

Personal Information



Prof. Pradeep Verma

Professor, Department of Microbiology

Team Leader, Bioprocess and Bioenergy Laboratory

Central University of Rajasthan

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[Website: Bioprocess and Bioenergy Laboratory](#)

Educational Qualifications

Ph.D. (Microbiology)	Year 2002	Institution	Sardar Patel University, Anand, Gujarat, India
M.S. (Microbiology)	Year 1997	Institution	MDSU, Ajmer, Rajasthan India
B.S. (Biology)	Year 1994	Institution	MDSU, Ajmer, Rajasthan, India

Current Area of Research

[Bioprocess and Bioenergy Laboratory](#) : Team leader

The laboratory focuses on developing scientific process and technologies to produce various economically important products such as enzymes, metabolites and biofuels.

The Laboratory works on below mentioned areas:

1. Study of microbial diversity of various ecological niches.
2. Bioprocess development for production of biotechnologically important products.
3. Development of efficient biomass modification and biomass pretreatment system
4. Algal biofuel and microbe assisted bioremediation

[See More](#)

Research Classification: Microbial Diversity, Enzymology, Fermentation technology, Bioremediation, Bioenergy (Lignocellulosic and Algal Biomass based), Integrated Biorefinery, Bioelectricity

Awards & Recognitions



- Japan Society for Promotion of Science (JSPS) Fellow, Japan (2022)**
- The Distinction Fellow of the Academy of Microbiological Sciences (AMSc), AMI Fellow, Association of Microbiologist of India, India (2022)**
- Young Scientist Award, 3rd International Conference on Bioprocess for Sustainable Environment and Energy (2022)**
- Prof. P.C. Jain Memorial Award, Mycological society of India (2022)**
- BRSI Fellow, Biotech Research Society of India (2021)**
- Prof. P.C. Jain Memorial Award, Mycological society of India (2021)**
- MSI Fellow, Mycological Society of India (2020)**
- Japan Society for Promotion of Science (JSPS) Fellow, Japan (2009)**
- Ron Cockcroft Award by Swedish Society, Sweden (2005)**
- Visiting Scientist, UFZ centre for Environmental Research, Halle/Saale Germany**
- German Science Foundation (DFG), Germany (2005)**
- UNESCO Fellow, ASCR, Prague, Czech Republic (2002)**

Professional Membership



भारतीय जीवाणुतत्त्ववेत्त संगठन
Association of Microbiologists of India



Mycological Society of India

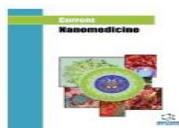
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THE BIOTECH
RESEARCH
SOCIETY, INDIA

- ✦ Association of Fungal Biologist (AFB), **India- Life Member**
- ✦ Mycological Society of India (MSI), **India - Life Member**
- ✦ **National Academy of Biological Sciences (NABS), India-Life Member**
- ✦ Association of Microbiologist, (AMI), **India - Life Member**
- ✦ Biotechnology Research society of India, (BRSI), **India - Life Member**
- ✦ Indian JSPS Alumni Association, IJSPS, **India- Life Member**
- ✦ Society of Biological Chemists (SBC), **India - Life Member**
- ✦ German Science Foundation, **Germany - (2004-2007)**

Editorial Tasks



Springer



Biomass Conversion and Biorefinery
Processing of Biogenic Material for Energy and Chemistry



International Journal of
*Environmental Research
and Public Health*

- ✦ Guest Editor for Special Issue: Sustainable Bioprocess for Agricultural Waste Valorization in *agriculture* (MDPI)
- ✦ Guest Editor for Special Issue: Agricultural Domain and Its Dual Role in Global Food Security, in *sustainability* (MDPI)
- ✦ Editorial Board Member. [Biotechnology and Genetic Engineering Reviews](#),
- ✦ Editorial Board Member Current Nanomedicine, Bentham Sciences
- ✦ Guest Editor for Special Issue: [Advanced & Innovative approach of Biofiltration in Wastewater Treatment Plants for the sustainable environment \(ABWTSE\)](#) in Bioengineered journal Taylor and Francis
- ✦ Guest Editor for [“Biomolecule Engineering: Advances in Nano-Biomaterials Green Synthesis for Biomedical Applications”](#) **Frontiers in Nanotechnology**
- ✦ Assistant Guest Editor Special Issue: [“Microalgae Biorefinery for Bioproducts”](#) in International Journal of Environmental Research and Public Health (mdpi)
- ✦ Guest Editor for [“Advances in Biomolecule Engineering: Green Synthesis of Nano-Biomaterials for Biomedical Applications”](#) Frontiers in Nanotechnology
- ✦ Guest Editor in Thematic Issue [“Hydrothermal Conversion of Biomass”](#) in Biomass Conversion and Biorefinery Journal (Springer)

Books Editor

1. **Verma P. (Editor)**, [Enzymes in the Valorization of Waste Enzymatic Hydrolysis of Waste for Development of Value-added Products](#), 2023, CRC Press. Print ISBN: 978-1-032-03509-3.
2. **Verma P. (Editor)**, [Enzymes in the Valorization of Waste Enzymatic Pretreatment of Waste for Development of Enzyme-based Biorefinery](#), 2023, CRC Press. Print ISBN: 978-1-032-03515-4.
3. **Verma P. (Editor)** [Enzymes in the Valorization of Waste Next-gen Technological Advances for Sustainable Development of Enzyme-based Biorefinery](#), 2023, CRC Press. Print ISBN: 978-1-032-03517-8.

4. **Verma P. (Editor)** [Thermochemical and Catalytic Conversion Technologies for Future Biorefineries, Volume-1,2022, Springer](#). As a Part of Book Series: Clean Energy Production Technologies”. **Print ISBN: 978-981-19-4311-9.**
5. **Verma P. (Editor)** [Thermochemical and Catalytic Conversion Technologies for Future Biorefineries, Volume-2,2022, Springer](#). As a part of Book Series: “Clean Energy Production Technologies”. **Print ISBN: 978-981-19-4315-7.**
6. **Verma, P., (Editor),** [Micro-algae: Next-generation Feedstock for Biorefineries: Cultivation and Refining Processes](#). **Springer**, As a part of book series “Clean Energy Production Technologies” **Print ISBN: 978-981-19-0792-0.**
7. **Verma, P., (Editor),** [Micro-algae: Next-generation Feedstock for Biorefineries Contemporary Technologies and Future Outlook](#). **Springer**, As a Part of Book series: “Clean Energy Production Technologies” **Print ISBN: 978-981-19-0679-4.**
8. **Verma P and Shah M (Editors)** [Bioprospecting of Microbial Diversity Challenges and Applications in Bio-chemical Industry, Agriculture and Environment Protection](#), **Elsevier, Print ISBN: 978-0323909587.**
9. **Verma P and Shah M (Editors)** [Phycology-Based Approaches for Wastewater Treatment and Resource Recovery](#). **CRC Press, Print ISBN:978-0367726447.**
10. **Verma P (Editor)** [Industrial Microbiology and Biotechnology](#) 2021, **Springer, Print ISBN: 978-9811652134.**
11. **Verma P. (Editor)** [Biorefineries: A Step Towards Renewable and Clean Energy](#), 2021, **Springer**, As a Part of Book series: Clean Energy Production Technologies”. **Print ISBN: 978-981-15-9592-9.**
12. **Verma, P., (Editor),** [Industrial Microbiology and Biotechnology, Emerging concepts in Microbial Technology](#). **Springer, (In Process).**
13. **Bhatt, S.K., Kumar V., Li, F., and Verma, P., (Editors)** [Detection and Treatment of Emerging Contaminants in Wastewater](#), **IWA Publishing (In Process)**
14. **Kumar, V., Kumar, S., Verma, P., Bhatt, S.K., (Editors)** [Microbial Nexus for Sustainable Wastewater Treatment: Resources, Efficiency and Reuse](#), **CRC Press (In Process).**
15. **Kumar V., Bhatt, S.K., Verma, P., Kumar, S., (Editors)** [Recent Trends in Management and Utilization of Industrial Sludge](#), **Springer, (In Process).**
16. **Kumar V., Bhatt, S.K., Verma, P., Kumar, S., (Editors)** [Environment Engineering and Waste Management Recent Trends and Perspectives](#), **Springer, (In Process)**

Academic and Research Experiences

2021- Till Date	Dean , School of Sports Sciences, Central University of Rajasthan, Ajmer, India <i>Former HOD, Department of Bio-sciences, Central University of Rajasthan, Ajmer, India</i>
2014- Till Date	Professor , Department of Microbiology, Central University of Rajasthan, Ajmer, India <i>Former Head: Department of Microbiology (April 2016-March 2019)</i> <i>Former Dean, School of Life-Sciences (June 2016-September 2019)</i>
2013- 2014	Associate Professor , Department of Microbiology, Central University of Rajasthan, Ajmer, Rajasthan, India
2011- 2013	Associate Professor , Department of Biotechnology, Guru Ghasidas Central University Bilaspur Chhattisgarh, India
2009- 2011	Reader & Head , Department of Microbiology, Assam Central University, Silchar, Assam, India
2007-2009	JSPS Invitation Fellow , RISH, Kyoto University, Japan
2007-2008	Research Scientist , Management cadre, Reliance Life Science, Mumbai
2004-2007	Postdoctoral Fellow , University of Goettingen, Germany,
2004-2005	Visiting Scientist , UFZ centre for environmental Research, Halle/Saale Germany
2003-2004	Postdoctoral Fellow , Laboratory of Gene Expression, Charles University, Prague, Czech

Current Academic Responsibilities (Central University of Rajasthan)

- ✦ **Dean, School of Sport Science (Since Dec.23, 2021-present)**
- ✦ **Coordinator, National Assessment and Accreditation Council (NAAC), Central University of Rajasthan (Present)**
- ✦ **Director, Internal Quality Assurance Cell (IQAC) Central University of Rajasthan (July, 2020-Present)**
- ✦ **Co-Coordinator**, Central Universities Entrance Test conducted by CURAJ, Ajmer
- ✦ **Member of the Executive Council**, Central University of Rajasthan,
- ✦ **School Board Member**, Department of Microbiology, School of Life Sciences, Central University of Rajasthan
- ✦ **Member of Board of Studies**, School of Life Sciences, Central University of Rajasthan
- ✦ **External Expert** Nominee member in Board of studies for Department of Pharmacy, Department of Education, Department of Mathematics at Central University of Rajasthan
- ✦ **Coordinator**, DST-FIST, Department of Microbiology, Central University of Rajasthan (2016- till date)

Current Academic and Research Responsibilities (Outside CURAJ)

- ✦ **President, Associations of Microbiologist, India (AMI) AMI-Ajmer Unit.**
- ✦ **External Evaluator** of proposals for the candidates “The European Science Foundation”, Luxembourg
- ✦ **Project proposal evaluator** for the projects to be submitted to King Fahd University of Petroleum & Minerals (KFUPM), Saudi Arabia
- ✦ **Evaluator** of the MEXT JSPS applications for master’s and PhD programme
- ✦ **External Examination Board member**, Department of Microbiology, Central University of Harayana
- ✦ **Member of Question paper setting committees** of prestigious national level exam conducted by DBT and CURAJ
- ✦ **Member of Screening cum selection committee** for Department of Science and Technology, Government of Rajasthan, Jaipur
- ✦ **Member of National Advisory Committee** for International conference on Biotechnology for Sustainable Agriculture Environment and Health (BSAEH-2020)
- ✦ **Expert PhD thesis evaluator** for National and International institute such as Cairo University, Egypt, North Eastern Hill University (NEHU), Shillong, CSIR-CSIO, Chandigarh, Jamia Hamdard, New Delhi, Assam University, Silchar, Sardar Patel University, North Maharashtra University, Pondicherry University, Berhampur University, Berhampur, Guru Ghasidas Vishwavidyalaya, Bilaspur, Gujrat Vidyapeeth, etc.
- ✦ **Coordinator** DBT-Builder Programme, Guru Ghasidas Vishwavidyalaya, Bilaspur

Past Academic/Professional Responsibilities

- ✦ **Former Chairman, Purchase Committee, Central University of Rajasthan (until March 2023)**
- ✦ **Former Head, Department of Bio-Sciences, Central University of Rajasthan, (Dec 2021-Sept 2022).**
- ✦ **Former Dean**, School of Life Sciences, Central University of Rajasthan (June 2016- Aug 2019)
- ✦ **Former Head**, Department of Microbiology, School of Life Sciences, Central University of Rajasthan (April 2016- April 2019)
- ✦ **Former Chairman**, Sports, Central University of Rajasthan (July 2015- June 2019)
- ✦ **Chairman**, Syllabus committee of M.Sc. Bioinformatics Programme
- ✦ **Member of Academic Council** at Assam Central University
- ✦ **Member** of various selection bodies at Assam Central University
- ✦ **Research Coordinator** of Department Biotechnology, GGU, Bilaspur (C.G.)
- ✦ **Guiding PhD scholars and M.Sc. and B. Sc. Biotechnology Integrated Dissertation students**

Pradeep Verma Curriculum Vitae

 Pradeep Verma



ORCID



- ✦ **Founder Head**, Department of Microbiology, Assam University, Silchar (2009-11)
- ✦ Established the state of art Department of Microbiology, Assam University, Silchar (2009-11)
- ✦ Designed the Microbiology syllabus as per National and International needs
- ✦ **Member** of detail project report to establish Central Medical College at Assam Central University
- ✦ Designed the Microbiology and Biotechnology laboratories at Assam Central University
- ✦ **Introduced** Credits Based Choice System (CBCS) as per UGC requirements
- ✦ **Collaboration** started with various International and National Universities
- ✦ Developing concept of lignocellulosic Biorefinery using biomimic system for second generation biofuels and biochemical's from renewable resources
- ✦ Involved in biotechnological aspects of new method development and scale up the process of industrial enzyme and fungal metabolites
- ✦ German Chemical Company (BASF) and Reliance Life Science, Mumbai for process development
- ✦ Played a pivotal role in the completion of the work pertaining to proof-of-concept studies at large scale in the projects

Professional Research experiences and Tasks completed

- ✦ Developed a process for cost-effective **second-generation** biofuels production **RISH Japan, (Japanese patent, March 2009, WO/2010/013696 PCT/ JP2009/063398)**
- ✦ **US Patent 2011** US patent, 2011 US 2011/0263843 A1 **Commercialized)**
- ✦ Successfully developed an efficient process for biobutanol production **at Reliance Life Science, Mumbai, (Filed Patent, December, 2007, Process for production of high yield of biobutanol, WO/2009/087680 PCT/IN2008/000864)**
- ✦ In vitro and in vivo studies Effect on enzymatic machinery of fungal spp, Five international publications. Product available in market from BASF (German Chemical Company) at University of Goettingen, **Germany,**
- ✦ Single Strand Conformation Polymorphism (SSCP), Identifying bacterial communities work at UFZ centre for environmental Research, Halle/Saale **Germany,**
- ✦ Development of several bio-mimic systems, Academy of Science of the Czech Republic, Prague, **Czech Republic,** Five International papers

Completed project

- ✦ Exploring Fungal diversity from Selected area of Assam Using Biochemical and Molecular Approach for Industrially Important Bio-molecules, **PI, DBT, Gov. of India, Duration- Nov 2012-June 2016, Cost-Rs. 82 Lakhs, (Completed),**
- ✦ An integrated approach for the development of microwave system for pretreatment of lignocellulosic biomass for cellulolytic enzymes and ethanol production. **PI, DBT, Gov. of India, Duration- May 2014-May 2018, Cost-Rs. 69 Lakhs, (Completed)**

Research Guidance & Thesis Evaluation

➤ Research Guidance

- ✦ Ph D 3 (Awarded), 4 (Ongoing)
- ✦ Post Doc 1 (Ongoing)
- ✦ M.Sc. Dissertation 33 (Completed), 1 (Ongoing)
- ✦ B.Sc. Dissertation 11 (Completed)

➤ Thesis Evaluation

- ✦ 30 Thesis Evaluated
- ✦ 09 Viva Conducted (As External Examiner)
- ✦ 06 Viva Conducted (As Dean and Nominee by University)

Research outcome

Type	Parameters	All	2018-2023
Research Articles	No. of Research & Review Article	76	51
	Cumulative Impact Factor	388.83	243.37
	Average Impact factor	5.11	4.77
Book	No. of Books	11 +04*	11+04*
Book Chapters	No. of Book Chapters	50	48
Patents	National patents	01	-
	International Patents	16	00

*Accepted and In Press

List of Research Publications

In last five years (2018- till date)

- Agrawal, K., Ruhil, T., Gupta, V.K. and Verma, P., 2023. Microbial assisted multifaceted amelioration processes of heavy-metal remediation: a clean perspective toward sustainable and greener future. *Critical Reviews in Biotechnology*, pp.1-19. **(IF: 9.062)**
- Goswami, R.K., Agrawal, K., Mehariya, S., Rajagopal, R., Karthikeyan, O.P. and Verma, P., 2023 Development of economical and sustainable cultivation system for biomass production and simultaneous treatment of municipal wastewater using *Tetraselmis indica* BDUG001. *Environmental Technology*, pp.1-45. **(IF: 3.47)**.
- Goswami, R.K., Agrawal, K., Upadhyaya, H.M., Gupta, V.K. and Verma, P., 2022. Microalgae conversion to alternative energy, operating environment and economic footprint: An influential approach towards energy conversion, and management. *Energy Conversion and Management*, 269, p.116118. **(IF: 11.53)**.
- Nair, L.G., Agrawal, K. and Verma, P., 2022. An insight into the principles of lignocellulosic biomass-based zero-waste biorefineries: a green leap towards imperishable energy-based future. *Biotechnology and Genetic Engineering Reviews*, pp.1-51. **(IF: 4.20)**.
- Nair, L.G., Agrawal, K. and Verma, P., 2022. An overview of sustainable approaches for bioenergy production from agro-industrial wastes. *Energy Nexus*, p.100086.
- Goswami, R.K., Agrawal, K. and Verma, P., (2022). An exploration of natural synergy using microalgae for the remediation of pharmaceuticals and xenobiotics in wastewater. *Algal Research*, 64, p.102703. **(IF: 5.01)**
- Goswami, R.K., Mehariya, S., Karthikeyan, O.P., Verma, P. (2022) Influence of carbon sources on biomass and biomolecule accumulation in *Picochlorum* sp. cultured under the mixotrophic condition. *International Journal of Environmental Research and Public Health* 2022, 19, 3674. **(IF: 4.61)**
- Goswami, R. Mehariya, S., K., Karthikeyan, O. P., Gupta, V. K., & Verma, P., (2022), Multifaceted application of microalgal biomass integrated with carbon dioxide reduction and wastewater remediation: A flexible concept for sustain nable environment **Journal of Cleaner Production. 1-26 (IF: 11.07)**

Citation Indices	Google Indices	
	All	Since 2018
Citations	4690	3944
h-index	35	32
i10-index	91	87

Pradeep Verma Curriculum Vitae

 Pradeep Verma



ORCID



9. Goswami, R.K., Agrawal, K., **Verma, P***. (2022) Microalgal-based remediation of wastewater: A step towards environment protection and management **Environmental Quality Management**, 1-18 (IF: 1.09)
10. Singh, D., Goswami, R.K., Agrawal, K., Chaturvedi, V., **Verma, P***. (2022) Bio-inspired remediation of wastewater: A contemporary approach for environmental clean-up **Current Research in Green and Sustainable Chemistry**, 1-18 (Cite Score 1.7)
11. Goswami, R.K., Agrawal, K., **Verma, P***. (2022) Microalgae *Dunaliella* as biofuel feedstock and β -carotene production: An influential step towards environmental sustainability **Energy Conversion and Management: X**, 1-16 100154 (Cite Score 4.2)
12. Goswami, R.K., Agrawal, K., **Verma, P***. (2021) Multifaceted Role of Microalgae for Municipal Wastewater Treatment: A Futuristic Outlook toward Wastewater Management, **Clean Soil Air Water**, 1-18 (IF: 2.40)
13. Kapoor, S., Singh, M., Srivastava, A., Chavali, M., Chandrasekhar, K., **Verma, P***. (2021) Extraction and characterization of microalgae-derived phenolics for pharmaceutical applications: A systematic review **Journal of Basic Microbiology**, 1-12 (IF: 2.65)
14. Bhardwaj, N.; Kumar, Bikash, Agrawal, K.; **Verma, P***. (2021) Current perspective on production and applications of microbial cellulases: a review, **Bioresources and Bioprocessing**, 1-34, (IF: 4.98)
15. Goswami, R.K., Agrawal, K., **Verma, P***. (2021) Bioremediation of heavy metals from wastewater: a current perspective on microalgae-based future, **Letters in Applied Microbiology**, 1-21, (IF: 2.81)
16. Goswami, R.K., Agrawal, K., **Verma, P***. (2021) Phycoremediation of nitrogen and phosphate from wastewater using *Picochlorum* sp.: A tenable approach. **Journal of Basic Microbiology**, 1-16. (IF: 2.65)
17. Goswami, R.K., Agrawal, K., Meharayia, S., **Verma, P***. (2021) Current perspective on wastewater treatment using photobioreactor for *Tetraselmis* sp.: an emerging and foreseeable sustainable approach, **Environmental Science and Pollution Research**, 1-34, (IF: 5.19)
18. Agrawal, K. Gupta, V. K., & **Verma, P***. (2021) Microbial cell factories a new dimension in bio-nanotechnology: exploring the robustness of nature **Critical reviews in microbiology**, 1-23 (IF: 7.39)
19. Kashyap, S., Chandra, R., Kumar, B., **Verma, P.*** (2021). Biosorption efficiency of nickel by various endophytic bacterial strains for removal of nickel from electroplating industry effluents: an operational study. **Ecotoxicology**, 31(4):565-580.. (IF:2.93)
20. Mehmood, M.A., Shahid, A., Malik, S., Wang, N., Javed, M.R., Haider, M.N., **Verma, P.**, Ashraf, M.U.F., Habib, N., Syafiuddin, A. Boopathy, R., (2021). Advances in developing metabolically engineered microbial platforms to produce fourth-generation biofuels and high-value biochemicals. **Bioresource Technology**, p.125510. (IF: 11.89)
21. Dar, TUH., Dar, SA., Islam, SU., Mangral, ZA., Dar, R., Singh, BP., **Verma P**, Haque, S. (2021) Lichens as a repository of bioactive compounds: an open window for green therapy against diverse cancers, **Seminars in Cancer Biology**, 2021, DOI: <https://doi.org/10.1016/j.semcancer.2021.05.028> (IF: 17.01)
22. Mehariya, S., Goswami, R. K., **Verma, P.**, Lavecchia, R., & Zuurro, A. (2021). Integrated approach for wastewater treatment and biofuel production in microalgae biorefineries. **Energies**, 14(8), 2282. (IF: 3.25)
23. Mehariya, S., Goswami, R. K., Karthikeyan, O. P., & **Verma, P***. (2021). Microalgae for high-value products: A way towards green nutraceutical and pharmaceutical compounds. **Chemosphere**, 280, 130553. (IF: 8.94)
24. Agrawal, K., Chaturvedi, V., & **Verma, P***. (2021). Chicken feathers: a treasure cove of useful metabolites and value-added products. **Environmental Sustainability** <https://doi.org/10.1007/s42398-021-00160-2>
25. Kumar, B., Agrawal, K., **Verma, P***. (2021) Current Perspective and Advances of Microbe Assisted Electrochemical System as a Sustainable Approach for Mitigating Toxic Dyes and Heavy Metals from Wastewater, **ASCE's Journal of Hazardous, Toxic, and Radioactive Waste**. 25(2), p.04020082. (IF: 2.44)
26. Kumar, B., **Verma, P***. (2020) Life Cycle Assessment: Blazing a Trail for Bioresources Management. **Energy Conversion and Management X**, Elsevier 100063 (Cite score :4.6)
27. Kumar, B., **Verma, P***. (2020) Biomass-based biorefineries: An important archetype towards a circular economy. **Fuel**. Elsevier, 119622 (IF: 8.03)
28. Goswami, R.K., Mehariya, S., Karthikeyan, O.P., **Verma, P***. (2021) Advanced microalgae-based renewable biohydrogen production systems: A review. **Bioresource Technology**, 320:A, 124301, <https://doi.org/10.1016/j.biortech.2020.124301> (IF: 11.89)

29. Goswami, R.K., Mehariya, S., Verma, P*, Lavecchia, R., Zuorro, A.. (2021) Microalgae-Based Biorefineries for Sustainable Resource Recovery from Wastewater. **Journal of Water Process Engineering**. 40:101747 <https://doi.org/10.1016/j.jwpe.2020.101747> (IF: 7.34)
30. Agrawal, K., Shankar, J. and Verma, P*, (2020) Multicopper oxidase (MCO) laccase from *Stropharia* sp. ITCC-8422: an apparent authentication using integrated experimental and in silico analysis. **3 Biotech** 10:413. <https://doi.org/10.1007/s13205-020-02399-8> (IF: 2.96)
31. Agrawal, K., Shankar, J. Raj Kumar, and Verma, P*, Insight into multicopper oxidase laccase from *Myrothecium verrucaria* ITCC-8447: a case study using in silico and experimental analysis. **Journal of Environmental Science And Health, Part B** . <https://doi.org/10.1080/03601234.2020.1812334> (IF: 2.58)
32. Agrawal, K. and Verma, P*, (2020). Myco-valorization approach using entrapped *Myrothecium verrucaria* ITCC-8447 on synthetic and natural support via column bioreactor for the detoxification and degradation of anthraquinone dyes. **International Biodeterioration & Biodegradation**. 153(2020):1050521 <https://doi.org/10.1016/j.ibiod.2020.105052> (IF:4.90)
33. Agrawal, K., Verma, P. Production optimization of yellow laccase from *Stropharia* sp. ITCC 8422 and enzyme-mediated depolymerization and hydrolysis of lignocellulosic biomass for biorefinery application. **Biomass Conversion and Biorefinery** (2020). <https://doi.org/10.1007/s13399-020-00869-w> (IF: 4.05)
34. Kumar, B., Verma, P*, (2020). Enzyme mediated multi-product process: A concept of bio-based refinery. **Industrial Crops and Products**. 154(2020): 112607 <https://doi.org/10.1016/j.indcrop.2020.112607> (IF: 6.45)
35. Agrawal, K. and Verma, P*, (2020). Multicopper Oxidase Laccases with Distinguished Spectral Properties: A New Outlook. **Heliyon** (Cell Press) : 6(5):E03972 <https://doi.org/10.1016/j.heliyon.2020.e03972> (IF: 3.77)
36. Kumar, B., Bhardwaj, N., and Verma, P*, (2020). Microwave assisted transition metal salt and orthophosphoric acid pretreatment systems: Generation of bioethanol and xylo-oligosaccharides. **Renewable Energy**, 158: 574-584. <https://doi.org/10.1016/j.renene.2020.05.006>. (IF:8.63)
37. Bhardwaj, N., Kumar, B., Agrawal, K. and Verma, P*, (2020). Bioconversion of rice straw by synergistic effect of in-house produced ligno-hemicellulolytic enzymes for enhanced bioethanol production. **Bioresource Technology Reports**, 10:100352. <https://doi.org/10.1016/j.biteb.2019.100352> (Cite Score: 6.3)
38. Bhardwaj, N., Kumar B., Verma, P*.(2020) Microwave-assisted pretreatment using alkali metal salt in combination with orthophosphoric acid for generation of enhanced sugar and bioethanol. **Biomass Conversion and Biorefinery**. <https://doi.org/10.1007/s13399-020-00640-1> (IF: 4.05)
39. Bhardwaj N, Verma V, Chaturvedi V, Verma P*.(2020) Cloning, expression and characterization of a thermo-alkali-stable xylanase from *Aspergillus oryzae* LC1 in *Escherichia coli* BL21 (DE3)." **Protein Expression and Purification** 168:105551. <https://doi.org/10.1016/j.pep.2019.105551> (IF: 2.02)
40. Agrawal K, Verma P*. (2020). Potential removal of hazardous wastes using white laccase purified by ATPS-PEG-salt system: An operational study. **Environmental Technology & Innovation**. 17:100556 <https://doi.org/10.1016/j.eti.2019.100556> (IF: 7.76)
41. Kumar B., Bhardwaj N., Agrawal K., Chaturvedi V., Verma P*. (2020) Current perspective on pretreatment technologies using lignocellulosic biomass: an emerging biorefinery concept, **Fuel Processing Technology**. 199:106244. <https://doi.org/10.1016/j.fuproc.2019.106244> (IF: 8.12)
42. Agrawal K., Verma P*. (2019) Column bioreactor of immobilized *Stropharia* sp. ITCC 8422 on natural biomass support of *L. cylindrica* for biodegradation of anthraquinone violet R, **Bioresources Technology Reports** 8,100345, <https://doi.org/10.1016/j.biteb.2019.100345>. (Cite Score : 6.3)
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Patents

1. Process of production of high yield of biobutanol (European patent specification 23/08/2017, Application

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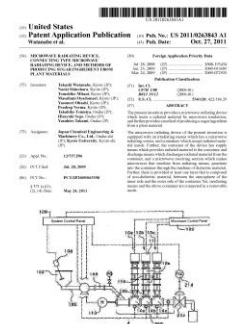


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no. 08869279.3, EP2238257 B1)

2. Procedimiento de alto rendimiento para la producción de biobutanol (*Spain 2017 ES2643605T3*)
3. Microwave irradiation device and method of manufacturing glycocomponent from plant materials (**South Korean Patent, 14/03/2016, KR101603362B1**)
4. Microwave irradiation device, linked microwave, irradiation device, and method of manufacturing glycocomponent from plant material (**Republic of Korea, 14/03/2016, KR1020110073432**).
5. Method Of Producing Sugar Ingredient from Plant Material (**Japan Patent, 12/06/2015, JP2014024024850**).
6. Microwave irradiation device, linked microwave, irradiation device, and method of manufacturing glycocomponent from plant material (**South Korea Patent, 14/03/2016, KR1020117004571A**).
7. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials (*US patent, 2011 US 2011/0263843 A1*).
8. Process for production of high yield of biobutanol (*US patent, 2010 US 2010/0279270 A1*)
9. Microwave irradiation device and method of manufacturing glycocomponent from plant materials (*World Patent Organization WO patent, 2010 WO/2010/013696*)
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13. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials (*European Patent, EU patent 2012 EP 2323 461 A1*)
14. Process for production of high yield of biobutanol European Patent (*EU patent 2012 EP2238 257*)
15. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials. (*Chineses Patent CN 101932716*)
16. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials (*Canada Patent, 2010, CA2739 A1*)
17. Process for production of high yield of biobutanol (*Canada Patent, 2010, CA 2710671 A1*)



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51. **Verma P***., Chaturvedi V. (2017) A Comparative Assessment of Autoclave and Microwave-Assisted Peroxometal Complex in Delignification of Wood Biomass for Enhanced Sugar Production. In: Pandey K., Ramakantha V., Chauhan S., Arun Kumar A. (eds) Wood is Good. Springer
52. Chaturvedi, V., Dhruw, C., & **Verma, P***. (2014). Microbial Transformation of Waste: A Clean Technology for Energy Generation by Employing Microbial Fuel Cell (MFC) - A Review Book Chapter in Biotechnological Application for Environmental Protection . Editor P.C. Abhilash Publisher: Springer

Conference Proceedings

1. Mai, C., **Verma, P.*** , Xie Y., Dyckmans, J., & Militz, H. (2009), Mode of action of DMDHEU treatment against wood decay by white and brown rot fungi In England F., Hill, C.A.S. Militz H. Segerholm, B.K. (Hg) **Proceeding of the IV European Conference on Wood Modifications (ECWM)** Stockholm, Sweden 4552,
2. **Verma, P*** ., Mai, C., Krause, A., & Militz, H. (2005) Studies on the Resistance of DMDHEU treated Wood against White-rot and Brown-rot fungi IRG/WP document 05-10566, Swedish Society.
3. Nerud F., Baldrian P., Gabriel J., **Verma, P*** Shah, V., Tomás Cajthaml Ivana Eichlerová, Merhautova V., Trnka T., Stopka P., (2003) The use of radicals generating reactions for the degradation of pollutants. Seventh International Symposium, Orlando, Florida in Situ and on-Site Bioremediation ISBN 1-57477139-6.
4. Gabriel J., Nerud F., Baldrian P., **Verma, P*** Tomás Cajthaml Ivana Eichlerová, Ilko Stoytchev, Tomás Trnka, Martin Hrubý and Milan Benes., (2003) Degradation of Aromatic Compounds by radicals-generating systems, Seventh International Symposium, Orlando, Florida in Situ and on-Site Bioremediation, ISBN 1-57477-139-6, Published by Battelle Press, Columbus, Indexed
5. Nerud F., Baldrian P., Gabriel J., Shah V., **Verma, P*** , (2002). Poster presented at International Union of Microbiological Societies World Congresses entitled. "Involvement of Reactive Oxygen species in the Degradation of Synthetic Dyes" Xth International congress of Bacteriology and Applied Microbiology (IUMS) Organized by Societies of Microbiology France, Paris, (B 643) page No 216, 27 July to 1 August.

Participated Symposia, Conferences & Trainings

1. Verma, P.* An Integrated approach for bioprospecting of fungi and its application using enzyme cocktail in biorefinery. **Invited as Delivery Keynote** in International conference on "Biotechnology and Human Welfare: Vision 2030 and Beyond (ICBHW-2023) held on 03-04 March, 2023 at Department of Biotechnology, Chaudhary Devi Lal University, Sirsa, Haryana, India
2. Verma, P.* Myco-valorization approach using column bioreactor of immobilized Myrothecium verrucaria ITCC-8447 and Stropharia sp. ITCC 8422 on synthetic/natural support system for detoxification and degradation of anthraquinone dyes. **Invited as Delivery Keynote** on AMI "Microbes and Society: Current Trends and Future Prospects (MSCTFP-2022) Association of Microbiologist of India, India, held on University of Mysuru, India.

Pradeep Verma Curriculum Vitae

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- Mudaliar, S., Agrawal, K., Kumar, B., and Verma, P.* Lytic polysaccharide monoxygenase: A powerful tool in biofuel generation. 3rd International Conference on Bioprocess for Sustainable Environment and Energy, held on 20th-24th June 2022 at NIT, Rourkela, Odisha
- Nair, L.G., Agrawal, K., Kumar, B., and Verma, P.* Exploration of microwave-assisted organosolv pretreatment for the bioconversion of Lignocellulosic Biomass. 3rd International Conference on Bioprocess for Sustainable Environment and Energy, held on 20th-24th June 2022 at NIT, Rourkela, Odisha
- Kumar, B., Bhardwaj, N., Agarwal, K., and Verma, P.* Development of Single-Step Integrated Biorefinery using Synergistic Action of Ligno-hemicellulolytic Enzymes in Efficient Bioconversion of Rice straw. **Invited Planery Speaker** 3rd International Conference on Bioprocess for Sustainable Environment and Energy, held on 20th-24th June 2022 at NIT, Rourkela, Odisha
- Kumar, B., Bhardwaj, N., Verma, P. Development of efficient transition metal salt assisted pretreatment and enhanced fungal cellulolytic and xylanolytic enzyme production-purification process for future integrated biorefinery application. **Invited Plenary Speaker** at 7th International Conference on Biomass, Held on Apr. 8-9, 2022 Organised by Biomass Energy Committee of China Renewable Energy Society (CRES), Biomass Energy Innovation Alliance and Xiamen University, and will be co-organized by AIChE Forest Bioproducts Division, European Biomass Industry Association, Chinese Renewable Energy Industries Association (CREIA).
- Verma P.** Kumar B., Bhardwaj, N., and Alam, A., Bioprospecting of Fungi from ecological niches of Assam: Reservoirs of industrially relevant biomolecules. **Prof. P. C. Jain Memorial Award Lecture** at National Conference on Mycology and Mankind: Marching ahead in the new era and 48th Annual Meeting of the Mycological Society of India held on, 8th March 2022. at ICAR Research Complex for NEH Region Umiam, Meghalaya.
- Kumar, B., Bhardwaj, N., **Verma, P.***. Devising a microwave-assisted alkali/transition metal salts pretreatment strategy for enhanced ethanol and oligosaccharides production from rice straw. Invited talk by Dr. Kumar at 2nd International Workshop on Sustainability of Environmental Technologies and Production Processes. 26th November 2021, Organised By: Asociación de Biotecnología, Ingeniería Ambiental y Energías Renovables, (ABIAER), Mexico City, Mexico. **(Corresponding Author)**
- Goswami, R.K., and **Verma, P.** Strategies to augment biomass and biomolecules productivity of diverse microalgae strains using different carbon source, at Green and Sustainable Chemistry Conference, 16-18, November 2021, online – Live and On-demand, Elsevier,
- Verma, P.** GH10 XynF1, Predominant Xylanase in *Aspergillus oryzae* ITCC- 8571 proteome: Its Cloning, Expression, and Characterization for Biorefinery Application, **Invited Planery Speaker**, 4th National Conference on Cellular and Molecular Biology & Biotechnology Oct 28th – 29th, 2021, Sharda University, New Delhi
- Goswami, R.K., and **Verma, P.** Microalgal heterotrophic and mixotrophic culturing: An assessment using carbon source for biomolecules production, Poster Presentation at International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Biotech Research Society, India (BRSI) 04-08, April 2021, Jaipur India
- Verma, P.**, Kumar, B., Agrawal, K., and Bhardwaj, N. Integrated Bioprocess Development: Key to Circular Bioeconomy, **Invited Planery Speaker** International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Biotech Research Society, India (BRSI) 04-08, April 2021, Jaipur India
- Verma P.** Kumar B., Bhardwaj, N., and Agrawal, K., Bioprospecting of Fungi: A Bio-logic Solution. **MSI-Fellow Award Lecture** at National Conference on Biodiversity and Biotechnology of Fungi and 47th Annual Meeting of Mycological Society of India held on February 22-24, 2021 at Botany Department, Punjabi University, Patiala
- Verma P.** Kumar B., Bhardwaj, N., and Agrawal, K., Lignocellulosic Biomass valorization: Role of alkali assisted microwave pretreatment. **Invited Planery Speaker** at Fifth International Online Conference on Reuse and Recycling of Materials (Polymers, Wood, Paper, Leather, Glass, Metals, Ceramics, Semi Conductors, Water etc) and their products (ICRM 2020) 11th 13th December 2020 Kottayam, Kerala, India
- Verma P.** Session chair at Fifth International Online Conference on Reuse and Recycling of Materials (Polymers, Wood, Paper, Leather, Glass, Metals, Ceramics, Semi Conductors, Water etc) and their products (ICRM 2020) 11th 13th December 2020 Kottayam, Kerala, India

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16. **Verma, P. Speaker of Eminence** on “Tools for future Industrial bioprocessing: Fermentation and Downstream Processing”. Workshop on Fermentation Technology. E-Refresher Course 21st Century The Era of Biotechnology, September 17-18, 2020, APS University, Satna (MP), India.
17. **Verma, P. Invited Plenary Lecture** on “Lignocellulosic Biorefinery: An understanding of biomass pretreatment and role of enzymes in generation of value-added products”. Xiamen Forum on Biomass Frontiers 2018, October 19-22, 2018, Xiamen University International Academic Exchange Centre (Xiang'an Campus) **Xiamen, China.**
18. Bhardwaj, N., **Verma, P.** Aqueous Two-Phase Extraction of Fungal Xylanase in PEG/Sulphate System: Optimization Using Response Surface Methodology, BioSpectrum 25-26 August, 2017, UEMI, Kolkata
19. Agrawal, K., **Verma, P.** Substrate Affinity of Laccase and Discrepancy in Relation to Enzyme Activity, BioSpectrum 25-26 August, 2017, UEMI, Kolkata.
20. Kumar, B., **Verma, P.** Optimization of Microwave-Assisted Pretreatment of Rice Straw with FeCl₃ in Combination with H₃PO₄ for Improving Enzymatic Hydrolysis. BioSpectrum 25-26 August 2017, UEMI, Kolkata.
21. Bhardwaj, N., Kakoli Chanda, Himanshu Prasad, Venkatesh Chaturvedi, Gauri Dutt Sharma, Renu Bhatt and **Pradeep Verma.** Production and Optimization of Xylanase from *Aspergillus oryzae* (LC1) using OFAT and RSM MSI, NCFB-2016, Nov 16-18, BISR Jaipur.
22. Komal Agrawal and **Pradeep Verma.** Laccase a “Green Tool” from various ecological niches of Rajasthan MSI, NCFB-2016, Nov 16-18, BISR Jaipur.
23. Bikash Kumar and **Pradeep Verma.** Fungal Assisted Microwave Pretreatment of Rice Straw for Enhanced Enzymatic Hydrolysis. MSI, NCFB-2016, Nov 16-18, BISR Jaipur.
24. Komal Agrawal, **Pradeep Verma,** Bio-composite: A Clean Approach using Fungal Assisted synthesis. MSI, MSI, ETFPP- 2015, BHU, Varanasi, India
25. Bikash Kumar, **Pradeep Verma** Microwave assisted pretreatment of rice straw with FeCl₃ in combination with orthophosphoric acid for improving enzymatic hydrolysis. AMI, 7-10, December, 2015, JNU, New Delhi, India
26. Nisha Bhardwaj, Kakoli Chanda, Himanshu Prasad, Venkatesh Chaturvedi, Gauri Dutt Sharma, Renu Bhatt, **Pradeep Verma.** Optimization of Xylanase Production in *Aspergillus oryzae* Using Different Agro-waste by Response Surface Methodology NHBT 2015 Nov.22-25,2015 Trivendrum.
27. Ansar Alam, Kakoli Chanda, Himanshu Prasad, Venkatesh Chaturvedi, Gauri Dutt Sharma, Renu Bhatt, **Pradeep Verma.** Synthesis and Identification of Some Important Bioactive Molecules Produced by a Strain of *Aspergillus Oryzae* Isolated from Assam NHBT 2015 Nov.22-25,2015 Trivendrum.
28. Ansar Alam, Kakoli Chanda, Himanshu Prasad, Venkatesh Chaturvedi, Gauri Dutt Sharma, Renu Bhatt **Pradeep Verma.** Optimization of Cellulase Production from a Strain of *Schizophyllum commune* by OFAT Approach using Wheat Bran as Substrate, NHBT 2015 Nov.22-25,2015 Trivendrum
29. Komal Agrawal, Venkatesh Chaturvedi, and **Pradeep Verma.** Exploitation of laccase for bio-composites synthesis and dye degradation NHBT 2015 Nov.22-25,2015 Trivendrum
30. Bikash Kumar, **and Pradeep Verma.** A comparative study of Lignocellulosic biomass pre-treatment for production of bio fuel and value added product ICRA BR-201514th to 17th March, 2015 at MNRE Kapurthala, Punjab
31. **Pradeep Verma, Venkatesh** Chaturvedi, Supriya Dhruv Biodegradation of Malachite green by novel copper tolerant *Ochrobactrum pseudogrignonsense* strain GGUPV1 isolated from copper mine waste ICETB-20146th to 9th Nov, 2014 at JNU Delhi
32. Nisha Bhardwaj, & **Pradeep Verma** Isolation of potential Cellulase and Xylanase producing fungal strains from selected areas of Assam waste ICETB-20146th to 9th Nov, 2014 at JNU Delhi
33. **Pradeep Verma** Role of peroxometal complex in delignification of wood biomass for enhanced sugar production. International Conference: Wood Is Good: Current Trends And Future Prospects In Wood Utilization 21st to 23rd Nov, 2014 Indian Institute of Wood Science Technology, Bengaluru
34. **Pradeep Verma,** and Venkatesh Chaturvedi Generation Of Electricity Through Metabolism Of Chicken Feathers By *Pseudomonas aeruginosa* In A Microbial Fuel Cell (MFC) International symposium on – FDMIR-2013(AMI-2013) 17th to 20th Nov, 2013 at MD University, Rohtak
35. Humaira Sheikh, Kanisk Jaiswal, Ravi Shankar, Venkatesh Chaturvedi, K. Kesvan, Renu Bhatt, **Pradeep Verma.** Antibacterial/antialgal properties of Silver Nanoparticles (SNP) synthesized by chemical reduction

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method accepted for presentation in Annual International Interdisciplinary Conference on 24-26 April 2013 at University Azores Portugal

36. Humaira Sheikh, Venkatesh Chaturvedi, **Pradeep Verma**. (2013) Generation of Biomass and Bioelectricity from Cultures of Cyanobacteria by Employing Microbial Fuel Cells algae biofuels and products international conferences 2013 Toronto
37. Anamika Pandey, Venkatesh Chaturvedi, **Pradeep Verma**. Optimization of Xylanase Production by *Apergillus niger* by Employing Various Agrowastes National Conference in Science College in Bilaspur
38. Humaira Sheikh, Kanisk Jaiswal, Ravi Shankar, Venkatesh Chaturvedi, K. Kesvan, Renu Bhatt, **Pradeep Verma**. Synthesis of Silver Nanoparticles (AgNP) through chemical reduction method and evaluation of its antialgal activity on two common cyanobacteria DBT sponsored National Seminar on Advances in Molecular Pharmaceutics, Nanomedicine, Nanobiotechnology and Drug Research at Columbia College of Pharmacy Raipur
39. Maya Vaishnav, **Pradeep Verma** Determination of antioxidant activity of commercial honey and flowers National Symposium on Plant Biology and its Role in Sustainable Food and Energy Production Organized By Department of Botany 2012 GGV Bilaspur
40. Monika Chandravanshi, Manoj Rahangdale, **Pradeep Verma**. A Novel attached Culture Method for Treatment of Copper Industry Wastewater National Symposium on Plant Biology and its Role in Sustainable Food and Energy Production Organized By Department of Botany 2012 GGV Bilaspur
41. **Pradeep Verma** National seminar on INSPIRE-2010, Department of Science & Technology, Ministry of Science & Technology and Government of India, organized by Assam University, Silchar-788011
42. **Pradeep Verma** National workshop of GCMS 2010 Organised by Department of Life Sciences, Assam University Silchar-788011.
43. **Pradeep Verma** National seminar on 'Sustainable Livelihood Development through Fruits and Vegetables Processing in the North eastern India', 2010, Assam University, Silchar, Organised by Department of Agricultural Engineering, School of Technology, Assam University, Silchar-788011. Sponsored by Ministry of Food Processing Industries, Government of India.
44. **Pradeep Verma**, C Mai, Y Xie, J Dyckmans, H Miltz, (2009) Mode of action of DMDHEU treatment against wood decay by white and brown rot fungi European conference on wood modification (ECWM), April 27-29, 2009 Stockholm, Sweden
45. **Pradeep Verma**, Watanabe, T. (2009) Current Status of Biofuels Policy and their Technological Development in India Global COE conference March 11-13, 2009 Kyoto, Japan
46. **Pradeep Verma**. (2008) Biofuels and Future Challenges JSPS Science dialogue, Ritsumikan Senior Science High School, 15, July, 2008, Kyoto, Japan
47. **P Verma**, C Mai, A Krause, H Miltz. 2005, Studies on the Resistance of DMDHEU Treated Wood against White-rot and Brown-rot fungi oral presentation at IRG Conference (Recipient of Ron Cockcroft Award), Bangalore, India
48. **Pradeep Verma**, Dutta Madamwar. Participated in the International symposium on New Horizons in Biotechnology, (NHBT 2001) presented the poster entitled, Production of Ligninolytic Enzymes by Co-cultivation of *P. ostreatus* and *P. chrysosporium* for Textile Dyes, Decolorization. Organized by Council of Industrial Research (CSIR) Trivandrum, India
49. **Pradeep Verma**, Dutta Madamwar. Participated in 41st Association of Microbiology of India (India), Presented the poster entitled "Decolorization of Synthetic dyes by *Phanerchatete chrysosporium*, Jaipur, India
50. **Pradeep Verma**, Dutta Madamwar. Participated in Mycological Society of India (MSI), Presented the poster entitled "Production of ligninolytic enzymes by Co-cultivation of Different White Rot Fungi for Faster Degradation of Neem Hull Waste" Vallabh Vidyanagar, Gujarat India
51. **Pradeep Verma**, Dutta Madamwar. Participated in UGC-DSA Sap Symposium, Presented the poster entitled "Decolorization of Various Synthetic dyes by White Rot Fungus *P. chrysosporium*" Department of Bioscience Vallabh Vidyanagar-388120, Gujarat, India
52. **Pradeep Verma**, Participated in 2nd International Symposium on Molecular biology, Biotechnology and Allergy, Organized by Sun Pharma Advance Research Center, University of Buffalo NewYork and Indian Allergy Institute, Baroda, Gujarat, India
53. **Pradeep Verma**, Dutta Madamwar, Participated in 41st Association of Microbiology of India (India),

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Presented the poster entitled “Decolorization of Synthetic dyes by *Phanerchatete chryso sporium*, Jaipur, India

54. Participated in Scanning Electron Microscope Workshop, at Uppsala Sweden, (2005)
55. Participated in Training on High Performance Thin Layer Chromatography (HPTLC), Organized by Cammag Switzerland, Mumbai, India (2001)
56. Participated in Workshop on Recent Technique in Electrophoresis, organized by Spinco Biotech Limited India, Yercaud, Tamilnadu, India (2000)

Subject Area Expert Reviewer

Reviewer/Evaluator of Research Proposal for Different National and International funding Agency

- ✚ Department of Biotechnology (DBT), Ministry of Science and Technology, New Delhi, India
- ✚ Department of Science and Technology (DST), Ministry of Science and Technology, New Delhi, India
- ✚ The European Science Foundation”, Luxembourg
- ✚ King Fahd University of Petroleum & Minerals (KFUPM), Saudi Arabia



Reviewer of Peer reviewed Journals

1. 3Biotech
2. Annals of Microbiology
3. Applied Biochemistry and Biotechnology
4. Applied Microbiology
5. Biodiversitas Journal of Biological Diversity
6. BioEnergy Research
7. Biomass Conversion and Biorefinery
8. Bioremediation Journal
9. Bioresource Technology
10. Bioresource Technology Reports
11. Bioresources
12. Biotechnology for Biofuels
13. Biotechnology Progress
14. Biotechnology Reports
15. Carbohydrate Polymers
16. Cellulose
17. Chemistry Letters
18. ChemistrySelect
19. Chemosphere
20. Chemical Papers
21. Energy & Fuels
22. Energy Conversion and Management
23. Energy Technology
24. Engineering in Life Sciences
25. Enzyme and Microbial Technology
26. Folia Microbiologica
27. Frontiers in Microbiology
28. Frontiers in Nanotechnology
29. Fuel Processing Technology
30. Industrial Crops and Products
31. International Biodeterioration & Biodegradation
32. Journal for Cleaner Production
33. Journal of Basic Microbiology
34. Journal of Biotechnology
35. Journal of Environmental Chemical Engineering
36. Journal of Food Science and Technology
37. Journal of Hydrogen Energy
38. Journal of Water Process engineering
39. PlosOne
40. Polish Journal of Microbiology
41. Process Biochemistry
42. Protein Expression and Purification
43. Renewable and Sustainable Energy Reviews
44. Renewable Energy
45. Science of the Total Environment
46. Scientific Reports
47. Sugar Tech
48. Waste Management

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Reviewer of Book Proposal

Springer

Elsevier

CRC-Press

