Curriculum Vitae



Dr. Manish Pant
S/O Sh. Dinesh Chandra Pant,
Tara lodge, Chandravati Colony, Choti Mukhani, Haldwani, Nainital, Uttarakhand (263139).
D.O.B.: 22-08-1990
Email: manishpant4444@gmail.com
Contact: 6395226893

Educational details

Sr. No.	Degree Programme	Subject/Specialisation	Board/University	Year	Grade/Percentage
1.	10th	English, Hindi, Maths, Science, Social Studies	C. B.S. E.	2006	79
2.	12th	Physics, Chemistry, Maths, English, Physical Education	C. B. S. E.	2008	80
3.	B. Tech.	Biotechnology	G. B. P. U. A. & T., Pantnagar	2013	68.57
4.	M. Tech.	Food Biotechnology	G. B. P. U. A. & T., Pantnagar	2015	67.65
5.	Ph. D.	Process and Food Engineering	G. B. P. U. A. & T., Pantnagar	2021	75.92

Ph. D. Thesis Title: "AN INNOVATIVE APPROACH FOR THE MICROBIAL PRODUCTION OF PYRUVATE USING AGRO-INDUSTRIAL WASTE"

M. Tech. Thesis Title: "OPTIMIZATION OF PARAMETERS FOR ENZYMATIC SACHHARIFICATION OF RICE STRAW FOR QUALITY IMPROVEMENT OF BIO-OIL"

Fellowship & Awards

2022 Post-Doctoral Fellowship (Innovation Fellow), Empowering Youth for Undertaking Value Added Innovative Translational Research (E-YUVA), BIRAC, DBT, Govt. of India.

2020 Best Oral paper presentation award in National Conference on Technological and Emerging Aspects in Agriculture and Community Science, Society for World Environment and Forests (SWEFT).

2017-2020 Technical Education Quality Improvement Programme (TEQIP) fellowship.

2013-2015 Graduate Aptitude Test in Engineering (GATE) fellowship in **Biotechnology**, Department of Higher Education, Ministry of Education (MoE), Government of India.

Patents

17-10-2020: Application No. 202011045302- A method of microbial production of pyruvate using agricultural and industrial waste and uses thereof. (Published)

Employments

28-04-22 to 20-01-23 Guest Faculty, College of Post Harvest Technology and Food Processing, Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut, Uttar Pradesh.

Courses Taught

Sr. No.	Course Title (code)	Session (Year)	Degree Programme	No. of Students	Institution
1.	Food Packaging Technology and Equipment	2021-22 (3rd)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
2.	Food Plant Sanitation	2021-22 (3rd)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
3.	Food Quality, Safety Standards and Certification	2021-22 (3rd)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
4.	Food Additives and Preservatives	2021-22 (3rd)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
5.	Project Preparation and Management	2021-22 (3rd)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
6.	Food Refrigeration and Cold Chain	2021-22 (2nd)	B. Tech. Food Technology	33	College of PHT & FP, SVPUAT, Meerut
7.	Entrepreneurship Development (FBM-412)	2022-23 (4th)	B. Tech. Food Technology	40	College of PHT & FP, SVPUAT, Meerut
8.	Food Process Equipment Design (FPE-311)	2022-23 (3rd)	B. Tech. Food Technology	33	College of PHT & FP, SVPUAT, Meerut
9.	Food Storage Engineering (FPE-312)	2022-23 (3rd)	B. Tech. Food Technology	33	College of PHT & FP, SVPUAT, Meerut
10.	Unit Operations of Food Processing-I (FPE-212)	2022-23 (2nd)	B. Tech. Food Technology	36	College of PHT & FP, SVPUAT, Meerut
11.	Dairy Engineering (DDE-212)	2022-23 (2nd)	B. Tech. Dairy Technology	25	College of PHT & FP, SVPUAT, Meerut

Conferences

(1) “Prospects of Pyruvate Production using Agro-waste: Preliminary Trials” presented in National Conference on Technological and Emerging Aspects in Agriculture and Community Science (2020).

(2) “Prospects of Biostimulants: A review” presented in International Conference on Emerging Trends in Engineering, Management and Sciences (2019)

(3) “Optimization of process parameters for the production of bioethanol using corn steep liquor” presented in International Conference on Advances in Agricultural and Biodiversity Conservation for Sustainable Development (2017).

(4) “Optimization of enzymatic saccharification for quality improvement of bio-oil from rice straw” presented in VII International Scientific Agriculture Symposium, Agrosym (2016).

Lab Manuals

Sr. No.	ISBN	Title	Authors	Publisher	Year
1.	978-81-962423-5-0	Manual and Practices on Analytical Techniques in Biotechnology	P. K. Omre, Sachin Kumar, **Manish Pant**, and Tanuja Pant	Shri Gyan Sagar Publications	2023
2.	978-81-962423-6-7	Manual and Practices on Agricultural Structures and Environmental Control	P. K. Omre, Sachin Kumar, **Manish Pant**, and Tanuja Pant	Shri Gyan Sagar Publications	2023
3.	978-81-962423-7-4	Manual and Practices on Entrepreneurship Development and Communication Skills	P. K. Omre, Sachin Kumar, **Manish Pant**, and Tanuja Pant	Shri Gyan Sagar Publications	2023

Conferences publications

Sr. No.	Authors	Title	Year (date)	Publisher	Journal	Pages (Volume)
1.	Manish Pant, Rahul Singh, Prateek Negi, Kritika Tiwari, Yashvir Singh	A comprehensive review on carbon nano-tube synthesis using chemical vapor deposition	2021/1/1	Elsevier	Materials Today: Proceedings	46 (11250-11253)
2.	Khan Chand, Manish Pant	Optimization of enzymatic saccharification for quality improvement of bio-oil from rice straw.	2016	University of East Sarajevo, Faculty of Agriculture	VII International Scientific Agriculture Symposium," Agrosym 2016", 6-9 October 2016, Jahorina, Bosnia and Herzegovina. Proceedings	2575-2587

International publications (SCI-indexed)

Sr. No.	Authors	Title (DOI)	Journal	Impact	Date of Publication	Contribution	ISSN No.	Page No.	No. of Co-Authors
1.	Manish Pant, Tanuja Pant	Maximising biotransformation of pine needles to microbial lipids using Lipomyces starkeyi MTCC 1400T https://doi.org/10.1016/j.renene.2023.02.051	Renewable Energy	8.634	13-02-2023	First Author	0960-1481	1-8	1
2.	Hemlata Pundir, Manish Pant, Tanuja Joshi, Sunaullah Bhat, Ramanand Pathak, Atal Bihari Bajpai, Subhash Chandra, Sushma Tamta	Identification of essential oil phytocompounds as natural inhibitors of Odorant-binding protein to prevent malaria through in silico approach https://doi.org/10.1080/07391102.2022.2132419	Journal of Biomolecular Structure and Dynamics	5.235	4-10-2022	First Author	1538-0254	1-11	7
3.	Pragya Prasanna, Tanuja Joshi, Manish Pant, Hemlata Pundir, Subhash Chandra	Evaluation of the inhibitory potential of Valproic acid against histone deacetylase of Leishmania donovani and computational studies of Valproic acid derivatives https://doi.org/10.1080/07391102.2022.2087103	Journal of Biomolecular Structure and Dynamics	5.235	6-6-2022	Corresponding Author	1538-0254	1-18	4
4.	Manish Pant, Tanuja Joshi, Pramod Kumar Omre, Pratima Awasthi, Leela Chauhan	Development of novel media formulation using rice straw and corn steep liquor for pyruvate production https://doi.org/10.1007/s13399-021-02057-w	Biomass Conversion and Biorefinery	4.987	28-10-2021	First Author	2190-6823	1-9	4
5.	Hemlata Pundir, Tanuja Joshi, Manish Pant, Sunaullah Bhat, Jyoti Pandey, Subhash Chandra, Sushma Tamta	Identification of SARS-CoV-2 RNA dependent RNA polymerase inhibitors using pharmacophore modelling, molecular docking and molecular dynamics simulation approaches https://doi.org/10.1080/07391102.2021.1987329	Journal of Biomolecular Structure and Dynamics	5.235	29-09-2021	Co-Author	1538-0254	1-12	6

National Publications

Sr. No.	Authors	Title (DOI)	Journal	NAAS score	Date of Publication	Contribution	ISSN No.	Page No.	No. of Co-Authors
1.	Manish Pant, Pramod Kumar Omre, Triveni Prasad Singh, Pratima Awasthi, Khan Chand, Anil Kumar	Screening and formulation of culture conditions for pyruvate production by candida glabrata MCC 1800 from corn steep liquor	International Journal of Chemical Studies	5.31	17-08-2020	First Author	2321–4902	1290-1294	5
2.	Rahul Singh, PK Omre, Manish Pant	Ultrasound assisted extraction of bio-colorant from walnut hull	Journal of Pharmacognosy and Phytochemistry	5.21	13-08-2020	Co- Author	2349-8234	1700-1705	2
3.	Manish Pant, Khan Chand	Optimization of process parameters for production of bio-oil from rice straw.	Pantnagar Journal of Research	4.31	2019	First Author	0972-8813	80-87	1
4.	Khan Chand, Manish Pant, AK Verma, NC Shahi	Optimization of enzymatic saccharification for quality bio-oil from rice straw	International Journal of Chemical Studies	5.31	19-12-2016	First Author	2321–4902	233-239	3