



**Dr. Chitra Mandal, IICB Kolkata**

**Title: A Potential Therapeutic Lead from Edible plant: Hope for targeting  
Cancer and cancer stem cells**

**Chitra Mandal**, Ph.D. in Bio Organic Chemistry from the Indian Institute of Science, Bangalore, post-doctoral work at University of Pennsylvania, USA joined CSIR-Indian Institute of Chemical Biology, Kolkata. She served CSIR-IICB as Director, Scientist-H, Head of Cancer Biology and Inflammatory Disorders Division and also as the Head of CSIR-Innovation Complex, Kolkata. Currently she is working as a *Distinguished Biotechnology Research professor* and *J.C. Bose National Fellow*

Her primary research interest is to understand the mystery of glycosylation of biomolecules and their potential applications in health and diseases.

She has published more than 150 research papers in peer reviewed national and international journals; holds 14 patents and transferred three technologies to industries. She has successfully guided twenty nine students for their PhD degrees.

**Academic honours:**

Dr. Mandal's notable contribution to biological sciences has won her many laurels. She is an elected Fellow of 'The World Academy of Science' as recognition of the outstanding contribution to science and its promotion in the developing world.

She is an elected fellow of all the three National Science Academies of India (FNA, FASc, FNASc) and West Bengal Academy of Science and Technology. She is also an elected fellow of the National Academy of Medical Science (FNAMS) for her contribution in the medical field through working with the children suffering from leukemia. J.C. Bose Fellowship (2010) by DST; Invited to contribute her autobiography by Indian Academy of Sciences, Bangalore, 2008, which has been published in the book "Lilavati's Daughters" The women Scientists of India (<http://tinyurl.com/liladaug>).

**Awards:** Women scientist Award (2017) by OPPI; CSIR Technology Award (2015); Professor Bhim Shanker Trivedi Memorial Medal (2014) lecture by INSA; Dr. Subodh Mitra Memorial Orientation lecture award (2014) by Chittaranjan National Cancer Institute; Deshratna Dr. Rajendra Prasad Oration Lecture (2014) by Rajendra Prasad Institute of Medical Science, Patna; Sir Ronald Ross Memorial Oration lecture (2014) by Institute of Post Graduate Medical Education and Research, Kolkata; National Woman Bio-Scientist Award [Senior Category] (2011) by DBT; Prof. S.S. Katiyar Endowment Lecture award (2011-2012) by The Indian Science Congress Association; Dr. Yellapragada SubbaRow Memorial Lecture (2011) by INSA; Senior Scientist Oration Award (2008) by Indian Immunology Society; BioTech Product and Process Development and Commercialization Award (2005) by DBT; Kshanika Oration Award (2002) by ICMR; Smt. Chandaben Mohanbhai Patel Industrial Research award (2000) by Vividhlaxi Audyogik Samshodhan Vikas Kendra (VASVIK), The P. B. Rama Rao Memorial Award (2001) by S.B.C