BIO-DATA

1. Name and full correspondence address

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3. Institution

Visva-Bharati University
(A Central University)

4. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution
1	B.Sc	1990	Chemistry, Botany. Zoology in 1st two years.	Lucknow University
2	M.Sc	1992	Biotechnology (Special paper: Plant Biotechnology)	Banaras Hindu University, Varanasi
3	Ph.D.	1997	Biotechnology	Banaras Hindu University
4	DBT-PDF	1999	Role of Nitric Oxide Synthase in the Impairment of Cytochrome P-450 During Experimental Leishmaniasis in Golden Hamsters.	Bose Institute, Kolkata
5	Postdoctoral fellow	1999-2000	Oxidative stress and age-related studies.	Southern Methodist University, Dallas
6	Postdoctoral Research Associate	2000-2002	Oxidative stress and age-related studies.	University of Southern California, Los Angeles
7	Research Associate	2003-2004	Modulation of telomerase activity in vivo and its biological consequences in cultured mammalian cells.	Saha Institute of Nuclear Physics, Kolkata
8	Patent trainee	2004-2005	On-the-job training in matters related to patents and copyright.	TIFAC (DST)

5. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Thesis title: "Studies on Urease from Dehusked Seeds of Pigeonpea (*Cajanus cajan* L.) and its Analytical Applications"

6. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Assistant Professor Stage I	Visva-Bharati, Santiniketan	2005	2009	15600-39100; GPay 6000

2	Assistant Professor Stage II		2009	2014	15600-39100; GPay 7000
3	Assistant Professor Stage III		2014	2017	15600-39100; GPay 8000
4	Associate Professor		2017	Till date	15600-39100; GPay 9000
5	Professor		Due from 1/3/2020	-	

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

S. No	Name of Award	Awarding Agency	Year
1	National Merit Scholarship	Department of Biotechnology, India.	1990-1992
2	GATE	IIT	1992
3	Junior & Senior Research Fellowship	Council of Scientific and Industrial Research, India.	1993-1997
4	Postdoctoral fellowship	Department of Biotechnology, India.	1997-1999
5	Fellowship for Professional training programme for Women Scientists.	Department of Science and Technology, India.	2004-2005
6	INSA-RSE International Exchange Fellowship	India National Science Academy and Royal Society of Edinburgh.	2013

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

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Ankita Nandi, Himanshu Sachin Giram, Vishnu Pratap Patel, Ritam Mehera, Satadruta Das, Deokrishna Kumar Choudhary, Abdur Rahman, Dipanjan Saha, Paramesh Chandra, Man Singh, Naznin Ara Begum,	Single-step synthesis of ZnO nanoparticles using a phytosynthesis route and its characterization	*Z Naturforschung A* Impact factor: 1.8 Citations: 2 as of Aug. 8, '25	79	-	2024

	Swapan Kumar Mandal, Chandan Kumar Jana, **Nilanjana Das**					
2	Ankita Nandi, Ritam Mehera, Moumita Mandal, Paramesh Chandra, Swapan K Mandal, Naznin Ara Begum, Chandan K. Jana, **Nilanjana Das**	Effect of biosynthesized ZnO nanoparticles on oxidative stress parameters in *Saccharomyces cerevisiae*.	*J. Phys. Chem. Solids* Impact factor: 4 Citations: as of Aug. 8, '25	185	111748	2024
3	M. Mukherjee, C. K. Jana, **Nilanjana Das**	Oxidation of biological molecules with age and induced oxidative stress in different growth phases of *Saccharomyces cerevisiae*.	*Antonie van Leeuwenhoek* Impact factor: 2.6 Citations: 2 as of Aug. 8, '25	116	353–365	2023
4	**Nilanjana Das** and Chandan Kumar Jana	Aldolase is a target of oxidative modifications: Evidence from *Drosophila melanogaster*.	*Journal of Scientific Research*	65	129-135	2021
5	Madhumathan Mukherjee, Ankita Nandi, Krishna Chandra, Surjya Kumar Saikia, Chandan Kumar Jana, **Nilanjana Das**	Protein extraction from *Saccharomyces cerevisiae* at different growth phases.	*Journal of Microbiological Methods* Impact factor: 2.622 Citations: 16 as of Aug. 8, '25	172	105906	2020
6	Ankita Nandi, Liang-Jun Yan, Chandan Kumar Jana and **Nilanjana Das**	Role of Catalase in Oxidative Stress- and Age-Associated Degenerative Diseases	*Oxidative Medicine and Cellular Longevity* Impact factor: 7.31	2019	9613090	2019

			Citations: 1232 as of Aug. 8, '25			
7	Rachna Gupta, **Nilanjana Das**, Man Singh	Fabrication and surface characterisation of c-ZnO loaded TTDMM dendrimer nanocomposites for biological applications.	*Applied Surface Science* Impact factor: 7.392 Citations: 17 as of Aug. 8, '25	484	781-796.	2019
8	Rachna Gupta, Parth Malik, **Nilanjana Das**, Man Singh	Antioxidant and physicochemical study of *Psidium guajava* prepared zinc oxide nanoparticles.	*Journal of Molecular Liquids* Impact factor: 6.633 Citations: 46 as of Aug. 8, '25	275	749-767	2019
9	Tamanna Mallick, Abhijit Karmakar, Shaikh Batuta, Giasuddin Ahamed, Sreeparna Das, Md. Niharul Alam, Madhumathan Mukherjee, **Nilanjana Das**, Debabrata Mandal, and Naznin Ara Begum	Fluorescent small molecules are big enough to sense biomacromolecule: Synthesis of aromatic thioesters and understanding their interactions with ctDNA.	*ACS Omega* Impact factor: 4.132 Citations: 7 as of Aug. 8, '25	3	334−348	2018
10	Chanchal Das, **Nilanjana Das** and Chandan Kumar Jana	Differential extraction of flavonoids, total phenols and reducing sugars using water, methanol and ethyl acetate from medicinal plants of Bankura.	*Journal of the Institution of Chemists (India)*	89	146-157	2017
11	Chandan Kumar Jana and **Nilanjana Das**	Calorie Restriction Attenuates the Age-Associated Decrease in Subunit of F1 ATP Synthase Activity in the Mouse Skeletal Muscles.	*Current Nutrition & Food Science*	12	236-240	2016
12	Rachna Gupta, **Nilanjana Das**, Deepa	Biological activities of phytosynthesized Copper oxide and zinc oxide	*International Journal of Innovative*	4	1016-1028	2016

	Bhagat, Srujana Sripathi	nanoparticles	*Pharmaceutical Sciences and Research*			
13	**Nilanjana Das** and Chandan Kumar Jana	Tissue-specific effect of Coenzyme Q_{10} supplementation on the oxidative posttranslational modifications in the rat.	*Open Pharmaceutical Sciences Journal* Citations: 2 as of Aug. 8, '25	3	196-202	2016
14	Chandan K. Jana, **Nilanjana Das**, Gunindra Nath Chattopadhyay	Improved extraction of humic acids from vermicomposted organic waste by a column-based continuous elution method.	*Separation Science and Technology* Impact factor: 2.799 Citations: 11 as of Aug. 8, '25	51	2780-2789	2016
15	Chandan Kumar Jana and **Nilanjana Das**	Effect of a calorically restricted dietary regime on oxidative post-translational modifications of plasma proteins in mice and rats.	*Journal of the Indian Chemical Society* Impact factor: 0.243 Citations: 1 as of Aug. 8, '25	92	1263-1269	2015
16	**Nilanjana Das** and Chandan Kumar Jana	Age-associated oxidative modifications of mitochondrial α subunit of F1 ATP synthase from mouse skeletal muscles.	*Free Radical Research* Impact factor: 4.354 Citations: 9 as of Aug. 8, '25	49	954-961	2015
17	Chandan Kumar Jana and **Nilanjana Das**	Role of dietary antioxidants in improving health: A minireview.	*Journal of the Institution of Chemists (India)*	86	65-76	2014
18	**Nilanjana Das** and Chandan Kumar Jana	Tissue-specific attenuation of oxidative posttranslational modifications in the mouse supplemented with dietary alpha tocopherol.	*Journal of the Institution of Chemists (India)*	86	161-172	2014
19	Nilanjana Das	Polymorphic Forms of Urease from the Dehusked Seeds of Pigeonpea (*Cajanus cajan* L.).	*Journal of Proteins and Proteomics*	5	163-168	2014
20	Chandan Kumar Jana	Measurement of humic acids by microwave-	*Journal of the Institution of*	86	43-63	2014

	and **Nilanjana Das**	assisted fast extraction from vermicompost.	*Chemists (India)*			
21	U. Ghosh, **Nilanjana Das** and N. P. Bhattacharyya	Inhibition of telomerase activity by reduction of poly (ADP-ribosyl)ation of TERT and TEP1/TP1 expression in HeLa cells with knocked down poly (ADP-ribose) polymerase-1 (PARP-1) gene.	*Mutation Research: Fundamental and Molecular Mechanisms of Mutagenesis* Impact factor: 3.151 Citations: 26 as of Aug. 8, '25	615	66-74	2007
22	T. B. Samanta, **Nilanjana Das**, M. Das and R. Marik	Mechanism of impairment of cytochrome P450 dependent metabolism in hamster liver during leishmaniasis.	*Biochemical and Biophysical Research Communications* Impact factor: 3.322 Citations: 14 as of Aug. 8, '25	312	75-79	2003
23	**Nilanjana Das**, A. M. Kayastha and P. K. Srivastava	Purification and characterization of urease from dehusked pigeonpea (*Cajanus cajan* L.) seeds.	*Phytochemistry* Impact factor: 4.004 Citations: 143 as of Aug. 8, '25	61	513-521	2002
24	C.K. Jana, **Nilanjana Das** and R. S. Sohal	Specificity of age-related carbonylation of plasma proteins in the mouse and rat.	*Archives of Biochemistry and Biophysics* Impact factor: 4.114 Citations: 100 as of Aug. 8, '25	397	433-439	2002
25	**Nilanjana Das**, R. L. Levine, W. C. Orr and R. S. Sohal	Selectivity of protein oxidative damage during aging in *Drosophila melanogaster*.	*Biochemical Journal* Impact factor: 3.766 Citations: 257 as of Aug. 8, '25	360	209-216	2001
26	A. M. Kayastha and **Nilanjana Das**	A simple laboratory experiment for teaching enzyme immobilization of urease and its application in blood urea estimation.	*Biochemical Education* (now *Biochemistry and Molecular Biology Education*)	27	114-118	1999

			Impact factor: 1.369 Citations: 55 as of Aug. 8, '25			
27	**Nilanjana Das** and A. M. Kayastha	Immobilization of urease from pigeonpea (*Cajanus cajan* L.) on flannel cloth using polyethylenemine.	*World Journal of Microbiology and Biotechnology* Citations: 41 as of Aug. 8, '25	14	927-929	1998
28	A.M. Kayastha and **Nilanjana Das**	Kinetics of thermal inactivation and molecular asymmetry of urease from dehusked pigeonpea (*Cajanus cajan* L.) seeds.	*Journal of Plant Biochemistry and Biotechnol*ogy Impact factor:1.525 Citations: 15 as of Aug. 8, '25	7	121-124	1998
29	**Nilanjana Das**, A. M. Kayastha and O. P. Malhotra	Immobilization of urease from pigeonpea (*Cajanus cajan* L.) in polyacrylamide and calcium alginate beads.	*Biotechnology and Applied Biochemistry* Impact factor: 2.724 Citations: 98 as of Aug. 8, '25	27	25-29	1998
30	**Nilanjana Das**, P. Prabhakar, A. M. Kayastha and R. C. Srivastava	Enzyme entrapped inside the reversed micelle in the fabrication of a new urea sensor.	*Biotechnology and Bioengineering* Impact factor: 4.395 Citations: 63 as of Aug. 8, '25	54	329-332	1997

9. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country
1	Improved method of extracting humic acids	Panchmura Mahavidyalaya and Visva-Bharati University	309209	2013	India

10. Books/Reports/Chapters/General articles etc.

S. No	Title	Author's Name	Publisher	Year of Publication
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11. Any other Information (maximum 500 words)

Recipient of INSA-Royal Society of Edinburgh bilateral exchange fellowship to Scotland (2013).