

Faculty Profile



Name:	Dr. Subhas Chandra Debnath
Designation:	Assistant Professor
Faculty:	Science
Department:	Department of Chemistry
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Qualifications:	M.Sc., Ph.D.
Areas of Interest/Specialization:	Rubber Chemistry and Technology, Nanocomposites Specialization in Physical Chemistry
Experience:	20 years research experience including 2 years in the Netherland and 1 Year in Germany. About 9 years teaching experience including 2 years in U.G. level
Awards & Honours:	“National Scholarship” in 1982 for the results in the secondary examination. “National Merit Scholarship” in 1987 for the results in B.Sc. Hons. Examination.
International/National Collaboration/Consultancy	
Best Peer Reviewed Publications/Books (upto 5)	1. Liquid Chromatography/Coordination Ion-spray-Mass Spectrometry (LC/CIS-MS) for the Analysis of Rubber Vulcanization Products.

	<p>H. Hayen, M. Álvarez-Grima, S. C. Debnath, J. W. M. Noordermeer and U. Karst. <i>Analytical Chemistry</i>, 2004, Vol. 76, p 1063-1068.</p> <p>2. Bis (N-benzyl piperazino) thiuram disulfide and dibenzothiazyl disulfide as synergistic safe accelerators in the vulcanization of natural rubber. Md. N. Alam, S. K. Mandal and S. C. Debnath. <i>J. Appl. Polym. Sci.</i>, 2012, Vol. 126, p 1830–1836.</p> <p>3. Reclaiming of ground rubber tire by safe multifunctional rubber additives: I. tetra benzyl-thiuram disulfide. S. K. Mandal, N. Alam and S. C. Debnath. <i>RUBBER CHEM. & TECHNOL.</i>, 2012, Vol. 85, p 629-644.</p> <p>4. Switching of ferroelectric liquid crystal doped with cetyltrimethylammonium bromide-assisted CdS nanostructures. K. Pal, U. N. Maiti, T. P. Majumder, S. C. Debnath, S. K. Roy and J. M. Otón. <i>Nanotechnology</i>, 2013, Vol. 24, p 125702.</p> <p>5. Sol-Gel Derived Nano Zinc Oxide for the Reduction of Zinc Oxide Level in Natural Rubber Compounds. K. Roy, M. N. Alam, S. K. Mandal and S.C. Debnath. <i>Journal of Sol-Gel Science and Technology</i>, 2014, DOI: 10.1007/s10971-014-3293-9</p>
Patents (if any)	NIL