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2. Email(s) and contact number(s): suditmukhopadhy@yahoo.com, sudit.mukhopadhyay@bt.nitdgp.ac.in ; 9434788139, 9830440945
3. Institution: National Institute of Technology Durgapur
4. Date of Birth: January 26th, 1967
5. Gender (M/F/T): M
6. Category Gen/SC/ST/OBC: Gen
7. Whether differently abled (Yes/No): No
8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	Ph.D	1999	Animal Genetics	Jadavpur	
2.	M.Sc.	1990	Zoology (Cell Biology)	Burdwan	1 st class
3.	B.Sc (Hons)	1988	Zoology(hons), Chemistry, Botany	Burdwan	1 st class

9. Ph.D thesis title: Studies of the repetitive sequences of the mammalian genome.

Guide's Name: Late R. K. Mandal

Institute/Organization/University: Work done in Biochemistry Department of Bose Institute, Kolkata, Degree awarded by Jadavpur University

Year of Award: 24.11.1099

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Professor	NIT Durgapur	October 2018	Till date	1,73,900.00
2	Associate Professor	NIT Durgapur	June 16 th 2010	October 2018	37,400-67000
3	Associate Professor	Tezpur University, Assam	Nov 2009	June 15 th 2010	37,400-67000
4	Senior Res Investigator-II	Advinus Therapeutics Pvt. Ltd., Pune	July 2007	Oct 2009	
5	Faculty Research	M.D. Anderson Cancer Center, Houston, TX, USA	2005	2007	

6	Instructor	Dept. of Pediatrics, Texas Childrens Hospital, Baylor College of Medicine, Houston, TX, USA	2002	2005	
7	Post Doc	Baylor College of Medicine, Houston, TX, USA	1997	2002	

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	National Scholarship	UGC, Govt .of India	1998-90

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

S. No.	Title of Paper	Author(s)	Name of the Journal	Vol. & Year	pages
1	Optimized structure of monoubiquitinated FANCD2 (human) at Lys 561: a theoretical approach	Mondal, S., Reddy, S., & Mukhopadhyay, S. S	<i>Journal of Biomolecular Structure and Dynamics</i>	https://doi.org/10.1080/07391102.2021.1929490 , 2021	
2	Loss of Mitochondrial Localization of Human FANCG Causes Defective FANCD2 Helicase.	K Bose JC., Kapoor BS., Mandal K., Ghosh S., Mokhamatam RB., Manna SK., Mukhopadhyay SS.	<i>Molecular and Cellular Biology</i>	Volume 40 Issue 23 2020December	https://doi.org/10.1128/mcb.00306-20 (Cover page article)
3	Improved catalytic activity and stability of cellobiohydrolase (Cel6A) from the <i>Aspergillus fumigatus</i> by rational design	Dodda S.R., Sarkar, N., Jain P, Aikat, K., and Mukhopadhyay, S.S.	<i>Protein Engineering, Design & Selection: PEDS</i>	01 Sep 2020,33,DOI: 10.1093/protein/gzaa020 PMID:32930798.	P1-11
4	Structural and functional insights of b-glucosidases identified from the genome of <i>Aspergillus fumigatus</i>	Subba Reddy Dodda, Aparajita Aich, Nibedita Sarkar, Piyush Jain, Sneha Jain, Sudipa Mondal, Kaustav Aikat, Sudit S. Mukhopadhyay	<i>Journal of Molecular Structure</i>	1156;2018	105-114
5	Insights from the Molecular Dynamics Simulation of Cellobiohydrolase Cel6A Molecular Structural Model from <i>Aspergillus fumigatus</i> NITDGPKA3.	Subba Reddy Dodda, Nibedita Sarkar, Kaustav Aikat, Navanietha R. Krishnaraj, Sanchari Bhattacharjee, Angshuman	<i>Combinatorial Chemistry & High Throughput Screening</i>	Vol. 19, No. 4. 2016	

		Bagchi and Sudit S. Mukhopadhyay			
6	Structural and functional insights of β -Glucosidases identified from the genome of <i>Aspergillus fumigatus</i>	Subba Reddy Dodda, Aparajita Aich, Nibedita Sarkar, Piyush Jain, Sneha Jain, Sudipa Mondal, Kaustav Aikat and Sudit S. Mukhopadhyay	Journal of Molecular Structure	1156, 15 March 2018,	105-114
7	A systems biology approach for elucidating the interaction of curcumin with Fanconi anemia FANCG protein and the key disease targets of leukemia.	Mahato D, Samanta D, Mukhopadhyay SS , Krishnaraj RN	<i>J Recept Signal Transduct Res</i>	2016 Sep 8	1-7
8	Insights from the Molecular Dynamics Simulation of Cellobiohydrolase Cel6A Molecular Structural Model from <i>Aspergillus fumigatus</i> NITDGPKA3.	Dodda SR, Sarkar N, Aikat K, Krishnaraj NR, Bhattacharjee S, Bagchi A, Mukhopadhyay SS	<i>Comb Chem High Throughput Screen</i>	2016;19(4)	325-33
9	Antagonistic molecular interactions of photosynthetic pigments with molecular disease targets: a new approach to treat AD and ALS.	Krishnaraj RN, Kumari SS, Mukhopadhyay SS .	<i>J Recept Signal Transduct Res</i>	2016;36	67-71
10	Interaction of bio-relevant thio-ether and thiols with dinuclear pd(II) complex: kinetics, mechanism, bio activity and in aqueous medium and molecular docking	Koyel Misra, Gautam Kr. Ghosh, Ishani Mitra, Subhajit Mukherjee, Venkata P. Reddy B, Wolfgang Linert, Bashkim Misini, Jagadeesh C. Bose K, Sudit Mukhopadhyay and Sankar Ch. Moi	<i>RSC Advances</i>	5, 2015	12454-62
11	Ligand substitution reaction on a platinum(II) complex with bio-relevant thiols: kinetics, mechanism and bioactivity in aqueous medium	Avradeep Samanta, Goutam Kr. Ghosh, Ishani Mitra, Subhajit Mukherjee, Jagadeesh C. Bose K, Sudit Mukhopadhyay , Wolfgang Linert and Sankar Ch. Moi	<i>RSC Advances</i>	4, 2014	43516-24
12	Binding of aquo-ethylenediaminetetraace	Chatterjee C, Bose K. JC.,	<i>Inorganica Chimica</i>	404&2013	1-4

	tatoruthenium (III) to apo-transferin. Fluorescence, antiproliferative and <i>in silico</i> studies	Mukhopadhyay, SS	<i>Acta</i>		
13	Potent and Selective Inhibitors of Long Chain L-2-Hydroxy Acid Oxidase Reduced Blood Pressure in DOCA Salt-Treated Rats	Dinesh A. Barawkar *, Ashwin Meru , Anish Bandyopadhyay , Abir Banerjee , Anil M. Deshpande , Chandrashekhar Athare , Chandrashekhar Koduru , Goraksha Khose , Jayasagar Gundu , Koshu Mahajan , Pradeep Patil , Sachin R. Kandalkar , Sanjay Niranjan , Shubhangi Bhosale , Siddhartha De , Sudit Mukhopadhyay , Sumit Chaudhary , Summon Koul , Umesh Singh , Anita Chugh , Venkata P. Palle , Kasim A. Mookhtiar , Joseph Vacca , Prasun K. Chakravarty , Ravi P. Nargund , Samuel D. Wright , Sophie Roy , Michael P. Graziano , Sheo B. Singh , Doris Cully , and Tian-Quan Cai ‡	<i>ACS Medicinal Chemistry Letters</i>	2 (12), 2011	919–923
14	Redox Reaction of [RuIII(hedrata)(Pz) Complex with Biochemically Important Reductants: Kinetic, Mechanistic and Antimicrobial Studies	D. Chatterjee, S. Ghosh, U. Pal, S. Mukhopadhyay	European Journal of Inorganic Chemistry	4,2012	678-683
15	Peroxydisulfate activity activation by [RuII(tpy)(pic)(H ₂ O)] ⁺ .	D. Chatterjee, P. Banerjee, JC, Bose, S.	Dalton's Trans	41(9) 2012	2698-8

	Kinetic, Mechanistic and anti-microbial activity studies	Mukhopadhyay			
16	Studies on Processing and Characterization of Hydroxyapatite Biomaterials from Different Bio Wastes	Sudip Mondal, Biswanath Mondal, Apurba Dey, Sudit S. Mukhopadhyay	Journal of Minerals and Materials Characterization and Engineering	11,2012	55-67
17	Synthesis, characterization and <i>in vitro</i> cytotoxicity assessment of hydroxyapatite from different bioresources for tissue engineering application	Sudip Mondal, Rajashree Bardhan, Biswanath Mondal, Apurba Dey [†] , Sudit S. Mukhopadhyay[†] , Syamal Roy [‡] , Rajan Guha [‡] and Koushik Roy	Bull. Mater. Sci	35,2012	683-691
18	Optimisation of process parameters for fabrication of nanocrystalline TiO ₂ -hydroxyapatite based scaffold using response surface methodology	B. Mondal*1, N. Mandal1, S. Mandal1, K. Mukherjee1, S. Mukhopadhyay2 and A. Dey2	Advances in Applied Ceramics	113,2014	129-138
19	Physico-chemical characterization and biological response of Labeo rohita-derived hydroxyapatite scaffold	S. Mondal • A. Mondal • N. Mandal • B. Mondal • S. S. Mukhopadhyay • A. Dey • S. Singh	Bioprocess Biosyst Eng	37: 2014	1233–1240
20	Snm1B/ Apollo Interacts with Astrin and is required for the Prophase Cell Cycle Checkpoint	Liu, L., Akhtar, S., Bae. J-B., Mukhopadhyay, SS. , Richie, C. and Legerski, R.	Cell Cycle	8:4,2009	628-638
21	Snm1B/Apollo Mediates Replication Fork Collapse and S phase Checkpoint Activation in Response to DNA Interstrand Cross-Links	Bae, J-B [#] , Mukhopadhyay, SS. [#] , Liu, L., Zhang, N., Tan, J., Akhter, S., Liu, X., Shen, X., Li, L., and Legerski, RJ ^(#equal contribution)	Oncogene	27(37)2008	5045-5056
22	The C-terminal domain of the nuclear factor I-B2 isoform is glycosylated and transactivates the WAP gene in the JEG-3 cells.	Mukhopadhyay, SS* . and Rosen, JM (*corresponding author)	Biochem Biophys Res Comm	358 (2007)	770-776
23	Defective mitochondrial peroxiredoxin 3 results in sensitivity to oxidative stress in Fanconi anemia	Mukhopadhyay, SS. , Leung, KS., Hicks, MJ., Hastings, PJ., Youssouffian, H., Plon, SE.	Journal of Cell Biology	175,2006	225-235

2 4	MR compensates for the loss of Glucocorticoid Receptor at specific stage of mammary gland development	, MK., Mukhopadhyay, SS. , Wyszomierski, SL., Schanler, S., Schutz, G., Rosen, JM.	Molecular Endocrinology	16 (9),2002	2008-18
2 5	A family of SINE -like sequences in the genomes of cattle, goat and buffalo	Sheikh, FG., Mukhopadhyay, SS.* , Gupta, P. (*Corresponding author)	Genome	45,2002	44-50
2 6	Differential interactions of specific NFI isoforms with GR and STAT5A in the cooperative regulation of WAP gene transcription	Mukhopadhyay, SS. , Wyszomieriski, SL., Gronostajski, RM., Rosen, JM	Mol. Cell. Biol	21,2001	6859-69
2 7	In vitro binding of cattle Pst I SINE with 33-kDa nuclear protein	Mukhopadhyay, S.S. * , Sheikh, F. G. and Gupta, P. (*Corresponding author)	Genome	43:2000	981-987

13. ResearchProjects/Sponsored project/Consultancy activities:

<i>Sponsoring Agency</i>	<i>Title of the Project</i>	<i>Period</i>	<i>Amount</i>	<i>Status (Completed/Ongoing)</i>
DBT-Govt. of India	Studying Fanconi Anemia; A Rare Disorder :For Understanding The Mitochondrial Roll in Genomic Insatbility and Cancer (PI)	2012-2015	Rs. 76 lakhs	Completed
DBT-Govt. of India	Engineering of cellulase enzymes of Aspergillus fumigates NITDGPKA3 for enhancing their activity” (PI)	2017-2020	Rs. 37.63lakhs	Ongoing
SERB-DST Govt. of India	MCM3AP: A novel S phases replication checkpoint protein and its relation to Fanconi anemia protein (PI)	2017-2020	Rs. 41.39 lakhs	Ongoing
SERB-DST	Role of novel.....expression in monocytes. (Co-PI)	2014-2017	Rs. 47.39lakhs	Ongoing
SERB-DST	Investigation Of Functional Connection Between Camp-Dependent Signaling Pathway And Mowish, A Gene Encoding A Novel GPCR In Rice Blast Fungus (Co-PI)	2017-2020	Rs. 50lakhs	Ongoing
DBT-Govt. of India	Over riding.....Src family Tyrosine Kinase (As CoPi)	2011-2014	Rs. 25 Lakhs	Completed
DBT-Govt. of India	Antibody and RNAi-based resistance to rice blast fungus (As CoPI)	2013-2016	45.6 Lakhs	Completed
DBT-Govt. of India	Secondary metabolism and pathogenesis in rice blast fungus (As Co PI)	2013-2016	40.67 Lakhs	Completed

14. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	Recombinant CCellobiohydro lase	Sudit S. Mukhopadhyay,Subba Reddy Dodda,Nibedita Sarkar, Kaustav Aikat	TEMP/E- 1/46195/2017- KOL		Rajarshi Dasgupta/India	Applicatio n submitted

2	"DEVELOPMENT OF DISULPHIDE BOND ENGINEERED ENZYME AECFL 7A"	Mukhopadhyay Sudit S., Dodda Subba Reddy, Hossain Musaddique, Aikat Kaustav	202131050361		Anjan Sen & Associates	Application submitted
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15. Books/Reports/Chapters/General articles etc.

S. No.	Name of book/ monograph/ Book chapters	Name of Authors	Year of Publication	Publisher with address
1	Involvement of Mitochondria in the Pathology of Fanconin Anemia	Pavithra Shyamsunder, Rama S. Verma, Sudit S. Mukhopadhyay and Alex Lyakhovich	2015	Nova Science Publishers, Inc. New York, USA ISBN:978-1-63482-297-8