

## Curriculum Vitae

**DR. PARUL THAPAR**

**Ph.D. in DAIRY SCIENCE AND TECHNOLOGY (sp. Dairy Microbiology)**

**M.Sc. MICROBIAL & FOOD TECHNOLOGY (sp. Food Microbiology)**

**PG.D. In APPLIED NUTRITION AND DIETETICS**



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Google Scholar, H-index- 4

Research Gate, H-index- 3

ScopusID: 57194507904, H-index-2

Web of Science ResearcherID: AAB-7016-2020, H-index-1

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### EDUCATIONAL CREDENTIALS

S.NO.	Universities attended	Degrees/ Diploma earned	Dates received
1.	Symbiosis School of Online and Digital Learning, Symbiosis Deemed University, Pune, from 2022-2023	P.G. Diploma in Applied Nutrition and Dietetics	30.04.2023
2.	Indira Gandhi National Open University, New Delhi, India from 2013- 2019 Project work at- ICAR- National Dairy Research Institute (NDRI), Karnal	Doctor of Philosophy in Dairy Science and Technology (sp. Dairy Microbiology)	17.07.2020
3.	Punjabi University, Patiala, India from 2010-2012	Master of Science in Microbial and Food Technology (sp. Food Microbiology)	01.10.2012
4.	Kurukshetra University, Kurukshetra, India from 2007-2010	Bachelor of Science in Biotechnology (sp. Microbiology)	31.12.2010
5.	Chaman Vatika Residential Public School, Ambala, India	Senior Secondary certification	31.03.2007
6.	Chaman Vatika Residential Public School, Ambala, India	Matriculation	31.03.2005

### Trainings Undergone

S.No.	Organization Name	Project Name	Time Period
1.	Hash Biotech Farms Pvt. Ltd., Dasuya, Punjab, India	Isolation and characterization of <i>Bacillus</i> spp. from soil	One month (June, 2011-July 2011)
2.	Parasrampur International, Indore, Madhya Pradesh, India	Production of yarn from <i>Bt</i> cotton	One month (May, 2009- June, 2009)
3.	Thapar University, Patiala, Punjab, India	Enzyme immobilization through covalent method	One month (May, 2008- June, 2008)

## Projects Undertaken

### Post-Doc Research Experience:

Gandhi Institute of Technology and Management (GITAM) Deemed University, Hyderabad, India through Seed Grant on-

1. “**Design and Development of Novel Nanoformulation for the prevention of Corona virus infection**” from January 2023 to June 2023.
2. “Minor project on “**Novel synthesis of polylactic acid (biopolymer) from whey**”, April 2023-September 2023.

### Other projects on:

- Ph.D. thesis- “Isolation and Characterization of Bacteriocins Effective against *Streptococcus mutans* (dental caries) and their incorporation in dairy products” at ICAR-National Dairy Research Institute, Karnal from February, 2014- February 2017; Thesis advisors- Dr. R.K. Malik, Dr. M.K. Salooja
- M.Sc. thesis- “Incidence and antibiotic resistance of *Pseudomonas* spp. associated with fresh produce” at Punjabi University, Patiala from January 2012-June 2012; Thesis advisors- Dr. Seema Garcha
- B.Sc. thesis- “Isolation of plasmid from *Escherichia coli* from sewage water” at DAV College, Ambala from January 2010- April 2010; Thesis advisors- Ms. Priyanka Sharma

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## PROFESSIONAL EXPERIENCE

S.NO.	Organizations	Positions Held	Work Profile	From	To
1.	Swami Vivekananda University, Barrackpore (West Bengal), India	Associate Professor- Food and Nutrition	Teaching the concepts of Food Microbiology and Nutrition and related courses to the undergraduate, post-graduate and PhD students; research	02.05.2024	PRESENT
2.	Gandhi Institute of Technology and Management (GITAM) Deemed University, Hyderabad, India	Assistant Professor- Food Science and Technology	Teaching the concepts of Food Microbiology and Nutrition and related courses to the undergraduate students and research	18.10.2021	24.04.2024
3.	CT University, Ludhiana, India	Assistant Professor- Biotechnology	Teaching the concepts of Biotechnology and Microbiology to the undergraduate, post-graduate students and PhD research scholars and research	22.07.2019	31.05.2021
4.	Guru Nanak Institute of Technology, Mullana, India	Assistant Professor- Applied Biology	Teaching the concepts of Biology and Environmental Sciences to the undergraduate students	28.01.2019	19.07.2019
5.	Jai Prakash Narayan Apex Trauma Center- AIIMS, New Delhi, India	Senior Research Fellow	Research- To carry out analysis on antimicrobial resistance to prevent hospital infections	03.05.2018	27.01.2019

## ACADEMICS

- **Courses taught**

Courses taught	Class	Year
Environmental Biotechnology (Theory), Plant Biotechnology (Theory, Practical), Evolutionary Biology (Theory), Microbiology (Theory), Basics of Forensics (Theory) and R-DNA Technology (Theory, Practical); Medical Microbiology (Theory); Biochemical Techniques and Bioinformatics (Theory, Practical); Bioethics and Biosafety (Theory); Technology of spices (Theory, Practical); Functional foods and nutraceuticals (Theory, Practical); Food and Nutrition (Theory, Practical); Food Processing and Preservation Technology (Theory, Practical); Biochemical Techniques (Theory); Food Microbiology (Theory, Practical); Genetic Engineering (Theory); Clinical Nutrition (Practical); Food Chemistry (Theory, Practical) and Food Safety and Hygiene (Theory, Practical); Fermentation Technology (Theory); Clinical Biochemistry (Practical); Technology of animal foods (Theory); Immunology (Theory); Advanced Human Physiology (Theory); Food Safety and Quality control (Theory)	Undergraduates/ B.Sc.	2019-2024
Research methodology (Theory); Therapeutic Nutrition (Theory); Food Preservation and Microbial Technology (Theory)	Masters/ M.Sc.	2019-2024
Advances in applied Biological sciences (Theory)	Ph.D. 1 <sup>st</sup> year	2019-2021
Food safety (course work)	Ph.D. 1 <sup>st</sup> year	2024-2025

- **Thesis Supervision**

Program (UG/M S/PhD/ Intern)	Research Area/ Topic	Academic batch	Status (complete d/submitte d/ ongoing)
PhD	Prevention and treatment of Polycystic Ovary Syndrome (PCOS) using plants mediated bionanocomposite as delivery device	July, 2019	completed
UG	Isolation of DNA from hair	2017-2020	completed
UG	Isolation and Characterization of Salmonella species from spoiled food	2017-2020	completed
UG	Designing of Bioinformatic Parameters for treating Poly Cystic Ovary Syndrome (PCOS)	2017-2020	completed
UG	Isolation of Lactic Acid Bacteria from Food Samples and Determination of their Antimicrobial Property and Antibiotic Susceptibility	2020-2023	completed
UG	Isolation of Coliforms from soil and Determination of their Antibiotic Susceptibility	2020-2023	completed
UG	Development of Probiotic Drink	2020-2023	completed

## ACADEMIC ACHIEVEMENTS

### PhD Co-Supervisor

- Co-supervised a PhD student **Virpal Kaur**, registration no. 7911941, Department of Plant Physiology, CT University, Ludhiana (Punjab) since July 2019- April 2024.  
Thesis title- Prevention and Treatment of Polycystic Ovary Syndrome (PCOS) using plants mediated biocomposite as a delivery device.

### PhD Synopsis Evaluation Committee

- Selected as **member** of PhD Synopsis Evaluation Committee, Department of Plant Physiology, CT University, Ludhiana (Punjab) for online synopsis evaluation of PhD student **Virpal Kaur**, registration no. 7911941, on 05.10.2021.

### External Examiner

- Conducted **final viva-voce examination** in Basics of Biochemistry and Applied Bacteriology of B.Sc MLS 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> semester students, Faculty of Medical Lab Sciences, Punjab College of Technical Education, Baddowal (Ludhiana), affiliated to I.K.G. Punjab Technical University, Kapurthala, Punjab as external examiner (vide No. PCTE/LDH/12/14758), dated 18.01.2022 on 22.01.2022. No. of students- 50
- Conducted **final viva-voce examination** in Biochemistry and Microbiology of B.Sc. Biotechnology 3<sup>rd</sup> semester students, Department of Biotechnology, CT Group of Institutions, Shahpur (Jalandhar) affiliated to Punjab Technical University, Kapurthala, Punjab as external examiner on 21.12.2019. No. of students- 60
- Conducted **final viva-voce examination** in Environmental Sciences of BBA, Hotel management and B.Tech 6<sup>th</sup> semester students, Kingston College (MAKAUT), West Bengal on 05.06.2024. No. of students- 120

### External Question Paper setter

- Selected as external paper- setter for setting a Question paper for Final year End Semester Examination at GNA University, Phagwara, Punjab. Course code: **MLT401**, Course name: **Clinical Biochemistry**, May, 2022.
- Selected as external paper- setter for setting a Question paper for Second year End Semester Examination at Malla Reddy University, Hyderabad. Course code: **MR21-2FSQ212**, Course name: **Processing and Technology of Fats and Oils**, August, 2023.

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### ➤ RESEARCH

**RESEARCH INTERESTS:** Food Microbiology, Gut Microbiome, Fermentation Technology, Food Safety and Quality Control, Bioinformatics

### • PATENTS PUBLISHED

S. No.	TITLE	APPLICATION No.	DATE OF PUBLICATION	INVENTORS
1.	Anti-viral Nanoformulation and method for synthesis thereof	202341009538	16/08/2024	<b>Dr Parul Thapar</b> , Dr G. Niharika, Dr K. Uma Maheswari
2.	Tulsi-Extract based Whey Drink Composition	202431062953	30/08/2024	Dr Moumita Dev, <b>Dr. Parul Thapar</b> , Dr. Saheli Ghoshal, Dr. Satarupa Ghosh, Juhi Das, Shreya Ash, Dr. Moumita Das, Falguni Baidya and Subarna Biswas

• **PATENTS FILED**

S. No.	TITLE	APPLICATION No.	DATE OF FILING	INVENTORS
1.	Method For Synthesis of Polylactic Acid From Whey	202341068039	10/10/2023	<b>Dr. Parul Thapar</b> , Dr. G. Niharika, Dr. Ajay Kumar Swarnakar, Dr. Moumita Dev

• **PROJECTS (GRANTS)**

S.No.	TITLE OF PROJECT	GRANT SANCTIONED (Rs.)	PROJECT-INVESTIGATOR/ CO-INVESTIGATOR	SANCTIONING AUTHORITY
1.	Design and Development of Novel Nanoformulation for the prevention of Corona virus infection	Seed grant amount of Rs. 1,60,000/-	<b>Dr Parul Thapar (P.I.)</b> Dr G. Niharika (Co-PI)	GITAM Deemed to be University, Visakhapatnam

• **PUBLICATIONS**

<b>Book Publication</b>						
S.No.	Author	Title, Vol, Pg.no.	Journal/ Publisher	Year	I.F./ ISBN No./ ISSN No.	Journal Indexing
1.	Thapar P, Dev M, Gatadi S	Spices: Characterization, Processing, and Preservation	Taylor & Francis, CRC Press, UK	Accepted for publication	-	-
2.	Thapar P	Objectives on Food Microbiology and Gut Microbiome	Brillion Publisher, New Delhi	In printing (2025)	9788197331527	-
3.	Thapar P, Salooja MK	Viral Infections: prevention through Superfoods, pp. 1-80	Notion Press Publisher, Tamil Nadu	2021	978-1-68586-946-6	-
<b>Research Paper</b>						
1.	Thapar P, Dev M, Gemedar N, Kumar JA	Novel Synthesis of Polylactic Acid from Whey and its Application as Green Biofilms (laminates)	Letters of Applied NanoBioscience Journal	Accepted for publication	2069-5837	Scopus
2.	Thapar P, Kaur V	Application of Bioinformatics Tools in Validation of an <i>In-vivo</i> Research on Plant Extracts, 4(3): 1345-1348	International Journal of Advanced Multidisciplinary Research and Studies	2024	583-049X	Peer-reviewed
3.	Kaur V., Thapar P., Suruchi	Extraction and Identification of Active Components from Herbs for their	Research and Reviews: Journal of	2022	6.488 2348-9553	Peer-reviewed

		Characterization towards Prevention of Poly-cystic Ovary Syndrome, 11(3): 34-40	Herbal Science			
4.	Solanki S, Thapar P, Pandey KF	Isolation of Extracts from Spices and Determination of their Antimicrobial Effects against <i>Saccharomyces cerevisiae</i> , 6(7): 103-106	Acta Scientific Nutritional Health	2022	1.316; 2582-1423	Peer-reviewed
5.	Thapar P, Malik RK, Salooja MK	Application of bacteriocins of <i>Lactobacillus brevis</i> as biomedicine, 16(5): 109-117	Research Journal of Biotechnology	2021	0.233; 0973 6263, E-2278 4535	Scopus Indexed
6.	Riya, Thapar P	Bioinformatics Tools: Alternative Approach for Poly Cystic Ovary Syndrome (PCOS) Detection, 5(9): 182-187	Haya: The Saudi Journal of Life Sciences	2020	1.025; 2415-6221	Peer-reviewed
7.	Thapar P, Malik RK, Salooja MK	Bacteriocin Induced Milk as a Vehicle against Dental Cavities, 7(2): 69-76	International Journal of Scientific Research in Biological Sciences	2020	1.013; 2347-7520	Peer-reviewed and UGC-Core
8.	Thapar P, Malik RK & Salooja MK	Isolation and characterization of <i>Streptococcus mutans</i> and <i>Streptococcus sobrinus</i> from dental caries to determine its inhibition by bacteriocins of lactic acid bacteria, 5(9): 377-380	International Journal of Scientific Research & Development	2017	4.396; 2321-0613	Peer-reviewed
9.	Thapar P, Malik RK & Salooja MK	Production and Purification of bacteriocins of Lactic acid bacteria and their applications in prevention of dental caries, 6(10):620-623	International Journal of Scientific Research	2017	5.711; 2277-8179	Peer-reviewed UGC-Core
10.	Thapar P & Garcha S	Incidence and Characterization of <i>Pseudomonas</i> spp. isolated from fresh produce, 55(6):372-376	Indian Journal of Experimental Biology	2017	0.934; 0975-1009	Scopus Indexed
<b>Book Chapter Publications</b>						
1.	Biswas S, Thapar P	Incidence of <i>Salmonella Typhimurium</i> , a Multi-Drug Resistant Pathogen Found In Spoiled Foods, pp. 61-68	Ed- Manisha Maity, Souvik Tiwari. Recent Trends and Innovations in Food Science, Food Technology & Nutrition <b>AkiNik</b>	2024	ISBN: 978-93-6135-297-3  DOI: <a href="https://doi.org/10.22271/ed.book.30">https://doi.org/10.22271/ed.book.30</a>	Peer-reviewed

			<b>Publications, New Delhi</b>		25	
2.	Thapar P	Gastrointestinal disorders, pp.	Ed- Manisha Maity, Souvik Tiwari. Therapeutic Nutrition <b>Integrated Publications, New Delhi</b>	2024	ISBN No. 978-93-5834-142-3  <i>https://doi.org/10.62778/int.book.438</i>	Peer-reviewed
3.	Thapar P, G. Niharika	Whey: An Emerging Solution for a Sustainable Environment, pp. 1-12	Emerging Technology and Management Trends in Environment and Sustainability, <b>Taylor and Francis Publisher, London</b>	2023	e-book ISBN No. 9781003356233  DOI: 10.4324/9781003356233	Peer-reviewed
4.	Thapar P, Salooja MK	Bacteriocins: Applications in Food Preservation and Therapeutics, pp. 1-13	Ed- Laranjo, M. Lactobacillus- A Multifunctional Genus, <b>Intech Open Publications, London</b>	2022	DOI- 10.5772/intechopen.106871  978-1-80355-445-7	Peer-reviewed  Web of Science Indexed
5.	Dev M, Thapar P,	A Review on Analytical Techniques in Understanding the Bioactivity of Essential Oils (Accepted for publication)	Bioactive Ingredients for Healthcare Industry Ed. Lahiri, <b>Springer</b>	Accepted for publication	978-981-96-3662-4_618307_1	Scopus
<b>Review Paper Publications</b>						
1.	Pattanayak N, Thapar P	Gut microbiota: Factors affecting gut health, 6(1): 22-24 DOI: <a href="https://doi.org/10.22271/foodsci.2025.v6.i1a.179">10.22271/foodsci.2025.v6.i1a.179</a>	Journal of Current Research in Food Science	2025	2709-9377	Peer-reviewed
2.	Md. S Alieozaman, Thapar P	Therapeutics: A novel approach towards bacteriocin application, 7(1): 06-10 DOI: <a href="https://doi.org/10.33545/27068919.2025.v7.i1a.1324">https://doi.org/10.33545/27068919.2025.v7.i1a.1324</a>	International Journal of Advanced Academic Studies	2025	2706-8927	Peer-reviewed
3.	Adhikari P, Thapar	A review on micro and nano plastics: A rising concern as food contaminants,	International Journal of	2025	2394-7500	Peer-reviewed

	P	11(1): 134-137 DOI: <a href="https://doi.org/10.22271/allresearch.2025.v11.i1b.12270">https://doi.org/10.22271/allresearch.2025.v11.i1b.12270</a>	Applied Research			
4.	Thapar P, Solanki S	<i>Candida auris</i> - An Emerging Superbug, 11(3): 1–6	Research and Reviews: A Journal of Life Sciences	2021	2249-8656	Peer-reviewed
5.	Thapar P	Some recent facts about SARS CoV-2, 3(5):3-5	<i>Acta Scientific Microbiology</i>	2020	1.125; 2581-3226	Peer-reviewed
6.	Thapar P	Human breast milk banks- a review, 3(2):1-2	<i>Acta Scientific Microbiology</i>	2020	1.125; 2581-3226	Peer-reviewed
7.	Thapar P	The Chemistry in Re-Frying of Foods, 3(6):111-113	<i>Acta Scientific Pharmaceutical Sciences</i>	2019	0.76; 2581-5423	Peer-reviewed
8.	Thapar P	Leprosy- control through Superfoods, 2(2):43-45	<i>Acta Scientific Microbiology</i>	2019	1.125; 2581-3226	Peer-reviewed
9.	Thapar P	Probiotics- Applications in Everyday life, 2(1):10-12	<i>Acta Scientific Microbiology</i>	2019	1.125; 2581-3226	Peer-reviewed
10	Thapar P	Bioinformatics- Tools and Applications. pg. 5044-5047	Conference proceedings, IndiaCom, IEEE Explorer	2018	-	Peer-reviewed
11	Thapar P, Malik RK & Salooja MK	Application of Biosensors for detection of contaminants in milk and milk products, 1(12):17-24	<i>Acta Scientific Microbiology</i>	2018	1.125; 2581-3226	Peer-reviewed
<b>General articles</b>						
1.	Thapar P	Can Millets help in fighting malnutrition and food security in India, pp. 44-45  URL- <a href="https://www.foodinfotech.com/can-millets-help-in-fighting-malnutrition-food-security-in-india/">https://www.foodinfotech.com/can-millets-help-in-fighting-malnutrition-food-security-in-india/</a>	Food Infotech Magazine	April 2023	-	-
2.	Kaur Virpal, Thapar P	Why presence of Natural Herbs in foods can effectively combat microbial infections  URL- <a href="https://www.foodinfotech.com/food-infotech-magazine-april-issue-2023/">https://www.foodinfotech.com/food-infotech-magazine-april-issue-2023/</a>	Food Infotech Magazine	Jan, 2023	-	-
3.	Thapar P, Riya	Intermediate Bulk Containers, 11(9): 31-32	Food Marketing and Technology Magazine	2020	-	
4.	Thapar P, Riya	Adhesive Packaging, 11(8): 30-31.	Food Marketing and Technology Magazine	2020	-	
5.	Thapar P	Yeasts in Foods- A source of Immunity Enhancer, 11(7):14-18	Food Marketing and Technology Magazine	2020	-	
6.	Thapar P	Nutritious seeds in health and disease prevention, 11(4):28-29	Food Marketing and Technology Magazine	2020	-	



7.	Thapar P	Disease Re-Emergence through Emerging Microbes, 2(4):1	<i>Acta Scientific Microbiology</i>	2019	-	
8.	Thapar P	Health nutrients for Healthy eyes, 52(8):30-32	<i>Science Reporter</i>	2015	0036-8512	

### Administrative activities

S.No.	Administrative activities	Year
1.	Departmental Laboratory coordinator	October, 2024- Present
2.	GITAM School of Science, Nodal-In-Charge for Student Induction Program, 2023	July, 2023- August, 2023
3.	Programme Coordinator (FST)	July 2022- April 2024
4.	Food Science and Technology (FST) Departmental Laboratory Establishment	November 2021- April 2024
5.	Department Examination Coordinator	August 2019- April 2024
6.	Class Coordinator [B.Sc. (H) FST 2 <sup>nd</sup> year]	November 2021- June 2022
7.	Library-in-charge (FST)	November 2021- June 2022
8.	NAAC Coordinator	August 2019- May 2021
9.	Member of PME Cell	August 2019- May 2021

### COURSES/ WORKSHOPS/ FDP'S

S.No.	COURSES/ WOKSHOPS/FDP'S	PLACE	DATE
1.	Participated in a Workshop on "Tobacco- A threat to development"	Maulana Azad Medical College, New Delhi	29 May, 2017
2.	Training on "Introduction to Research Methodology for Public Health"	Maulana Azad Medical College, New Delhi	12-13 October, 2017
3.	National Workshop on Science, Technology & Innovation Policy: Optimising Communication & Information Research	CSIR-NISCAIR, New Delhi	23-25 January, 2018
4.	AICTE 7 days residential Introductory course on "Human Values"	Kurukshetra University, Kurukshetra	5-11 June, 2019
5.	Dissemination Workshop for the research project on "Efficiency of Child-to-Child Approach in preventing Childhood Injuries and their consequences"	Maulana Azad Medical College, New Delhi	25 <sup>th</sup> July, 2019
6.	UGC- HRDC one week online workshop on "E-content and Website Development"	Online	21-27 May, 2020
7.	National Level five days online Faculty Development Programme (FDP) on "Moodle Learning Management System", organized by CT University, Ludhiana.	Online	15-19 June, 2020
8.	AICTE workshop on "Virtual labs: Effective Tool for Teaching and learning" organized by NITK Surathkal	Online	10 <sup>th</sup> July, 2020
9.	Workshop on "Molecular Docking" organized by QStatix	Online	27 <sup>th</sup> -28 <sup>th</sup> July, 2020
10.	MHRD Innovation Cell- Online "KAPILA: Kalam Programme for IP Literacy and Awareness"	Online	16-23 <sup>rd</sup> October, 2020
11.	Panelist in an Orientation Session on "Problem solving with Innovators"	CT University, Ludhiana, Punjab	23 December, 2020
12.	AICTE Training And Learning (ATAL) Academy and MDU, Rohtak- Online Elementary FDP on "Life Skills for	Online	7-11 June, 2021

	Blissful Life"		
13.	Five Days National Workshop on “Radiochemistry and Application of Radioisotopes”	DAE- IANCAS and GITAM Deemed University, Hyderabad, Telangana	4-8 April, 2022
14.	Participated in “Faculty Entrepreneurship Workshop Pitching Competition”	Venture Development Centre, GITAM, Hyderabad	10, June, 2022
15.	Participated in “GITAM Innovate: Lab 2 Market Workshop”	Venture Development Centre, GITAM, Hyderabad	12-13 June, 2023
16.	Completed 5week Coursera course on “Excellence in Online Teaching”	John Hopkins University	28 June, 2023
17.	Participated in Six days National level Faculty Development Online Program on “Writing Successful Research Papers and Project Proposals for Funding Agencies”	Malla Reddy University, Hyderabad	23-29 June, 2023
18.	Participated in 10 credits International Advanced Faculty Development Program on Research Designs for Qualitative, Quantitative and Mixed Methods of Research	Eudoxia Research Centre (U.S.A.), India	03-12 October, 2023
19.	Participated in Five days FDP on Innovation, Entrepreneurship and IPR	Swami Vivekananda University, Barrackpore and Adamas University, Barasat, West Bengal	6-15 May, 2024
20.	Participated in one-day workshop on "Sustainable Packaging Solutions for Food and Agriculture Applications: Understanding Stakeholder Perspectives”	Indian Institute of Technology (IIT), Kharagpur, West Bengal	2 <sup>nd</sup> August, 2024
21.	Completed International Engineering Educator Certification Program	IUCEE and International Society for Engineering Education (IGIP), Austria.	January-December 2024

## INVITED TALKS

S.No.	INVITED TALKS	PLACE	DATE
1.	Panelist in an E-discussion on “Opportunities for India in wake of COVID-19” organized by CT University, Ludhiana	Online	15 June, 2020
2.	Key- note speaker in a FDP on “Research Fundings by various Government Departments” organized by PME Cell, CT University, Ludhiana, 12 <sup>th</sup> October, 2020. No. of participants- 110	Online	12 <sup>th</sup> October, 2020
3.	Panelist in an Orientation Session on “Problem solving with Innovators”	CT University, Ludhiana, Punjab	23 December, 2020
4.	Resource person in an Online Lecture on “Super Foods- A Natural and Safe Approach Towards Improved Health” on World Food Safety Day, organized by Indira Gandhi National Open University, Bengaluru. No. of participants- 200	Online	7 June, 2021
5.	Invited speaker in a Workshop on “Global Food Safety and Career Prospects”. Topic- Food borne illness and Contaminants, organized by Biotecnika. No. of participants- 50	Online	24 February, 2024
6.	Invited speaker in Alumni lecture series session on “Impact of foods on gut microbiome with Single Nucleotide Polymorphism”, organized by Symbiosis School for online and Digital Learning, Symbiosis University, Pune. No. of participants- 60	Online	29 February, 2024
7.	Invited speaker in 2 days Workshop on “Whole Genome and RNA	Online	26 May, 2024

	sequencing Experiment Designing-From basics to advanced”. Topic-Importance of Gut Microbial Genetic Polymorphism through RNA Sequencing, organized by Biotecnika. No. of participants- 100		
8.	Invited speaker in Alumni Conclave on “Transdisciplinary Approach in Defining Nutrient and Dietary Requirements in Indian Context” organized by Symbiosis School for online and Digital Learning, Symbiosis University, Pune. No. of participants- 110	Online	23 January, 2015

### SEMINARS, WEBINARS AND CONFERENCES

S.No.	TITLE OF SEMINARS/ WEBINARS/ CONFERENCES	PLACE	DATE
1.	Attended National seminar on “Genetically Modified Foods”	Punjabi University, Patiala	19-20 January, 2012
2.	<b>Organizer</b> in a Panel discussion on “Scientific Temper: A pre-requisite for knowledge based society”	Vigyan Bhawan, New Delhi	10 January, 2016
3.	Presented a paper in National conference on “Advances in Food Science and Technology”	Shree Rajguru College of Applied Sciences for Women, New Delhi	16-17 March, 2016
4.	Participated as a member in Half- Day Workshop on “Waste: From Liability to Viability”	CSIR- NISCAIR, New Delhi	7 June, 2016
5.	Presented a paper in an International Conference on “Emerging Trends in Biological, Physical and Chemical Sciences (ICET-2016)”	Kathmandu (Nepal)	9-11 December, 2016
6.	Presented a paper in an International Conference on “Emerging Trends in Allied and Applied Biotechnology (ICAABT-2017)”	Orchha (M.P.)	1-2 April, 2017
7.	Presented a paper in an International Conference on “Biotechnology and Healthcare”	Professor Jayashankar Telangana State Agriculture University (PJTSAU) Hyderabad (Telangana)	26-27 October, 2017
8.	Presented a poster in Indian Science Communication Congress (ISCC-2017)	New Delhi	21-22 December, 2017
9.	Presented a paper and participated in “Nature in Pixels” in an International Symposium on “Biodiversity and Biobanking (BIODIVERSE-2018)”	IIT, Guwahati (Assam)	27-29 January, 2018.
10.	Presented a paper on “Bioinformatics- Tools and Applications” in INDIACOM-2018	New Delhi	14-16 March, 2018
11.	Presented a paper in National Conference on “Recent Advances in Applied Biological Sciences”	North Eastern Hill University (NEHU), Shillong (Meghalaya)	4-5 May, 2018
12.	Presented a poster in International Symposium on “Microbiological Food Safety: Sampling and Testing in Food Safety Management”	New Delhi	2018
13.	Presented a paper in International Conference on “Multi-disciplinary Academic Research”	CT University, Ludhiana, Punjab	6-7 September, 2019
14.	Presented a paper in International Conference on “Current Trends in Engineering Sciences and Management”	Singapore	6 <sup>th</sup> January, 2020
15.	Presented a poster in “Indian Convention of Food Scientists and Technologists” (ICFOST)	Tezpur University (Assam)	February, 30 Jan- 1 Feb, 2020
16.	Webinar on “Unlock your “self”- strengthen your immunity and be stress free” organized by PME Cell, CT University, Ludhiana	Online	23 May, 2020
17.	Webinar on “Microbiologist in Everybody” organized	Online	3 June, 2020

	by Biocon Academy and Biotechnika Info Labs Pvt Ltd		
18.	Webinar on “COVID 19: Search for Answers and Opportunities in Clinical Research” organized by Anuradha College of Pharmacy, Chikhli	Online	19 June, 2020
19.	Presented a poster in National Level e-Poster Fiesta Contest-2020 on “Covid-19” organized by Anuradha College of Pharmacy, Chikhli	Online	19 June, 2020
20.	Presented a poster in the “International Virtual Conference on Natural Products and Synthetic Biology” (ICNSB - 2020) organized by Vellore Institute of Technology (VIT), Tamil Nadu	Online	4-5 July, 2020
21.	“One Day International Webinar on Green Marketing” organized by Aditanar college of Arts and science, Virapandianpatnam	Online	4th July 2020
22.	National Webinar on “Start-up opportunities in Biotechnology sector towards Atmanirbhar Bharat” organized by Mandsaur University	Online	27 <sup>th</sup> July, 2020.
23.	National Level Webinar on “Autonomy in Education” organized by CT Group of Education, Shahpur, Jalandhar	Online	16 <sup>th</sup> October, 2020
24.	Moderator in a Webinar on Atma Nirbhar Bharat: Make in India for the World	CT University, Ludhiana	29 December, 2020
25.	Moderator in an Interactive Session on ‘Atma Nirbhar Bharat: Successful start-up Founder	CT University, Ludhiana	15 January, 2021
26.	International Webinar on “Unlocking Innovative Practices Health and Wellness” organized by Department of Physical Education, CT University, Ludhiana	Online	23 January, 2021
27.	Organizing Secretary in One-day Symposium on “Eat Well-Live Well” for National Nutrition Week	Department of Food Science and Technology, School of Science, GITAM, Hyderabad	02 <sup>nd</sup> September, 2022
28.	Coordinator in Organizing the Awareness Programme on “National Diabetics Day”	Department of Food Science and Technology, School of Science, GITAM, Hyderabad	14 <sup>th</sup> November, 2022
29.	Presented a paper on “Whey: An Emerging Solution for a Sustainable Environment” at EMTES-2022	Budge Budge Institute of Technology, Kolkatta, West Bengal	29-30 <sup>th</sup> November, 2022
30.	Co-Convener in Organizing the Launch of “International Millets Year-2023”	Department of Food Science and Technology, School of Science, GITAM, Hyderabad	25 <sup>th</sup> January, 2023
31.	Coordinator in Organizing the Launch of first edition of Food Technology e-Magazine	Department of Food Science and Technology, School of Science, GITAM, Hyderabad	28 <sup>th</sup> February, 2023
32.	Participated as Delegate in SYMHEALTH-2023- National Conference on Stakeholder engagement for Integrated Healthcare- Futuristic Approach	Faculty of Medical and Health Sciences, Symbiosis International Deemed University, Pune (Maharashtra)	28 <sup>th</sup> -29 <sup>th</sup> April, 2023
33.	Presented a paper on “Novel Synthesis of Polylactic acid from whey and its application as Green biofilms” at International Conference on Green Chemistry	Department of Chemistry, School of Science, GITAM University,	20 <sup>th</sup> -22 <sup>nd</sup> September, 2023

	Solutions for a Sustainable Future- 2023	Bengaluru	
34.	Participated as Delegate in World Food India at Bharat Mandapam	MOFPI, FSSAI, New Delhi	19 <sup>th</sup> -22 <sup>nd</sup> September, 2024
35.	Participated as Delegate in Pre-conference workshop on Inner Balance: Exploring the Gut Microbiome's Impact on Health and Presented a paper on 56 <sup>th</sup> Annual National Conference on Transdisciplinary Approaches in addressing Nutrition Challenges	Nutrition Society of India and Symbiosis School of Culinary Arts and Nutritional Sciences (SSCANS), Symbiosis International (Deemed) University, Pune	13 <sup>th</sup> -15 <sup>th</sup> November, 2024

#### MEMBERSHIP AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS:

- **Reviewer** in *Journal of Pharmaceutical Research International*, since January, 2022
- **Life Member** of International Institute of Organized Research (I2OR), since December, 2021
- **Council Member** of Women's Chamber of Commerce and Industry- WICCI, Chandigarh, India, since April, 2021
- **Editorial Board Member** for *Journal of Acta Scientific Microbiology* since October, 2018 and *World Journal of Food Science and Technology* from April 06, 2022 to 07 April, 2023.

#### ORGANIZING AND TEAM-LEADING SKILLS

- **Chaired** a Session in 2nd **International Conference** on “Scientific Advances in Life Sciences, Agriculture and Food & Nutrition (ICSA) 2024”, Swami Vivekananda University, Barrackpore (West Bengal) on 20<sup>th</sup> June, 2024.
- **Coordinator** in Organizing Programme on **World Food Day** organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 16<sup>th</sup> October, 2023
- **Coordinator** in Organizing the Launch of first edition of **Food Technology e-Magazine**, organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 28<sup>th</sup> February, 2023.
- **Co-Convener** in Organizing the Launch of “**International Millets Year-2023**”, organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 25<sup>th</sup> January, 2023.
- **Coordinator** in Organizing the Awareness Programme on “**National Diabetics Day**”, organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 14<sup>th</sup> November, 2022.
- **Organizing Secretary** in One-day Symposium on “**Eat Well-Live Well**” for National Nutrition Week, organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 02<sup>nd</sup> September, 2022.
- **Moderator** in an Interactive Session on ‘**Atma Nirbhar Bharat: Successful start-up Founder**’ organized by CT University, Ludhiana on January 15, 2021.
- **Moderator** in a Webinar on ‘**Atma Nirbhar Bharat: Make in India for the World**’ organized by CT University, Ludhiana on December 29, 2020.
- **Moderator** at International Conference on “**Biotechnology and Healthcare**” at Hyderabad (Telangana), India, 2017.
- **Member** of **Organizing Committee** for Half-day Workshop on “**Waste: From Liability to Viability**” at CSIR- NISCAIR, India, 2016.
- **Organizer** in a **Panel discussion** on “**Scientific Temper: A pre-requisite for knowledge based society**” at VigyanBhawan, India, 2016.
- Elected as **Class-Representative** at Punjabi University, Patiala, India for the year 2011-2012.

## PROFESSIONAL HONORS, AWARDS AND FELLOWSHIPS

S.No.	Award/ Honors/ Fellowships	Awarded By	Year
1.	First position in “Faculty Entrepreneurship Workshop Pitching Competition”	Venture Development Centre, Gandhi Institute of Technology and Management Deemed University, Hyderabad	10 <sup>th</sup> June 2022
2.	Teaching Excellence Award	International Institute of Organized Research (I2OR)	24 <sup>th</sup> January 2022
3.	“Special Appreciation Prize of Excellence” National Level E-poster Fiesta Contest-2020	Anuradha College of Pharmacy, Chikhli (Maharashtra)	19 <sup>th</sup> June 2020
4.	“Best Work” appreciation prize for remarkable publication	Acta Scientific International Library	11 <sup>th</sup> October 2019
5.	Young Achievers Award	BRICPL Pvt. Ltd, New Delhi	2 <sup>nd</sup> April 2017
6.	Young Scholar Award	BRICPL Pvt. Ltd, New Delhi	10 <sup>th</sup> December 2016
7.	Diamond Jubilee Award	Council of Scientific and Industrial Research (CSIR)	22 <sup>nd</sup> December 2014

## COMMUNITY SERVICE

- Blood donor
- Donor for UNICEF

## CO-CURRICULAR ACTIVITIES

- 1<sup>st</sup> Prize in **Anti-Ragging Slogan Competition**, Swami Vivekananda University, Barrackpore, 2024
- Gold Medalist in **Women Badminton Competition** in Hostel Premier League, CT University on 1<sup>st</sup> February, 2021
- Coordinated the Event “**CT-Antakshari**” in Hostel Premier League, CT University on 29<sup>th</sup> January, 2021
- Gold medallist in 50 metres and 3-legged race for women in annual athletic meet at University level on 11-12<sup>th</sup> February, 2020.
- Successfully completed **Scuba Dive** at Andaman and Nicobar Islands on 04<sup>th</sup> February, 2019.
- Participated in “**Nature in Pixels**” at BIODIVERSE-2018, Guwahati (Assam), India on 27<sup>th</sup> January, 2018.
- Participated in National level “**Cyclothon**” on 08<sup>th</sup> December, 2018 at New Delhi, India
- First prize in sports activities.
- Prizes in Debate Competition (in Hindi).

### Graduation/ Post-graduation:

- First prize for **State Level Quiz Competition**.
- First prize for **District Level Science Exhibition**.
- Awarded for Best actress in one-act play (**State Level**).

- Awarded for Best athlete.
- Prizes in Painting and Dance Competitions.
- Received certificates for Blood donation (Four times).

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## **PERSONAL DETAILS**

Father's Name : Arun Thapar

Date of Birth/Place : 20, December, 1989/ Kanpur (U.P.), India

Nationality : Indian

Marital Status : Single

Hobbies : Social works, Painting, Dancing, Acting, Sports

Permanent Address : E-56, BawaVihar, Sector-9, Ambala City, Haryana-134003, India-134003