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3. Institution: Vidyasagar University, Midnapore-721102

4. Date of Birth:19.12.1977

5. Gender(M/F/T): F

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.	B.Sc.	Vidyasagar University	1998	Physiology(H), Zoology (P), Chemistry (P)	66.63% (Rank 1 st) (Gold Medalist)
2.	M.Sc.	Vidyasagar University	2000	Human Physiology	73.9% (Rank1 st) (Gold Medalist)
3.	State Level Eligibility Test (SLET)	----	2001	Life Sciences	-----
4.	PhD Doctor of Philosophy (Pharmacy)	Jadavpur University	2012	Testing of Genetic Engineering Strategies for Transgenic Plant Production Methodology	-----

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

Testing of Genetic Engineering Strategies for Transgenic Plant Production Methodology, Late Prof. Soumitra Kumar Sen, Indian Institute of Technology, Kharagpur, Jadavpur University, 2012.

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

Sl. No	Name of Award	Awarding Agency	Year
1	Scholarship for holding the 1 st Position in B.Sc Examinations	Education Directorate, Govt. of West Bengal	1998
2	University Gold-centered Silver Medal for holding the 1 st position in B.Sc Hons Examinations	Vidyasagar University	1998
3	University Gold-centered Silver Medal for holding the 1 st position in M.Sc.	Vidyasagar University	2000
4	Sarala Debnath Memorial Endowment Medal for standing 1 st in M.Sc Examinations	Vidyasagar University	2000
	Qualified for State-Funded Scholarship in the Departments of the State-Aided Universities in Life Sciences	State level Eligibility Test	2001

11. Publications (List of papers published in SCI Journals, in year wise descending order):19

Sl. No.	Title with author name(s) in order as published	Journal Name, Vol. with pagenumber, Year	Publisher & ISSN, DOI (if any)	Whether peer reviewed and/ UGC listed/Scopus/web of science Impact Factor (if any)	Citation no
1.	Consequences of Azithromycin use on gut microbiota and antibiotic resistance: An experimental study Sagarika Mukhopadhyay, Tanushree Samanta, Suman Kalyan Khanra, Anup Jana	Malaysian Journal of Microbiology, Vol 22(1) 2026, pp. 68-78	MALAYSIAN SOC MICROBIOLOGY, UNIV SAINS MALAYSIA, SCHOOL BIOLOGICAL SCIENCES, PENANG, MALAYSIA, 11800, ISSN (print): 1823-8262, ISSN (online): 2231-7538 https://doi.org/10.21161/mjm.240764	Web of science (ESCI), Scopus Impact factor: 0.08	00
2.	Alleviation of Hydroxychloroquine-Induced Hepatic and Renal Damage by Dietary Intervention with Avena sativa and Ficus carica on Male Albino Rats Sagarika Mukhopadhyay, Tanushree Samanta, Suman Kalyan Khanra,	UTTAR PRADESH JOURNAL OF ZOOLOGY 47(2), Jan 2026, 119-130	IK press, 0256-971X, https://doi.org/10.56557/upjoz/2026/v47i25469	Web of science Impact factor: NA	00

	Anup Jana				
3.	Effect of industrial effluents on the physico-chemical parameter of the receiving water bodies in India Suman Kalyan Khanra, Tanushree Samanta, Sagarika Mukhopadhyay, Anup Jana	International Journal of Ecology and Environmental Sciences 7(2):Jun 2025, 63-68	International Journal of Ecology and Environmental Sciences, Online ISSN: 2664-7133, Print ISSN: 2664-7125	Peer reviewed RJIF:8	00
4.	ASSOCIATION OF AZITHROMYCIN'S BOUNDLESS EXPOSURE DURING COVID ERA WITH DYSMOTILITY OF SMALL INTESTINE AND DEPLETION OF TOTAL BACTERIAL COLONY OF GUT Sagarika Mukhopadhyay, Tanushree Samanta, Suman Kalyan Khanra, Anup Jana	International Journal of Biology Pharmacy and Allied Sciences, Vol 14 (2), Feb 2025,1164-1175	BPAS publishers, ISSN: 2277-4998, https://doi.org/10.31032/IJBPA S/2025/14.2.8747	Web of science Impact factor: ISI:2.921	00
5.	Possible hazards on gastrointestinal system and total gut bacterial colony due to boundless use of Hydroxychloroquine during COVID era: a six days exposure study on male albino rats Sagarika Mukhopadhyay, Tanushree Samanta, Suman Kalyan Khanra, Anup Jana	Berkala Penelitian Hayati, Vol 30 No 2 (2024): August 2024	The East Java Biological Society, ISSN: 0852-6834 Jalan Surakarta No 5, Malang, East Java 65114, Indonesia https://doi.org/10.23869/bphjbr.30.2.20247	Web of science Impact factor: NA	01
6.	Adverse Effects of Hydroxychloroquine on Testicular Tissue and Sperm Quality: An Experimental study on Male Albino Rats Sagarika Mukhopadhyay, Tanushree Samanta, Suman Kalyan Khanra, Anup Jana	Journal of Clinical and Diagnostic Research, Volume : 18 Issue : 7 Page : CC10 - CC14,2024	Dr Hemant Jain for JCDR Research and Publications (P) Limited. ISSN: 0973-709X 10.7860/JCDR/2024/70943.19681	Web of science (ESCI) Impact factor:1.148	01
7.	A detailed study of the physicochemical parameters of the	Environmental Health Engineering and Management Journal, 11(1), 71-81,2024	Kerman University of Medical Sciences, ISSN:2423-4311,	Web of science, Scopus	03

	solid waste dumping grounds adjoining densely populated areas: A case study in India. Tanushree Samanta, Anup Jana, Suman Kalyan Khanra, Sagarika Mukhopadhyay		10.34172/EHEM.2024.09	Impact factor:1.4	
8.	Catastrophic consequences of the enormous use of hydroxychloroquine during COVID era on liver and kidney of male albino rats: an <i>in-vivo</i> study. Samanta T, Mukhopadhyay S, Khanra S K, Jana A	International Journal of Basic & Clinical Pharmacology, 12(5), 657-662, 2023	Medip Academy, ISSN: 2279-0780, https://doi.org/10.18203/2319-2003.ijbcp20232461	Peer reviewed Impact factor: NA	04
9.	Seasonal dominance on the morphometry of <i>B. bengalensis</i> from Paschim Medinipur district, West Bengal (INDIA). Samanta T, Khanra S K, Mukhopadhyay S, Jana A	INJRD, 8(1), D526- d536, 2023	<u>IJ Publication</u> , ISSN:2456-4184,	Peer reviewed Impact factor: 8.76	00
10.	Effect of Cry Protein Induced Toxicity on Different Biochemical Parameters Of Spleen along with Histological and Histopathological Changes Observed in Male Albino Rats after A 90 Day Feeding Study. Khamrai A R, Samanta T.	Advances in Bioresearch, 13(4), 149-154, 2022	Society of Education, India, 2277-1573,10.15515/abr. ISSN: 0976-4585.13.4.149154	Peer reviewed Impact factor:4.238	00
11.	Study of The Pulmonary Function Test on Women, “The Domestic Biofuel (Wood) Users” in a Tribal Village of Paschim Medinipur, West Bengal, India. Samanta T, Mukhopadhyay S.	IJFMR, 4(5), 1-12, 2022	Futuristic Research Publications and Journals,2582-2160	Peer reviewed Impact factor: 9.24	00
12.	Effects of Cry Protein Based	INTI Journal, 17, 2022	INTI International University, Nilai, Negeri	Peer reviewed	00

	Diet on the Intestinal Motility and Histopathological Changes in Male Albino Rats. Dr. T. Tulsian (Samanta) & Arpita Rani Khamrai		Sembilan, Malaysia.2600-7320	Impact factor: NA	
13.	Study of toxicity of <i>Bacillus thuringiensis</i> Cry protein isolated from 1953 strain of <i>Bacillus thuringiensis</i> on the rat hepatic and renal tissues in a 90 Day feed design. Dr. T. Tulsian (Samanta) & Arpita Rani Khamrai	International Journal of Current Research, 11(09), 6867-6873, 2019	International Journal of Current Research, 0975-833X, https://doi.org/10.24941/ijcr.36446.09.2019	Peer reviewed Impact factor: 8.132	00
14.	Isolation, identification, and characterization of gut microflora of <i>Perionyx excavates</i> collected from Midnapore, West Bengal. Dr. T. Tulsian (Samanta) & Ankita Das	Journal of Basic Microbiology, 56(3), 286-293, 2016	WILEY, 1521-4028 https://doi.org/10.1002/jo.bm.201500480	Peer reviewed Impact factor: NA	08
15.	Medicinal Plants on Acne inducing bacteria. Dr. T. Tulsian (Samanta) & Ankita Das	International Journal of Phytomedicine, 7(3), 310-315, 2015	Advanced Research Journals, 0975-0185	Peer reviewed Impact factor: NA	00
16.	Morphological and Biochemical Characterisation of four new <i>Bacillus thuringiensis</i> strains. Dr. T. Tulsian (Samanta), Ankita Das & Prof. Anilava Kaviraj	International Journal of Current Research, 7(6), 137-143, 2015	International Journal of Current Research, 0975-833X	Peer reviewed Impact factor: 8.132	03
17.	Isolation and Characterization of <i>Xanthomonas oryzae</i> isolates from different regions of Midnapore	International Journal Of Phytomedicine, 6(1), 29-42, 2014.	Advanced Research Journals, 0975-0185	Peer reviewed Impact factor: NA	07

	district of West Bengal and their Eco friendly management by some medicinal plant extracts. Dr. T. Tulsian (Samanta) & Ankita Das				
18.	Effect of extract of <i>Withania Somnifera</i> on dehydration-induced oxidative stress-related uremia in male rats. Dr. T. Tulsian (Samanta), K. Das, P Samanta & D K Nandi	Saudi Journal of Kidney diseases and transplantation, 21, Issue: 1, 75-80, 2010	Medknow Publications & Media Pvt Ltd, 2320-3838	Peer reviewed Impact factor: 0.5	31
19.	New Experimental design: Dehydration Induced uremia and Oxidative stress on Male Albino rats, Innovative Approach to Researchers For further Study on Kidney disease. Dr. T. Tulsian (Samanta), K Das & D K Nandi	Pharmacologyonline, 3, 882-892, 2009	SILAE, 1827-8620.	Peer reviewed Impact factor: 0.312	04

12. Books/Reports/Chapters/General article set:

S. No	Title	Author's Name	Publisher	Year of Publication
1	Biological Impact of Feeding Rats with CRY protein Based Diet	Dr. Tanushree Tulsian (Samanta)	Nova	2020

13. Any other Information (maximum 500 words)

Training Courses/Workshop/Refresher Courses

Sl. No.	Course	Topic	Institute/University	Period
1	Short Term Course	Bioinformatics in Genomic and Proteomics	Department of Biotechnology, Indian Institute of Technology, Kharagpur	21 st September- 22 nd September, 2007

2	Quality Improvement Programme, (Short Term Course) sponsored by AICTE	Entrepreneurship Development for Faculties	Indian Institute of Technology, Kharagpur	26 th March to 11 th April 2009
3	Short Term Visiting Professor	-----	Advanced Laboratory for Plant Genetic Engineering, Indian Institute of Technology, Kharagpur	February and March 2009
4	Refresher Course	Application of Bioinformatics on Modern Biology	Dept. of Microbiology, Vidyasagar University	8 th to 31 st March, 2010
5	Orientation Programme (NO-85)	-----	Academic Staff College, University of Calcutta	July 05-July 31, 2010
6	Sensitivity/Awareness/Motivation (SAM) workshop	-----	Raja N.L. Khan Women's College, Midnapore	16 th July-20 th July 2012
7	Orientation Course	Training Orientation and Research Centre	Ramkrishna Mission Ashram, Narendrapur, Kolkata	06 th Nov, 2013 to 12 th Nov, 2013
8	Winter School	Geospatial technologies	Department of Zoology, Vidyasagar University	16 th November to 6 th December, 2016
9	Short Term Course/Refresher Course	Application of Metagenomics and Proteomic Approaches in the Crossroads of Biological Science	Department of Microbiology, Vidyasagar University	25 th October to 18 th November, 2017

14. Peer Reviewed Conference Proceedings/presentations

Sl.	Name of the (Seminar/Conference/Workshop)	Participated/Presented Paper/Session Chaired	Organizer, Venue and Year
1	Perspectives of Human Health, Microbial Biotechnology & Innovation	A Study of the Biodiversity of Gut Microflora of <i>Eisenia fetida</i> in Response to contamination by pesticides and metals.	Department of Human Physiology with Community Health & Department of Microbiology (2018)
2	Trends of Physiological Researches from Laboratory to Community	Effect of Metal Zinc on the Population of the Gut Micro flora of <i>Perionyx excavatus</i> <i>Exposed to Zinc Metal</i> Polluted Soil.	Department of Human Physiology with Community Health. Vidyasagar University (2016)
3	UGC sponsored National Seminar on “Current trends of Research in Human Physiology and Community Health”	Study on Isolation and Characterization of gut microflora of <i>Perionyx excavatus</i> .	Department of Human Physiology with Community Health. Vidyasagar University (2015)
4	International Conference on Environment and its impact on Society	Ecofriendly Management of <i>Xanthomonas oryzae</i> . International Conference on Environment and its impact on Society. Vol 1: 58-70	JD Birla Institute, Kolkata. (2013)
5	Indian Science Congress 100th year celebration New Biology (Including Biochemistry, Biophysics & Molecular Biology and Biotechnology)	CLC promoter may be the answer for Bt Cotton.	University of Kolkata (2013)
6	International Conference on Frontiers in Biological Researches	Molecular Characterization of <i>Bacillus thuringiensis</i> strains 1953 and 6941.	Department of Human Physiology with Community Health. Vidyasagar University, Midnapore, West Bengal, India. (2012)
7	International Seminar on “Modern trends in Biological Sciences”	Comparison of anti-microbial activities of Some common medicinal plants on acne inducing bacteria.	P.G. Dept. of Zoology, Raja N.L. Khan Women’s College, Midnapore. (2012)
8	International Conference on “Integrative Physiology: Modern Perspective” & Platinum Jubilee Celebration of the Physiological Society of India	Presented Paper	Science City Convention Centre, Kolkata, India.
9	National Seminar on Perspectives of Human Health, Microbial Biotechnology & Innovation	Study of a Few available Bt Crystal Proteins-The Insecticidal Properties and the Adverse effects on Mammalian Tissues. (Presented by the Co Author)	Department of Human Physiology with Community Health & Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India.
10	National Seminar on Perspectives of Human Health, Microbial Biotechnology & Innovation	A study of the Biodiversity of Gut Microbiota of <i>Eisenia fetida</i> in response to Contamination by Pesticides and Metals.	Department of Human Physiology with Community Health & Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India.

15. Seminars/Conferences/Webinars/Workshops Organized

Title	Year	Convener/Organizing Secretary/ Treasurer/Member	Organizer	Organized at
Science Camp	2012	Faculty Mentor & Member	DST INSPIRE	Raja N.L. Khan Women's College, Midnapore.
Science Camp	2015	Faculty Mentor & Member	DST INSPIRE	Raja N.L. Khan Women's College, Midnapore.
Science Camp	2017	Joint Coordinator & Faculty Mentor	DST INSPIRE	Raja N.L. Khan Women's College, Midnapore.
Science Camp	2019	Joint Coordinator & Faculty Mentor	State DST	Raja N.L. Khan Women's College, Midnapore.

16. M.Phil /PhD Thesis Guidance

Name of The Scholar	Degree	Broad Area	Co-Supervisor	Status: Ongoing /Submitted /Awarded	Year if awarded
Ankita Das	PhD	Evaluation of Insecticidal properties of Crystal proteins from Some new strains of <i>Bacillus thuringiensis</i>	Prof. Anilava Kaviraj, Department Of Zoology, Kalyani University	Awarded	2018
Arpita Rani Khamrai	PhD	Effect of cry proteins Isolated from <i>Bacillus Thuringiensis</i> on male Albino rats.	---	Awarded	2026
Suman Kalyan Khanra	PhD	A study of the role of Climatic Oscillation on Some Stress Induced Cellular Marker in <i>Bellamyia bengalensis</i> and their Relation with Its Gut Microbes.	---	Ongoing	---
Sagarika Mukhopadhyay	PhD	EFFECT OF HYDROXYCHLOROQUINE AND AZITHROMYCIN ON LIVER, KIDNEY, TESTIS AND GUT MICROBIOTA AND ITS MANAGEMENT BY OATS AND FIGS ON MALE ALBINO RATS	---	Ongoing	---
Anup Jana	PhD	Transformation of Solid Waste Dumping Areas of Midnapore Town to Bioreactors for the generation of Biofertilizers	---	Ongoing	---

17. Invited Lectures

Title	Organized By	Venue	Year
	Physiocon	Vidyasagar University	
Covid19 versus Immune System	National Webinar	P.K. College, Contai ,Purba Medinipur	2020
A toxicity study of Blood parameters in male albino rats fed with dietary Cry protein from <i>Bacillus thuringiensis</i> (1953)	Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences	Department of Human Physiology, Vidyasagar University	21 st -22 nd January , 2020
Study of toxicity of Bt CRY protein isolated from 1953 strain of <i>Bacillus thuringiensis</i> on the rat Hepatic and Renal tissues in a 90day feed design	PHYSICON-2019 Recent Trends in Physiology and Healthcare Research for Salubrious Society	Department of Physiology, Bankura Christian College	15 th to 17 th November 2019
“Introverts and Extroverts”	UGC	Narajole Raj College	2017
“Environmental Health”	UGC sponsored National seminar	Garhbeta College	2014
“Women Empowerment”	Vidyasagar Institute of Health	Vidyasagar Institute of Health	2014
Knowledge, Attitude& practice(KAP) on Food hygiene in rural community of West Bengal “Transgenic crop”	UGC sponsored National Seminar	Debra Thana Sahid Kshudiram Smriti Mahavidyalaya	2015

18. Sponsored Projects

Project Title	Funding Agency	Amount In Rs	Duration (From— To—)	Status (Ongoing/ Complete)
Characterization of gut microflora of <i>Perionyx sp.</i> And <i>Eisenia sp.</i> after Exposure to pesticides and metals.	(UGC Minor Project) UGC	Rs. 3, 45,000/-	2years (March2014- March2016)	Completed
Evaluation of insecticidal properties of crystal proteins from some new strains of <i>Bacillus thuringiensis</i> .	(DST INSPIRE) DST	Rs.11 lakhs (app.)	June, 2013(Sanction Date), 5 years (PhD awarded in 2018 under Kalyani University)	Completed

19. Administrative Duties Performed

- ✓ Coordinator of NISP (Since 2020)
- ✓ Deputy Centre Superintendent NEET 2020
- ✓ Member of the BOD of the Staff Cooperative (Since 2018)
- ✓ Member of IQAC (Since 2017)
- ✓ Secretary, Teachers' Council, Raja, N. L. Khan Women's College (2017 to 2019)
- ✓ Co-ordinator of NSS, Raja N.L. Khan Women's College (July 2016 to 2018)
- ✓ Program officer of NSS (Unit I/II/III), Raja N. L. Khan Women's College. (July, 2013 to 2016)
- ✓ Secretary, Staff Cooperative Credit Society, Raja N. L. Khan Women's College (2013 to 2018)
- ✓ Member of Anti-ragging Squad of Raja N. L. Khan Women's College. (Since 2013)
- ✓ Co-ordinator, Higher Education for Persons with Special Need (HEPSN), (Since 1st Sept., 2011)
- ✓ Co-ordinator, Day Care Centre, (Since 12th Jan., 2011)
- ✓ Co-ordinator, E Cell, (Since 5th April, 2011)

20. Membership of Academic Societies

- ✓ Life Member of Physiological Society of India
- ✓ Life Member of Indian Science Congress
- ✓ EC Member of Midnapore College Alumni Association
- ✓ EC Member of Midnapore Book Fair and Maitree Utsav