CURRICULUM VITAE

1.	Full Name (in block letter)	:	**Dr. JAI SHANKAR PAUL**
2.	Father's Name	:	Shri HARI DAS PAUL
3.	Address for correspondence	:	School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.), India-492010
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4.	Permanent address	:	Subhashpara, Bhanupratappur, Dist- Kanker, (Chhattisgarh)- 494669
5.	**Academic Qualifications**	:	M.Sc., M.Phil., Ph.D.
6.	**Exam Qualified**	:	CSIR NET Assistant Professor
7.	**Teaching Experience**	:	6 Years
8.	**Research Experience**	:	10 Years

9. Orientation program

1) Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur, (C.G.) from 18.09.2024 to 28.09.2024.

10. Editorship in Journals

Associate Editor in Open Access Journal of Microbiology & Biotechnology (OAJMB), ISSN: 2576-7771. Medwinpublishers.

11. Other Research experience

1) **Two year Ten month research experience** as Project Fellow of CCOST project carried out at Department of Botany, DB Girls PG Autonomous College, Raipur (C.G.) from October 2014- August 2017. Project title: Isolation, Screening and Identification of amylase producing bacteria from vegetable waste of Chhattisgarh with special reference to Raipur vegetable market.

12. Other laboratory experience

1) Short term training on **Proficiency in Immunotechnology** at Best Biotech Research Lab, Kuyampu, Karnataka (A.P.) from 7th June 2008 to 24th June 2008.

2) Hands on training on **Phylogenetic and Structural Analysis of Protein Modeling** (Haemoglobin, Myosin & Insulin) **in Bioinformatics with Emphasis on Drug**

Designing by Nitza biological at G.D. Rungta college of science and technology Bhilai (C.G.) from 24th November 2008 to 1st December 2008.

13. Award

1) Merit certificate for 7th position on merit list of M.Sc. Biotechnology 2012, awarded by Pt. Ravishankar Shukla University, Raipur (C.G.).

14. Workshop and Training

1) Attended National Workshop on **Operation and Maintenance of Laboratory Equipments**, jointly organized by School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University, Raipur Chhattisgarh and Western Regional Instrumentation Centre, Mumbai (A National Facility Center of University Grants Commission, New Delhi), 19-23 January 2015.
2) **3T-IBHSc Teachers Training Course** by The Indian Program of the UNESCO Chair in Bioethics (Haifa) held at Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattishgarh, Raipur from 28-30th May 2018.
3) Attended National Work shop on **Saikshanik Pustak Lekhan me Takniki Shabdawali ka Mahattva** by Commission for Scientific and Technical Terminology, MHRD, Department of Higher Education held at Chhattisgarh Rajya Hindi Granth Academy, Raipur (CG), 20-21 January 2018.

15. Conference/Seminar

1) Presented paper Title: Effect of Ferrous and Nitrate Ions on Biological Hydrogen Production from Dairy Effluent with Anaerobic Waste Water Treatment Process, in National Conference on Traditional Knowledge & Biotechnology, organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) 22-24 November 2013.
2) Presented paper Title: Cost effective novel technique for biohydrogen production from industrial effluent with its treatment, in National Seminar on Biodiversity of Medicinal and Aromatic Plants with respect to its Collection, Conservation & Characterization, organized by Department of Biotechnology, GD Rungta College of Science and Technology, Bhilai (C.G.) 28-29 January 2015.
3) Presented paper Title: Preservation of fungi for long time duration at 4°C, in National Seminar on Innovations & Prospects in Biotechnology, organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) 2-4 January 2016.
4) Presented paper Title: Optimization of parameters for a-amylase enzyme production from bacteria isolated from vegetable waste, in National Seminar on Advances in Environment Science & Technology, organized by Department of Botany, Govt. Digvijay Autonomous PG College, Rajnandgaon (C.G.) 23-24 January 2017.

5) Presented paper title: Effect of different chemicals on a-amylase enzyme production from bacteria *Bacillus subtilis* MB6 isolated from vegetable waste, in National Conference on Advances in Environmental & Chemical Sciences, organized by School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C.G.) 17-18 March 2017.
6) Presented paper Title: Ferret Out a Natural Bio-Pesticide: *Ophicordyceps nutans* in Central India and Its Interaction Analysis with Tree Stink Bug, in National Conference on Recent Advances and Trends in Biotechnology organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in Collaboration with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 10-12 January 2020.
7) Presented paper Title: Second Generation Biofuel–A Sustainable Alternative to meet Global Energy Crisis, in International *e*-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship Jointly organized by School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in academic partnership with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 7-8 January 2022.

16. Invited Lecture

1) Delivered invited lecture on Restriction Mapping in the Department of Botany, Govt. DB Girls PG College, Raipur (C.G.) under CPE Grant Workshop on 22 March 2018.

17. Paper Publication

1) **Jai Shankar Paul**, A. Quraishi, Veena Thakur and S.K. Jadhav (2014) Effect of Ferrous and Nitrate Ions on Biological Hydrogen Production from Dairy Effluent with Anaerobic Waste Water Treatment Process. Asian Journal of Biological Sciences, 7(4)**:** 165-171. DOI: 10.3923/ajbs.2014.165.171. (Peer reviewed, Thomson Reuters)
2) B.M. Lall, **Jai Shankar Paul** and S.K. Jadhav (2015) Effect of Incubation Period (with Static and Shaking condition) on α-Amylase Production from *Aspergillus flavus*. Advances in Biological Research, 9(1): 01-06. DOI: 10.5829/idosi.abr.2015.9.1.91172. (Peer reviewed)
3) **Jai Shankar Paul**, K.L. Tiwari and S.K. Jadhav (2015) Long Term Preservation of Commercial Important Fungi in Glycerol at 4°C. International Journal of Biological Chemistry, 9(2): 79-85. DOI: 10.3923/ijbc.2015.79.85. (**Scopus, Peer reviewed**)
4) Beulah Madhurima Lall, **Jai Shankar Paul**, Shailesh Kumar Jadhav and Kishan Lal Tiwari (2016) Effect of Carbon and Nitrogen Source a-Amylase Enzyme Production from *Bacillus subtilis* MB6. Indian Journal of Aerobiology, 29(1 & 2): 37-41. (**UGC Care**)

5) **Jai Shankar Paul**, B.M. Lall, S.K. Jadhav and K.L. Tiwari (2017) Parameter's optimization and kinetics study of α-amylase enzyme of *Bacillus* sp. MB6 isolated from vegetable waste. Process Biochemistry, 52: 123-129. https://doi.org/10.1016/j.procbio.2016.10.005 (**SCI IF:3.7**)
6) ML Naik, SK Jadhav, Afaque Quraishi, Naveen Gupta, KK Ghosh and **Jai Shankar Paul** (2018) *Ipomoea triloba* (Convolvulaceae) a new record for Chhattisgarh India. Bioscience Discovery, 9(2): 274-277. (Peer reviewed)
7) **Jai Shankar Paul**, B.M. Lall, S.K. Jadhav and K.L. Tiwari (2019) Isolation and Identification of Novel *Bacillus tequilensis* TB5 from Vegetable Waste and Analyze the Effect of Rudiment Compounds on Bio-Catalytic α-Amylase Production. Research & Reviews: A Journal of Microbiology and Virology, 9(2): 39-50. (Peer reviewed)
8) **Jai Shankar Paul**, Esmil Beliya, Shubhra Tiwari, Karishma Patel, Nisha Gupta, S.K. Jadhav (2020) Production of biocatalyst α-amylase from agro-waste 'Rice Bran' by using *Bacillus tequilensis* TB5 and standardizing its production process. Biocatalysis and Agricultural Biotechnology, 26: 101648. DOI: https://doi.org/10.1016/j.bcab.2020.101648. (**Scopus, IF: 3.4**)
9) **Jai Shankar Paul,** S.K. Jadhav, Afaque Quraishi, M.L. Naik (2020) Ferret out a natural bio-pesticide: *Ophicordyceps nutan*s in Central India and its interaction analysis with tree stink bug. Proceedings of the Zoological Society, 73: 316–319. DOI: 10.1007/s12595-020-00328-4. (**Scopus, UGC Care**).
10) **Jai Shankar Paul**, Nisha Gupta, Esmil Beliya, Shubhra Tiwari, Shailesh Kumar Jadhav (2021) Aspects and Recent Trends in Microbial α-Amylase: a Review. Applied Biochemistry and Biotechnology, 193:2649–2698. https://doi.org/10.1007/s12010-021-03546-4. (**SCI IF: 3.1**)
11) Nisha Gupta, Esmil Beliya, **Jai Shankar Paul**, Shubhra Tiwari, Shriram Kunjam, Shailesh Kumar Jadhav (2021) Molecular strategies to enhance stability and catalysis of extremophile-derived α-amylase using computational biology. Extremophiles, 25:221–233. https://doi.org/10.1007/s00792-021-01223-2. (**SCI IF: 2.6**)
12) Nisha Gupta, **Jai Shankar Paul** and S.K. Jadhav (2021) *In Silico* Approaches to Reveal Structural Insights, Stability and Catalysis of *Bacillus*-Derived α-Amylases Prior to Advance Lab Experiments. Journal of Computational Biophysics and Chemistry, 20 (8):853–867. https://doi.org/10.1142/S2737416521500538. (**SCI IF: 2**)
13) Shubhra Tiwari, Esmil Beliya, Monika Waswani, Khushbu Khawase, Dristi Verma, Nisha Gupta, **Jai Shankar Paul** and Shailesh Kumar Jadhav (2022) Rice Husk: A Potent Lignocellulosic Biomass for Second Generation Bioethanol Production from *Klebsiella*

oxytoca ATCC 13182. Waste and Biomass Valorization, 13: 2749–2767. https://doi.org/10.1007/s12649-022-01681-5. (**SCI IF: 2.6**)

14) Nisha Gupta, Esmil Beliya, **Jai Shankar Paul** and S.K. Jadhav (2022) Nanoarmoured α -amylase: A route leading to exceptional stability, catalysis and reusability for industrial applications. Coordination Chemistry Reviews, 464:214557, 1-20. https://doi.org/10.1016/j.ccr.2022.214557. (**SCI IF: 20.3**)
15) Ankita Rathi, Nisha Gupta, Vani Dhruw, Esmil Beliya, Shubhra Tiwari, **Jai Shankar Paul** and S.K. Jadhav (2022) Valorization of rice milled by-products (rice husk and de-oiled rice bran) into α-amylase with its process optimization, partial purification and kinetic study. Process Biochemistry, 120: 101-113. https://doi.org/10.1016/j.procbio.2022.06.006. (**SCI IF: 3.7**)
16) Dristi Verma, **Jai Shankar Paul**, Shubhra Tiwari and S.K. Jadhav (2022) A Review on Role of Nanomaterials in Bioconversion of Sustainable Fuel Bioethanol. Waste and Biomass Valorization, 13: 4651–4667. https://doi.org/10.1007/s12649-022-01843-5. (**SCIE IF: 2.6**)
17) Nisha Gupta, **Jai Shankar Paul**, Shailesh Kumar Jadhav (2024) Biovalorizing agro-waste 'de-oiled rice bran' for thermostable, alkalophilic and detergent stable α-amylase production with its application as laundry detergent additive and textile desizer. International Journal of Biological Macromolecules, 256: 128470. https://doi.org/10.1016/j.ijbiomac.2023.128470. (**SCIE IF: 7.7**)
18) Nisha Gupta, Jai Shankar Paul, Shailesh Kumar Jadhav (2024) Chitosan Decorated Magnetic Nanobiocatalyst of Bacillus derived a-Amylase as a Role Model for Starchy Wastewater Treatment, Detergent Additive and Textile Desizer. Bioorganic Chemistry, 151:107673. https://doi.org/10.1016/j.bioorg.2024.107673. (**SCIE IF: 4.5**)
19) Aayushi Patle, Bipasha Singh, Nisha Gupta, Jai Shankar Paul (2024) Plant Mediated Biosynthesis of Zinc Oxide Nanoparticle Using *Aegle marmelos* (Bael) Leaf Extract to Study its Antibacterial Activity and Chromium Adsorption. Research Journal of Pharmacy and Technology, 17(11):5417-3. https://doi:10.52711/0974-360X.2024.00828. **(Scopus)**

18. Proceeding Paper Publication

1) **Paul Jai Shankar**, Quraishi A, Thakur Veena and Jadhav SK (2014) Biohydrogen Production from Dairy Effluent by Anaerobic Batch Fermentation Process. *Biotechnology and Traditional Knowledge*, Chapter- 22, pp. 171-182, Biotech Books. ISBN No.- 978-81-7622-330-0.

19. Book Chapter

1) Shubhra Tiwari, S.K. Jadhav, Esmil Beliya, **Jai Shankar Paul** and G.D. Sharma (2020) Ethnic Fermented Beverages and Foods of Chhattisgarh, Chapter-5, pp. 121-138. Springer Nature Singapore Pte Ltd. 2020. In J. P. Tamang (ed.), Ethnic Fermented Foods and Beverages of India: Science History and Culture, https://doi.org/10.1007/978-981-15-1486-9_5.
2) Shubhra Tiwari, **Jai Shankar Paul**, Nisha Gupta, Dristi Verma, and S. K. Jadhav (2023) Ethnic Fermented Beverages of India. J.- M. Mérillon et al. (eds.), Natural Products in Beverages, Reference Series in Phytochemistry, Springer Nature Switzerland AG 2023. https://doi.org/10.1007/978-3-031-04195-2_191-1.
3) Nisha Gupta, Dristi Verma, Shubhra Tiwari, Jai Shankar Paul, Shailesh Kumar Jadhav (2024) Tools and Techniques Related to the Monitoring and Assessment of Biosorbents. Mahish PK et al. (eds.), Biosorbents Diversity, Bioprocessing, and Applications. Series: Emerging Materials and Technologies. CRC Press, Taylor & Francis Group, London, New York. https://doi.org/10.1201/9781003366058-11
4) Gupta, N., Beliya, E., Paul, J.S., Jadhav, S.K. (2024). Valorization of the Lignocellulosic Biomass via Bacterial Enzymatic Machinery for Sustainable Biorefinery. In: Agrawal, K., Verma, P. (eds) Biotechnological Advances in Biorefinery. Interdisciplinary Biotechnological Advances. Springer, Singapore. https://doi.org/10.1007/978-981-97-5544-8_2
5) Shubhra Tiwari, Jai Shankar Paul, Nisha Gupta, Dristi Verma, G. D. Sharma, and Shailesh Kumar Jadhav (2025) Downstream Processing Applications on Waste Valorization for Value-Added Biomolecule Generation. In: Dipankar Ghosh, Latika Bhatia (eds) Oleaginous Microbes for Waste Biomass Valorization. Apple Academic Press Inc. 1265 Goldenrod Circle, NE, Palm Bay, FL 32905 USA. CRC Press, 2385 NW Executive Center Drive, Suite 320, Boca Raton FL 33431. ISBN: 978-1-77491-802-9.

20. M.Sc. Dissertation Supervised

SN	Name of Candidate	Title of M.Sc. Dissertation	Year	Remark
1.	Karishma Patel	Production of α-amylase from agro-waste residue 'rice bran' using *Bacillus tequilensis* TB5	2019	Co-guide
2.	Monika Vaswani	Effect of Various Pretreatment of Rice Husk on Bioethanol Production from *Klebsiella oxytoca* ATCC13183	2019	Co-guide
3.	Ankita Rathi	De-Oiled Rice Bran: A Potent Agro-waste for α-Amylase Production using *Staphylococcus aureus* and *Bacillus subtilis* MB6	2020	Guide

4.	Vani Dhruw	Production of α-Amylase from *Staphylococcus aureus* and *Bacillus subtilis* MB6 using Agro-Waste Substrate 'Rice Husk' and Standardizing the Production Parameter	2020	Guide
5.	Twinkle Agrahari	A Comparative Study on Antibacterial and Antioxidative Efficacies of *Tinospora cordifolia* and *Asparagus racemosus* Extracts	2020	Guide
6.	Lisha Roy	Production and Biochemical Characterization of α-Amylase from Rice Straw using *Klebsiella oxytoca* ATCC 13182	2021	Guide
7.	Aastha Verma	Synthesis of Metallic Nanoparticles via Green Approach and Evaluation of its Antibacterial Potential	2021	Guide
8.	Papiya Chatterjee	Evaluating the Antibacterial Potential of Iron Nanoparticle Synthesized via Green Approach	2021	Guide
9.	Shrijan Verma	Biogenic Synthesis of Zinc Oxide Nanoparticles using *Bauhinia variegata* L. and Evaluation of its Antibacterial Efficacy	2022	Guide
10.	Prachee Vaswani	Production and parameter optimization of protease enzyme from agro-industrial residues by *E. coli* ATCC443 and its application in stain removal	2022	Guide
11.	Roza Ali	Valorization of Agro-Industrial By-Products into α-Amylase using *Escherichia coli* ATCC443	2022	Guide
12.	Bhavesh Thakur	*Ocimum sanctum* Assisted Silver Nanoparticles Synthesis and Evaluation of its Antibacterial Potential	2023	Guide
13.	Dolly Dewangan	Production and Biochemical Characterization of Bacteriocin from *Bacillus licheniformis*	2023	Guide
14.	Komal Dewangan	Production and Partial Characterization of α-Amylase from *Bacillus cereus* through Submerged Fermentation of Wheat Bran	2023	Guide
15.	Srishti Soni	Evaluation of Antibacterial Potential of Biogenically Synthesized Metal Oxide Nanoparticles	2023	Guide
16.	Bhumika	Biochemical Characterization and Potential Application of α-Amylase from *Madhuca longifolia* var. *latifolia* Flower using *Bacillus cereus*	2024	Guide
17.	Priyanshee Maurya	Evaluating the Antibacterial Potential of Inorganically and Biogenically Synthesized Calcium Oxide Nanoparticles	2024	Guide
18.	Aditi Chandrakar	Comparative Analysis of Enzyme Kinetics and Applications of *Bacillus cereus* McR3 derived α-Amylase from Natural (Mahua) and Synthetic Substrate	2024	Guide

21. Abstract Publication

1) **Paul Jai Shankar,** Thakur Veena and Jadhav S.K. (2012) Production of biohydrogen by fermentation process from dairy effluent. Pg. 61, National Seminar on Changing Environment and its Impact on Biodiversity, organized by Department of Botany, Govt.

D.B. Girls P.G. Autonomous College, Raipur (C.G.) sponsored by UGC-CRO, Bhopal and CGCOST, Raipur, 11-12 October.

2) **Paul Jai Shankar,** Quraishi A. and Jadhav S.K. (2013) Effect of Ferrous and Nitrate Ions on Biological Hydrogen Production from Dairy Effluent with Anaerobic Waste Water Treatment Process. Pg. 104, National Conference on Traditional Knowledge & Biotechnology, organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) 22-24 November.
3) **Jai Shankar Paul**, K.L. Tiwari and S.K. Jadhav (2015) Cost effective novel technique for bio-hydrogen production from industrial effluent with its treatment. Pg. 7, National Seminar on Biodiversity of Medicinal and Aromatic Plants with respect to its Collection, Conservation & Characterization, organized by Department of Biotechnology, GD Rungta College of Science and Technology, Bhilai (C.G.) 28-29 January.
4) **Jai Shankar Paul,** K.L. Tiwari and S.K. Jadhav (2016) Preservation of fungi for long time duration at 4°C. Pg. 87, National Seminar on Innovations & Prospects in Biotechnology, organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) 2-4 January.
5) **Jai Shankar Paul**, B.M. Lall, S.K. Jadhav and K.L. Tiwari (2017) Optimization of parameters for α-amylase enzyme production from bacteria isolated from vegetable waste. Pg. 55, National Seminar on Advances in Environment Science & Technology, organized by Department of Botany, Govt. Digvijay Autonomous PG College, Rajnandgaon (C.G.) 23-24 January.
6) **Jai Shankar Paul**, B.M. Lall, S.K. Jadhav and K.L. Tiwari (2017) Effect of different chemicals on α-amylase enzyme production from bacteria *Bacillus subtilis* MB6 isolated from vegetable waste. Pg. 34, National Conference on Advances in Environmental & Chemical Sciences, organized by School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C.G.) 17-18 March.
7) Beulah Madhurima Lall, **Jai Shankar Paul**, Shailesh Kumar Jadhav and Kishan Lal Tiwari (2018) Effect of carbon and nitrogen source on bio-catalytic α-amylase enzyme production from *Bacillus subtilis* MB6. Pg. 130, XX National Conference of Aerobiology, organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati (MS) 29-31 January.
8) **Jai Shankar Paul**, Esmil Beliya, SK Jadhav, Afaque Quraishi, ML Naik (2020) Ferret Out a Natural Bio-Pesticide: *Ophicordyceps nutan*s in Central India and Its Interaction Analysis with Tree Stink Bug. Pg. 32, National Conference on Recent Advances and Trends in Biotechnology organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in Collaboration with Deendayal

Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 10-12 January.

9) Dristi Verma, Shubhra Tiwari, Esmil Beliya, **Jai Shankar Paul**, Shailesh Kumar Jadhav (2020) Production of Green Energy 'Bioethanol' from Agro-Waste. Pg. 59, National Conference on Recent Advances and Trends in Biotechnology organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in Collaboration with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 10-12 January.
10) Esmil Beliya, Shubhra Tiwari, **Jai Shankar Paul**, SK Jadhav (2020) Study of Various Physical Pretreatment Methods of Deoiled Rice Bran for Bioethanol Production. Pg. 60, National Conference on Recent Advances and Trends in Biotechnology organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in Collaboration with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 10-12 January.
11) Nisha Gupta, **Jai Shankar Paul**, Shubhra Tiwari, Esmil Beliya, SK Jadhav (2020) Screening of Cost Effective Agro-Waste Substrate 'Rice Bran' for α-Amylase Production. Pg. 92, National Conference on Recent Advances and Trends in Biotechnology organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in Collaboration with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 10-12 January.
12) **Jai Shankar Paul**, Monika Vaswani, Khushbu Khawase, Nisha Gupta, S.K. Jadhav (2022) Second Generation Biofuel–A Sustainable Alternative to meet Global Energy Crisis. Pg. 86, International *e*-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship Jointly organized by School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in academic partnership with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 7-8 January.
13) Nisha Gupta, **Jai Shankar Paul**, S.K. Jadhav (2022) Utilizing Rice-Milled By-Products for Cost-Effective α-Amylase Production. Pg. 188, International *e*-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship Jointly organized by School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in academic partnership with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 7-8 January.
14) Ankita Rathi, Nisha Gupta, **Jai Shankar Paul**, S.K. Jadhav (2022) α-Amylase Production and Parameter Optimization from Deoiled Rice Bran using *Staphylococcus*

aureus. Pg. 187, International *e*-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship Jointly organized by School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in academic partnership with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 7-8 January.

15) Pankaj Kumar Bharti, **Jai Shankar Paul**, S.K. Jadhav (2022) Various Antibiofilm Agents against *Candida albicans* Biofilm. Pg. 215, International *e*-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship Jointly organized by School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) in academic partnership with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur, 7-8 January.

Place: Raipur

Name: Dr. Jai Shankar Paul