

DR. BISWESWAR BANERJEE

Associate Professor

M.Sc. (Chemistry), Ph.D.

Email: bbanerjee@tdbcollege.ac.in

» **Overview:**

An Associate Professor in Chemistry having experience more than twenty years.

» **Date of appointment to the present job:**

19/01/2022

» **Other Academic/ Administrative post:**

N. A.

» **Academic background:**

Ph.D. in the year 1996 from Jadavpur University in Bio-physical Chemistry, M.Sc. (1990, Physical Chemistry spl.) and B.Sc. (1988, Chemistry, Hons.) from the same University. Research work was conducted at IICB, Jadavpur and registered under Jadavpur University.

» **Information about Ph. D.:**

- **Date of Award:** 27/11/1996
- **Title of Thesis:** *Studies on thermodynamic and theoretical aspects of agonist and antagonist interactions with nicotinic receptors.*

» **Publications in Journals:**

1. Bisweswar Banerjee and Dilip K. Ganguly. (1995). Thermodynamic studies with acetyl-thiocholine on nicotinic receptor of mammalian skeletal muscle in vitro, *Biochemical Pharmacology*, Volume 49, pp. 1713-1716.
2. Bisweswar Banerjee and Dilip K. Ganguly. (1996) Thermodynamics of d-tubocurarine interaction with nicotinic receptors of mammalian skeletal muscle in vitro, *Eur. J. Pharmacol.*, Volume 310/1, pp.13-17.
3. Soma Roy, Shila Besra, Tripti De, Bisweswar Banerjee, Joydeep Mukherjee and Joseph R. Vedasiromoni, (2008). Induction of Apoptosis in Human Leukemic Cell Lines U937, K562, and HL-60 mediated Caspase Cascades, (2008). *The open Leukemia Journal*, Volume I, pp. 1-14, 1876-8164/08, Bentham Open.
4. Soma Roy, Shila E. Besra, Bisweswar Banerjee, Joydeep Mukherjee and Joseph R. Vedasiromoni, Anti-inflammatory activity of aqueous methanolic extract of *Swietenia mahagoni* (L) Jack (Maliaceae) leaves, (2009). *Oriental Pharmacy and Experimental Medicine*, Volume 9(I), pp. 74-82.
5. Soma Roy, Bisweswar Banerjee, Joseph R. Vedasiromoni, Anti-tumor activity of *Swietenia mahagoni* (L.) leaf extract against Ehrlich's ascites carcinoma in mice, (2013). *Orient Pharm Exp Med*, Volume 13(3), pp.205-216.
6. E. Roy, B. Banerjee, J.R. Vedasiromoni, Cytotoxic and apoptogenic effect of *Swietenia mahagoni* (L.) Jack leaf extract in human leukemic cell lines U937, K562 and HL-60, (2014). *Environmental Toxicology and Pharmacology*, Volume 37, pp. 234-247.
7. Soma Roy, Bisweswar Banerjee and Joseph R. Vedasiromoni, Anti-Neoplastic Activity of Litchi Chinensis Leaf Extract Against Ehrlich's Ascites Carcinoma in Mice, (2016) *Journal of Herbs, Spices and Medicinal Plants*, Volume 22, pp.:11-26.

» **Books and Chapters:**

N. A.

» **Seminars, Conferences, Webinars and Workshops attended:**

- Seminars/ Conferences / Workshops: 06
- Webinar: 02

» **Life Membership:**

N. A.

» **Awards/Academic Achievements:**

N. A.

» **Professional Courses:**

- **Orientation Programme/FDP/FIP:** 00
- **Refresher Course:** 04
- **Short Term Course:** 00

» **Others/ Miscellaneous:**

- **Project:**

Project work conducted at Krishnath College:

- **Minor Research Project I:**

➤ **Title of the project:** *An attempt to identify anticancer agents from plant sources using cell lines.* Financial assistance was received from UGC. The letter number and date under which the assistance was approved: PSW-065/04-05, Date: 03/03/2005.

➤ Amount approved: Rs. 70,000/-.

- **Minor Research Project II:**

➤ **Title of the project:** *Effects of some herbal products on rat hemidiaphragm as an alternative to Salbutamol.* Financial assistance was received from UGC. The letter number and date under which the assistance was approved: PSW-067/12-13, Date: 05/02/13.

➤ Amount approved: Rs. 1,53,500/-.