

Dr. Sarmila Basu (Sarkar), M.Sc., Ph.D.



❖ Personal Details

Sex- Female

Date of Birth: 08.06.1960

Nationality: Indian

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1/208 Jodhpur Park, Aashirbad Apartment,
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- ❖ **Current Position:** Associate Professor, Department of Chemistry, City College, 102/1 Raja Rammohan Sarani, Kolkata-700009. (Under Calcutta University).

❖ Educational qualifications:

Course	University
B.Sc. (Chemistry Hons.) (1979)	Bethune College, University of Calcutta
M.Sc. (Biochemistry) (1981, held in 1982)	University of Calcutta
Ph.D. (Science) (1990)	University of Calcutta Topic : Lipid and non-lipid constituents of oil bearing materials

❖ Academic Training :

Orientation Programme	<i>Organized by UGC, Calcutta University, 1999</i>
Refresher courses (in chemistry)	<i>i) Organized by UGC, Calcutta University, 2000 ii) Organized by UGC, Calcutta University, 2001</i>
Refresher courses (in Environmental Studies)	<i>Organized by UGC, Calcutta University, 2001</i>

❖ Previous work experience:

Post	College, University and Organisation	Duration
Biochemist	Medinova Diagnostic Centre, Kolkata	1993-94

❖ Area of expertise and Research Interest:

- Modification of fats and oils by different methods such as blending, fractionation, hydrogenation, interesterification for better nutrition and disease control.
- Formulation of Margarine products to substitute butter fat with better nutritional characteristics.

❖ Publications:

- Seed composition of some new varieties of sesame, toria, yellow sarasan, mustard and groundnut: S. Sarkar and D.K. Bhattacharya – Journal of Oil Technologists Association of India, Vol. 19, p.13, 1987.
- Studies on characteristics of rice bran: S. Sarkar and D.K. Bhattacharya - Journal of Oil Technologists Association of India, Vol. 21, p.21, 1989.
- Nutrition of rice bran oil in relation to its purification: S. Sarkar and D.K. Bhattacharya - Journal of American Oil Chemists Society, Vol. 68, p.93, 1991.
- Nutrition of Interesterified mustard oil: S. Sarkar and D.K. Bhattacharya – Oleagineaux, Vol. 47, N-12, p. 713-718, 1992.

❖ Papers presented:

- Food use of palm oil and its fractions: D.K. Bhattacharya, S. Majumdar, S. Sarkar and R. Basu – Paper T 30 presented in 1987. International oil palm/palm oil conferences, Progress and Prospects Conferences II: Technology, 29th June- 1st July, 1987.
- Some Margarine formulation from hydrogenated fats: R. Basu, P.K. Basu, S. Sarkar and A.C. Bhattacharya – Paper presented in the 44th Annual Convention of Oil Technology Association of India held at Calcutta on February 11th & 12th, 1988.

❖ List of Participation in Seminar, Conference and Workshop

Seminar/Symposium	Organized By	Date
International Seminar ‘Oxygen Radicals & Antioxidant in Biotechnology & Medicine’	International Free Radical Society of USA	8.12.1993
‘New Syllabus and method of Teaching’	Ashutosh College	2000
‘Energy Sources: Perspective & Prospectives with special reference to Solar Energy’	UGC, City College	31.1.2003
‘Current Trends in Research at the Cross - Road of Physics, Chemistry and Biology’	UGC, Scottish Church College	20.2.2003
Scarcity of Potable water: Health, Management and Future	UGC, City College	13.3.2004
Application of latest development in physical science on different life processes and environmental pollution	Rammohan College	18.01.2005
Application of spectroscopy in understanding molecular structure	Charuchandra College	23.2.09-24.2.09
International Seminar, Recent Trends In Macromolecular Chemistry [RTMC-2018] held on 10th January 2018 at City College.	City College	10.1.18
National Conference On Future India – Science & Technology	City College, Indian Science Congress Association	27.2.19-28.2.19