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Subjects	Biochemistry, Chemistry, Life Sciences	
Education and experience	• PhD (Biochemistry), Indian Institute of Chemical Biology, Jadavpur University (1995) • M.Sc (Biochemistry), Bullugyange Science College, Calcutta University (1984-1986) • B.Sc.(Honors) (Chemistry), Behala college, Calcutta University (1984) • Scientist, AstraZeneca R & D India, Bangalore (1996-2002) • Scientist, National Chemical Laboratory, Pune (2002-present)	
Achievements	•	
Research Area	• Molecular mechanism of pathogenesis of <i>Mycobacterium tuberculosis</i> • Drug discovery, Target identification and validation • Development of new protocols for High Throughput screening • Enzymology, Molecular Biology, proteomics and protein biochemistry	
Recent publications	1. Bactericidal activity of 2-nitroimidazole against the active replicating stage of <i>Mycobacterium bovis</i> BCG and <i>Mycobacterium tuberculosis</i> with intracellular efficacy in THP-1 macrophages. Khan A, Sarkar S, Sarkar D.(2008) Int J Antimicrob Agents.; 32(1): 40-5. 2. Presence of a functional nitrate assimilation pathway in <i>Mycobacterium smegmatis</i>. Khan A, Akhtar S, Ahmad JN, Sarkar D. Microb Pathog. 2008 Jan;44(1):71-7. 3. A novel screening method based on menadione mediated rapid reduction of tetrazolium salt for testing of anti-mycobacterial agents. Singh U, Akhtar S, Mishra A, Sarkar D. J Microbiol Methods. 2011 Feb;84(2):202-7. 4. A method to extract intact and pure RNA from mycobacteria. Akhtar S, Sarkar S, Mishra A, Sarkar D. Anal Biochem. 2011 Oct 15;417(2):286-8.	