

DR. SANGITA MANNA

20/5, Andul Road, Tentultala, P.O. D.S. Lane, Howrah- 711109;

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ACADEMIC QUALIFICATIONS:

4. PhD (Pharmacy/ Jadavpur University, India, <http://www.jadavpur.edu/>, 2009)
 3. Diploma in Dietetics (Calcutta University, <http://www.caluniv.ac.in/>, 2002)
 2. M. Sc (Food & Nutrition/ Calcutta University, <http://www.caluniv.ac.in/>, 2001)
 1. B. Sc (Food & Nutrition/ Calcutta University, <http://www.caluniv.ac.in/>, 1999.)
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PRESENT OCCUPATION:

2021- present): SACT lecturer (SACT-I)

PAST PROFESSIONAL EXPERIENCE:

(2014 --- 2021): Guest Lecturer

December 2002-December 2008: Had worked in Jogesh Chandra Girls' School, Howrah, WB, India as a part-time teacher teaching "Food & Nutrition" at Higher Secondary level.

EDUCATION/ ACADEMIC BACKGROUND:

YEAR OF PASSING	EXAM./ DEGREE/ DIPLOMA	BOARD/ UNIVERSITY/ INSTITUTE	STREAM	% OF MARKS	DIVISION/ CLASS
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2009	PhD (6 years)	Jadavpur University, Kolkata, India. http://www.jadavpur.edu/	Cancer Biology	N/A	N/A
2002	Diploma in Dietetics (1 year course)	All India Institute of Hygiene & Public Health, Kolkata, India. http://www.aiihph.gov.in/index. htm	Clinical Dietetic s	60%	I
2001	M.Sc. (10+2+3+ 2)	University of Calcutta, Kolkata, India. http://www.caluniv.ac.in/	Food & Nutritio n	65.3%	I
1999	B.Sc. (10+2+3)	University of Calcutta, Kolkata, India. http://www.caluniv.ac.in/	Food & Nutritio n	61.5%	I
1996	Higher Secondar y (XIIth standard)	West Bengal Council of Higher Secondary Education, Kolkata, India http://www.wbchse.nic.in/	Science	63.7%	I
1994	Secondar y (Xth standard)	West Bengal Board of Secondary Education, Kolkata, India. http://www.wbbse.org/	General	70%	I

SEMINARS ATTENDED AND TRAININGS RECEIVED:

3&2. Had participated in Refreshers' Course on "Drug Design and Mechanism" sponsored by All India Council for Technical Education (AICTE) (2007 & 2006)

1. Had participated in National Seminar on Recent Advances in Molecular Physiology, Kalyani University, West Bengal, India (2003)

TITLE OF PhD THESIS:

"Combined effect of vanadium and fish oil supplementation on experimental rat mammary carcinogenesis: Role on apoptotic and c-myc gene expressions"

KEY CAREER SKILLS/ TECHNIQUES KNOWN:

As a Scientist/ Research Scholar

Published activities

- Animal handling & feeding procedures
- Animal dissection
- Slide preparation from paraffin block
- Protein and DNA isolation
- Immunohistochemistry & Immunofluorescent techniques (p53, Bcl-2, Bax, BrdU, PCNA, Ki-67, Her-2/neu, γ -H2AX, VEGF, c-Myc)
- TUNEL Assay

Other activities

- Cell culture
- Western blot

As a Dietitian:

- Well versed in clinical dietetics, nutritional therapeutics and preparation of diet charts for a wide array of nutritional and metabolic disorders.

PROFESSIONAL BODY MEMBERSHIP:

Member, Indian Science Congress Association, India.

PUBLICATIONS:

9. 2012 January: e-SPEN Journal [UK]. "Fish oil suppresses angiogenesis, reduces cell proliferation and DNA damage in rat mammary carcinogenesis".

Sangita Manna, Subhadeep Das, Kaushik Roy, Ajay Rana
and Malay Chatterjee

<http://www.e-spenjournal.org/article/S2212-8263%2812%2900006-1/abstract>

8. 2011 April: *Journal of Cellular Biochemistry [USA]*, “Combined supplementation of vanadium and fish oil suppresses tumor growth, cell proliferation and induces apoptosis in DMBA-induced rat mammary carcinogenesis”

Sangita Manna, Subhadeep Das, Mary Chatterjee,
M Janarthan and Malay Chatterjee.

<http://www.ncbi.nlm.nih.gov/pubmed/21503968>

7. 2010 August: *Clinical Nutrition [UK]*, “Fish oil regulates cell proliferation, protect DNA damages and decrease HER-2/neu and c-Myc protein expression in rat mammary carcinogenesis”

Sangita Manna, M. Janarthan, Balaram Ghosh,
Basabi Rana, Ajay Rana and Malay Chatterjee

<http://www.ncbi.nlm.nih.gov/pubmed/20138412>

6. 2008 July: *Prostaglandins, Leukotrienes and Essential Fatty Acid [UK]*, Dietary fish oil associated with increased apoptosis and modulated expression of Bax and Bcl-2 during 7,12-dimethylbenz(α)anthracene induced mammary carcinogenesis in rats.

Sangita Manna, Tridib Chakraborty, Balaram Ghosh, Mary Chatterjee, Amalendu panda, Sunil Srivastava, Ajay Rana and Malay Chatterjee.

<http://www.ncbi.nlm.nih.gov/pubmed/18614344>

5 & 4. 2008: 1st *Pharmaceutical Technology IAPST International Conference on Drug Delivery and Drug Targeting Research (2008)*. Abstracts published titled

i) “Suppression of cell proliferation, induction of apoptosis and cell cycle arrest: Chemopreventive activity of vanadium”.

Balaram Ghosh, **Sangita Manna**, Mary Chatterjee,
Dipak Singha, Mosiur Rahman, Malay Chatterjee

ii) Suppression of tumor growth and invasion in 1,2-dimethylhydrazine (DMH) induced chemical colon carcinogenesis by plant polyphenol.

Mitali Chattopadhyay, Tridib Chakraborty, Balaram Ghosh,
Sangita Manna, Mary Chatterjee, Malay Chatterjee.

2007 May: *Nature* [India] Research Highlight titled “Fish oil for breast cancer”

Sangita Manna, Tridib Chakraborty, Suresh Damodaran,
Kartick Samanta, Basabi Rana and Malay Chatterjee.

<http://www.nature.com/nindia/2007/070501/full/nindia.2007.2.html>

3. 2007 May. *Cancer Cell International* [UK], May 1;7:6. “Protective role of fish oil (Maxepa) on early events of rat mammary carcinogenesis by modulation of DNA-protein crosslinks, cell proliferation and p53 expression.”

Sangita Manna, Tridib Chakraborty, Suresh Damodaran,
Kartick Samanta, Basabi Rana and Malay Chatterjee.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1872018/pdf/1475-2867-7-6.pdf>

2. 2006: *National AIDS Control Organisation, India conference on HIV /AIDS (New Delhi, May)*. Poster presented and abstract published titled “How undernourished are HIV-seropositives? A study from West Bengal.”

Rajkumar Manna, Subhasish Kamal Guha, **Sangita Manna**,
Anindya Chowdhury, Partha Sarathi Chattopadhyay.

1. 2003: *National Seminar on Recent Advances in Stress Physiology, Toxicology and Immunology, University of Kalyani, WB*. Abstract presented titled “ 1α -25-dihydroxyvitamin D3 modulates DNA-chain break and chromosomal aberrations and restores the level of Zinc, iron and copper during DMBA-induced chemical rat mammary carcinogenesis”.

Rajarshi Sankar Ray, Souvik Roy, **Sangita Manna**,
Chandrashis Bhowmick, Prabir Kumar Chakraborty and
Malay Chatterjee.

REFERENCES

1. Prof Malay Chatterjee, M. Sc., PhD, D Sc,
Professor & Head,
Division of Biochemistry, Department of Pharmaceutical Engineering
Jadavpur University, Kolkata, India. PIN 700032.
Cell: +91-94330-75224. E-mail: mcbiochem@yahoo.com
<http://www.jadavpur.edu/>

2. Dr Minati Sen, M.Sc., PhD
Professor and Former Head,
Department of Home and Social Science
University of Calcutta, Kolkata, India. PIN 7000027
Cell: +91-9831640073. E-mail: msen1948@yahoo.co.in
<http://www.caluniv.ac.in/>

3. Dr. Mitali Chattopadhyay, M. Sc., PhD
Research Associate,
Divisions of Physiology & Pharmacology
City University of New York Medical School
138th St. & Convent Avenue, New York, NY 10031, USA
Tel (work): +1-212-650-7795, Fax (work): +1-212-650-7692
Cell: +1-347-461-0336, E-mail: mitalicuny@gmail.com
<http://www.cuny.edu/index.html>

PERSONAL DETAILS

- I am a 1977 July 2nd born 47+ years old female Hindu Indian national, married to a physician and an intensive care specialist [after coming from UK (May, 2013), currently employed in the Narayana Superspeciality Hospital, Kolkata as a ICU Consultant] with two little sons , widely travelled within India and UK, speaking English, Bengali, and Hindi.
 - I love singing Indian songs, reading, watching movies, travelling, cooking, home-making, and befriending people around me.
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