

CURRICULUM VITAE

Mrs. Madhavi Tiwari,

T-7 Sai Vatika, Devpuri

Raipur, C.G. - 492001

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Personal Profile:

Husband's Name: Mr. Nishant Pandey

Date of Birth : 08/10/1987

No. of children : 02



Educational Qualification:

- Ph. D (**Thesis submitted**) in Biotechnology from MATS University, Raipur (C.G.).
- Master of Science in Biotechnology, with 69.89% from Pandit Ravishankar Shukla University, Raipur (C.G.).
- Bachelor of Science (Biotechnology), with aggregate 68.44% from Govt. Kaktiya P.G. College, Jagdalpur (C.G.), affiliated to Pt. Ravishankar Shukla University, Raipur, (C.G.).
- Higher Secondary School Certificate Exam. (HSSCE) with 66% from Chhattisgarh Board of Secondary Education, Raipur (C.G.).
- High School Exam with 73.33% from Chhattisgarh Board of Secondary Education, Raipur (C.G.).

AWARD:

- Awarded for **YOUNG RESEARCHER AWARD 2022 by InSc, Institute of Scholars.**
- Awarded for the first best poster award in the National Seminar on "Ethnomedicine and New Drug Discovery: Opportunities and Challenges" during April 10-11, 2015 at S.L.T institute of pharmaceutical sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G.

Research & Academic Contribution

(i) Research Papers published in Refereed Journals with any impact factor.

S.N.	Title with page no.	Journal	ISSN/ ISBN No.	Whether peer reviewed/ impact factor, if any	No. of Co- auth ors	Whether you are the main author
1.	A Comparative study of Hygienic status of Butchers and Identify bacteria among the Slaughters of Meat, Chicken and Fish Markets of Jagdalpur city, Chhattisgarh, India. pp. 16-24	International Research Journal of Biological Sciences	ISSN 2278- 3202	Yes, Peer reviewed with cosmos Impact factor: 4.185 (2018)	03	No 2 nd author
2.	PHYSICO-CHEMICAL AND MICROBIAL ANALYSIS OF TWO POND SYSTEMS OF JAGDALPUR CITY, C.G, INDIA. pp. 1842-1860	Journal of Global Biosciences	ISSN 2320- 1355	YES, International peer reviewed with global Impact factor: 0.676	03	No 2 nd author
3.	TRIBAL TREATMENT OF JAUNDICE TRADITIONALLY THROUGH SARGI CHAPDA IN BASTAR, C.G, INDIA. pp. 875-880	International Journal of Pharmacy	ISSN 2249- 1848	Yes, Peer reviewed with Impact factor: 3.926 (2013)	03	No 2 nd author
4.	Isolation, Screening and Identification of Hydrocarbon Degrading Potential of Indigenous Fungus from Oil Contaminated Soil of Modha Para Automobile Shop of Raipur, C.G.pp. 782-795	International Journal of Advance Research in Science and Engineering	ISSN 2319- 8354	YES, International peer reviewed with Impact factor: 6.1	02	Yes
5.	Pigment Extraction Methods from Fungi for Industrial Appilcations: A Review. Pp. 875-881	International Journal of Advance Research in Science and Engineering	ISSN 2319- 8354	YES, International peer reviewed with Impact factor: 6.1	03	No 2 nd author
6.	Rapid Shoot Proliferation of Woodfordia fruticosa (L) Kurz in Liquid Shake Culture System. pp. 577-588	International Journal of Advance Research in Science and Engineering	ISSN 2319- 8354	YES, International peer reviewed with Impact factor: 6.1	03	Yes

7.	Synthesis, Optimization of Physico-chemical Parameters, Characterization and Antibacterial Activity of Biochemically Synthesized Silver Nanoparticles (AgNps) Using Aloe Vera Gel Extract. Pp. 563-576	International Journal of Research and Analytical Reviews (IJRAR)	ISSN 2348-1269	YES, International peer reviewed with Impact factor: 5.75	05	No 3 rd author
8.	Comparative in vitro assessment of hydrocarbon degradation potential of <i>Pleurotus ostreatus</i> MP5 and <i>Pleurotus ostreatus</i> MTCC 1804. Nature Environment and Pollution Technology 19, no.1 (2020): 41-56	Nature Environment and Pollution Technology (SCOPUS INDEXED UGC approved Journal)	ISSN 2395-3454	Yes, Peer reviewed with ISI Journal Impact factor: 2.236 (2018)	03	Yes
9.	Standardization of Used Engine Oil Concentration for Analysis of Biodegradation Potential of <i>Pleurotus</i> sp. MP 5 MCC 1815- A Scanning Electron Microscope Based Analysis (Paper accepted)	ECOLOGY, ENVIRONMENT AND CONSERVATION Web of Science, Under UGC care list)	0971 - 765 X	yes	03	Yes

(ii) Book chapters:

S.No	Title with page no.	Book	ISSN/ ISBN No.	Whether peer reviewed/ impact factor, if any	No. of Co-authors	Whether you are the main author
1.	Mycoremediation of Petroleum Hydrocarbon Contaminants: An Overview	"Advances in Microbiology Volume I"	ISBN: 978-93-91768-60-7	yes	03	Yes

(ii) Conference Proceedings as full papers etc.

S.N.	Title with page no.	Details of conference publications	ISSN/ ISBN No.	No. of Co-authors and date of publication	Whether you are the main author
1.	Isolation, Screening and Identification of Hydrocarbon Degrading Potential of Indigenous Fungus from Oil Contaminated Soil of Modha	9 th "International Conference on Science, Technology and Management (ICSTM-17). Date: 14 th October 2017.	ISBN: 978-93-86171-71-9	02	Yes

	Para Automobile Shop of Raipur, C.G pp. 46-59				
2.	Pigment Extraction Methods from Fungi for Industrial Applications: A Review. pp. 149-155	9 th "International Conference on Science, Technology and Management (ICSTM-17). Date: 14 th October 2017.	ISBN: 978-93-86171-71-9	03	No
3.	Rapid Shoot Proliferation of Woodfordia fruticosa (L) Kurz in Liquid Shake Culture System. pp 1-12	6 th International Conference on "Latest Innovations in Science, Engineering and Management" ICLISEM-2017. Date: 12 th November 2017	ISBN: 978-93-86171-76-4	03	Yes

(iii) Training courses/ Conference/ Seminar/ Workshop

S.N.	Type of training courses/ conference etc (such as refresher courses/ methodology workshop soft skill development/Faculty Development Program etc.	Duration	Organized by
1.	National Seminar On "TRADITIONAL AND TRIBAL KNOWLEDGE OF INDIA AND ITS RELEVANCE IN PRESENT SCENARIO TTKI"-2015.	Two days (6 th -7 th February, 2015)	Department Of Botany, GOVT. KAKTIYA P.G. COLLEGE, JAGDALPUR, DIST. BASTAR C.G.
2.	International Seminar On "Emerging Trends In Information Technology and APPLIED Science"-2015.	Three days (28 th to 30 th March, 2015)	School of Information Technology and School of Life Science, MATS University, Raipur, C.G.
3.	National Seminar on "Ethnomedicine and New Drug Discovery: Opportunities and Challenges"- 2015.	Two days (10 th -11 th April, 2015)	S.L.T institute of pharmaceutical sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G.
4.	National Seminar on " TRADITIONAL AND FUTURISTIC EXPLORATIONS OF BIOLOGICAL AND CHEMICAL SCIENCES (TFEBCS)	Two days (11 th -12 th March, 2016)	MATS School of Biological and Chemical Sciences, MATS University, Raipur, C.G.

5.	National Seminar on "Advance Technique in Medical Microbiology" (ATMM 2016)	Two days (08 th -09 th September 2016)	Department of Microbiology, Shri Shankaracharya Mahavidyalaya Junwani, Bhilai, C.G.
6.	NATIONAL WORKSHOP ON " Global Health Challenges of Fungal Disease, Diagnosis and its Applications: an Emerging Issue of Life Sciences.	Two days (27 th -28 th February, 2017)	Department of Botany, Netaji Subhash Chandra Bose, Govt. Girls College, Seoni, M.P.
7.	National Seminar on "INNOVATIVE RESEARCH IN BIOLOGICAL & CHEMICAL SCIENCES BIO-CHEM 2017.	One day (4 th March 2017)	MATS School of Biological and Chemical Sciences, MATS University, Raipur, C.G.
8.	NATIONAL CONFERENCE ON "IMPACT OF GLOBAL WARMING ON BIODIVERSITY AND ITS CONSERVATION: PRESENT STATUS AND FUTURE STRATEGY" 2017	Two days (6 th -7 th March 2017))	Department of Botany, Netaji Subhash Chandra Bose, Govt. Girls College, Seoni, M.P.
9.	National CME (Continuing medical education) on STEM CELL AND IT'S APPLICATION. 2017	One day (12 th April 2017)	Department of Anatomy. Raipur Institute of
10.	Workshop on " Discovery of Potential Bioactive Compounds from Local Botanical Resources- Invitro Studies to Drug Designing" 2017.	Four days (28 th August – 31 st August 2017)	School of Biological and Chemical Sciences, MATS University, Raipur, C.G.
11.	9 th "International Confrence on Science, Technology and Management (ICSTM-17).	One day 14 th October 2017.	Indian Federation of United Nations Associations (IFUNA)
12.	6 th International Confrence on "Latest Innovations in Science, Engineering and Management "ICLISEM-2017.	One day (12 th November 2017)	Indian Federation of United Nations Associations (IFUNA)
13.	NATIONAL WORKSHOP on "PLANT MOLECULAR TECHNIQUES & PHYTO-CHEMISTRY" 2018.	Seven days (6 th January – 12 th January 2018)	Department of Biotechnology. Swami Shri Swaroopanand Saraswati Mahavidyalaya Hudco, Bhilai, (C.G.)
14.	NATIONAL SEMINAR ON "PROGRESSIVE RESEARCH IN BIOLOGICAL AND CHEMICAL SCIENCES (NSPRBCS) BIO-CHEM 2018".	Two days 24 th -25 th August	MATS School of Biological and Chemical Sciences, MATS University, Raipur, C.G.

15.	National conference on "RECENT ADVANCES & TRENDS IN BIOTECHNOLOGY 2020"	Two days 10-12 January	Pt. Ravishankar Shukla University, Raipur, C. G.
16.	7 days National e- workshop on "MUSHROOM PRODUCTION AND POST HARVESTING TECHNOLOGY 2021"	7 days 5-11 May	GOVT. N.P.G. COLLEGE OF SCIENCE, RAIPUR (C.G)

(ii) Papers presented in Conferences, Seminars, Workshops, Symposia

S.N.	Title of paper presented	Title of Conference/ Seminar etc.	Date of event	Organized by	Whether International/ National/ State/Regional/ University or College level
1	TRIBAL TREATMENT OF JAUNDICE TRADITIONALLY THROUGH SARGI CHAPDA IN BASTAR & ITS RELEVANCE IN PRESENT SCENARIO.	"TRADITIONAL AND TRIBAL KNOWLEDGE OF INDIA AND ITS RELEVANCE IN PRESENT SCENARIO TTKI"-2015.	6 th -7 th February, 2015	Department Of Botany, GOVT. KAKTIYA P.G. COLLEGE, JAGDALPUR, DIST. BASTAR C.G.	National Seminar
2.	Rapid Shoot Proliferation of <i>Woodfordia fruticose</i> ... A Medicinal Shrub	" TRADITIONAL AND FUTURISTIC EXPLORATIONS OF BIOLOGICAL AND CHEMICAL SCIENCES (TFEBCS)"	11 th -12 th March 2016	MATS School of Biological and Chemical Sciences, MATS University, Raipur, C.G	National Seminar
3.	Isolation, Screening and Identification of Hydrocarbon Degrading Potential of Indigenous Fungus from Oil Contaminated Soil of Modha Para Automobile Shop of Raipur, C.G	9 th "International Conference on Science, Technology and Management (ICSTM-17).	14 th October 2017	Indian Federation of United Nations Associations (IFUNA)	International Conference
4.	Pigment Extraction Methods from Fungi for Industrial Applications: A Review.	9 th "International Conference on Science, Technology and Management (ICSTM-17).	14 th October 2017	Indian Federation of United Nations Associations (IFUNA)	International Conference

5.	Rapid Shoot Proliferation of <i>Woodfordia fruticosa</i> (L) Kurz in Liquid Shake Culture System.	6 th International Conference on “ Latest Innovations in Science, Engineering and Management “ ICLISEM-2017.	12 th November 2017	Indian Federation of United Nations Associations (IFUNA	International Conference
6.	Hydrocarbon Degrading Potential of <i>Tricophyton tonsurans</i> and <i>Aspergillus flavus</i> from soil contaminated soil of Raipur.	NATIONAL SEMINAR ON “PROGRESSIVE RESEARCH IN BIOLOGICAL AND CHEMICAL SCIENCES (NSPRBCS) BIO-CHEM 2018”.	24 th -25 th August 2018	MATS School of Biological and Chemical Sciences, MATS University, Raipur, C. G	National Seminar
7.	Comparative in vitro assessment of hydrocarbon degradation potential of <i>Pleurotus ostreatus</i> MP 5 and <i>Pleurotus ostreatus</i> MTCC 1804	National conference on “RECENT ADVANCES & TRENDS IN BIOTECHNOLOGY 2020”	Two days 10-12 January	Pt. Ravishankar Shukla University, Raipur, C. G.	National Seminar

Teaching experience

- One year experience as Assistant Professor in Biotechnology at Christ College, Jagdalpur (C.G.).
- Worked as Guest Lecturer in Biotechnology for three (3) years at Govt. Kaktiya P.G. College, Jagdalpur (C.G.).
- Worked as a Guest lecturer for one year at the School of Studies in Biotechnology, Bastar Vishwavidyalaya, Jagdalpur (C.G.), since 17/05/2014 till 13/07/15.

UG teaching: 3 years

PG teaching: 2 years

Research Guidance:

M.Sc. Dissertation:

1. Shivani Parihaar Isolation and Identification of Pathogenic bacteria present in different wards of Mahrani Hospital of Jagdalpur city, C.G, India.

Academic experience:

1. Worked as an editor in “**COVID 19: Impact and Response Volume VIII**”, first edition 2022 under Bhumi Publications.
2. Has been recognized as **LMINSC**, Life Member of InSc, Institute of Scholars which act as **Professional Member** of InSc International Publishers (IIP) in recognition of professional standing.
3. Has been recognised as a **REVIEWER** for INSC International Journal under the stream: **Basic and Medical Sciences**.

Technical skills:

Biochemistry Qualitative and Quantitative analysis of sugars, Estimation of Serum proteins, Blood glucose, Urea, Cholesterol, SDS PAGE, Protein purification techniques.

Biophysical & Biochemical Techniques:

- Chromatographic techniques - (Paper & Thin layer)
- Electrophoretic Techniques - (Agarose & PAGE)
- Centrifugation techniques - (Table top & Cooling Centrifuge)
- Immunological techniques - (ELISA, ODD, RID, Rocket& immune electrophoresis)
- Spectroscopic techniques - (Ultra violet / Visible, FTIR, SEM)
- Molecular biology techniques - (Separation of Nucleic Acid, restriction digestion)

Microbiological techniques : Sterilization and Isolation of microbes; Differential and general staining techniques.

Plant Tissue Culture Techniques: Micro propagation, embryo culture, callus culture, etc.

Mushroom culture Techniques: Artificial culture of mushrooms.

Computer skills : Microsoft word, excel, power point, familiar to internet surfing.

DECLARATION

I hereby declare that all the above information is true and correct to the best of my knowledge.

Dated : 22/04/2022

Place : Raipur, C.G

Madhavi Pandey,

