibulo-cerebellum monoamine titers: Its implication in salivary secretion.
Swati Sinha and Debjani Guha. 32nd Congress of the International Union of Physiological Sciences, Glasgow, P-253, 217.22/P, 1993.

b) National Conference

1. Circulatory response by swing induced vestibular stimulation.
Swati Chattopadhyay. Proceedings of the 71st Session of the Indian Science Congress: p-23, 1984.
2. Effect of Vestibular Stimulation on Pentobarbitone sleeping time in treated rats.
Swati Chattopadhyay, Debjani Guha and A.K. Maiti. Indian Journal of Physiology, 30 No. 5 - Suppl. - 1: p-8.17/p-42, 1986.
3. Vestibular Stimulation prevents the cysteamine induced duodenal ulcer in the rat.
Debjani Guha, Swati Sinha and A.K. Maiti. Proceedings of the 76th session of the Indian Science Congress, p-16, 1990.
4. Influence of Vestibular Cerebellum on the morphology of the rat Salivary gland - A histomorphological study.
Swati Chattopadhyay, A.K. Maiti and Debjani Guha. Second Congress of Asian & Oceanian Physiological Society, F-134, 1990.
5. Alteration of salivary mucus pattern following cerebellar manipulation.
Swati Chattopadhyay and Debjani Guha. Indian Journal of Physiology and allied sciences, Vol. 46, No. 4, Suppl. p-48-49, 1992.
6. Brain Bone-Marrow Bi-directional Communication - Influence on Immune System.
Swati Sinha (Chattopadhyay) Debasis Ghoshal, Arunangshu Sinha and Prantosh Bhattacharyya, 1st Congress of FIPS, p-120, 1995.
7. Immunological engineering in disease control.
Arunangshu Sinha, Swati Sinha, Prantosh Bhattacharyya, A.K. Barua, Debasis Ghoshal. Indian Journal of Physiology and Pharmacology, Vol. 39, No. 5, Supplement, P-09, p-74, 1995.
8. Hepatoprotective effect of a protein derived from *Cajanus indicus* spreng. on carbon tetrachloride induced hepatotoxicity in mice.
Sarmistha Dutta, Swati Sinha, Prantosh Bhattacharyya. Abstracted in the Proceedings of XXIX National Conference, Hyderabad, p-51, 1996.

9. Antidiabetic activity of an Indian medicinal plant.
Swati Sinha, Kalyan Basu, Debasis Ghosal, Sarmistha Datta, Prantosh Bhattacharyya. Indian Journal of Physiology and Pharmacology, Vol.41 No.5, Supplement, P-23, p-467-A,1997.
10. Child Autism & Care: Swati Chattopadhyay Sinha; Sixty Third Orientation Programme. May 30. 2005- June 25, 2005
11. Alzheimer's Disease – A new approach to neuroprotection.
Debjani Guha, Swati Sinha. Annals of Neurosciences, official Journal of Indian Academy of Neurosciences. Vol – 20, pp. 24, October 2013.
12. Relationships among BMI, Hyperglycemia, Peripheral Neuropathy in rural female patients attending peripheral medical college.
Rabindranath Majumder, H. S. Pathak, Swati Chattopadhyay Sinha. Proceeding in Indian Journal of Physiology and Pharmacology. Vol – 59, No. -5, Supplement pp. 98, 2015

D] Conference / Symposium Attended.

- **International Level NA**

Name of The Conference	Organizer, Date, Venue	Financially Supported by

- **National Level**

- A Seminar organized by Indian Academy of Neurosciences (IAN), Kolkata Chapter, ISI, Kolkata, 18th August, 2017.
- One day Colloquium organized by the Indian Academy Of Neurosciences, Kolkata Chapter, Ballygunge Science college, Kolkata, 1st September, 2017.
- RRRLF sponsored Two Day National Seminar on " Role of Public Library in Archiving the Cultural Heritage of Bengal" Organized by Central Library, Tamralipta Mahavidyalaya, Tamluk 9-10 January, 2018.
- One day State level Workshop on CAS for College and University Teachers organized by WBCUTA, Purba Medinipur District Committee, July 7th, 2018
- One day State level Seminar organized by West Bengal College and University Teachers' Association, Apanika Hall, Tamluk, Purba Medinipur, 31st August, 2019.
- Two days National Seminar on "Higher Education in India: Contemporary Issues-Tasks Ahead "Organized by Murshidabad District Committee, WBCUTA, 6th to 7th October, 2018.
- State Level Seminar on "National Education Policy -2019" Organized by Jadavpur University, Kolkata & WBCUTA, 23rd November, 2019.

- Two Weeks Faculty Development Programme for S & T Participant at Tamralipta Mahavidyalaya, Tamluk Organized by Webcon Consulting (India) LTD, Kolkata from August 18 to 30,2017.

E] Invited Lectures Delivered in Seminars/Webinars: (Title, Name of Seminar, Organizer Date and Venue): NA

- 1.
- 2.

F] Orientation Programme/Refresher Course/Short Term Course Completed:

1. Orientation Programme- May 30th-June 25th 2005.
2. Refresher Course- Environmental Studies, February 20th-March 11th 2008.
3. Refresher Course- Environmental Studies, February 10th-March 3rd 2011.

G] Articles Published in Magazines: NA

- 1.
- 2.
- 3.

15. Awards and Recognitions, if any: NA

16. Membership of Reputed Bodies/Organizations including Professional Associations:

1. Life member of Indian Association of Physiologist and Pharmacologists of India.
2. Life member of Physiological Society of India.
3. Seasonal Member of Indian Academy of Neurosciences.

17. Significant Information, if any: NA