

Curriculum Vitae



Name: Nagendra Kumar Chandrawanshi
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Research GATE: <https://www.researchgate.net/profile/Nagendra-Chandrawanshi/research>

Google Scholar: <https://scholar.google.co.in/citations?user=ICJ35fgAAAAJ&hl=en>

Scopus profile : <https://www.scopus.com/authid/detail.uri?authorId=57214988532>

Vidwan Profile: <https://vidwan.inflibnet.ac.in/profile/328400>

Academic Records:

1) **Ph.D. Biotechnology** (2014): from S.o.S in Biotechnology; Pt. Ravishankar Shukla University, Raipur (CG.)

Title of the Thesis: **Micropropagation of an Endangered Medicinal Plant Glory Lily (*Gloriosa superba* L.)**

2) **M. Phil. Biotechnology** (2009): **76.67 %** from S.o.S in Biotechnology; Pt. Ravishankar Shukla University, Raipur.

Title of the Dissertation: **Studies of the Minimum Inhibitory Concentration (MIC) of *Penicillium* species**

3) **M.Sc. Biotechnology** (2008): **67.71 %** from S.o.S in Biotechnology; Pt. Ravishankar Shukla University, Raipur

Title of the Project: **Production and effect of antibiotic by certain species of *Penicillium* fungi**

Academic Qualification:

1. CGSET (Life Science) 2013
2. GATE (Biotechnology) 2012
3. UGC-NET- J.R.F. (June) 2009

Other Qualification:

NCC (Army Wing, B and C) Certificate with “B” grade.

Positions Held:

1. Assistant Professor, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, November 8th 2012 - till date.
2. Senior Research Fellow, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (CG), May 1st 2012 –November 7th 2012.
3. Contractual Lecturer, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (CG), 29th July 2010– April 2011.
4. Junior Research Fellow, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (CG), May 1st 2010- April 30th 2012.
5. Contractual Lecturer, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (CG), November 3rd 2009 – April 30 2010.
6. Research Scholar, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (CG), July 2009 – October 2009.

Honours/Award:

1. **Girajshankar Sharma Gold Medal** for Merit in B.Sc.-I Biology (2003-04) awarded by Govt. Digvijay Postgraduate College, Rajnandgaon (Chhattisgarh).
2. **Gopilal Lohiya Gold Medal** for merit in B.Sc.-III Biology (2005-06) awarded by Govt. Digvijay Postgraduate College, Rajnandgaon (Chhattisgarh).
3. **NCC (National Cadet Corps) Merit Sahara India Scholarship** for the year 2004-05 awarded by Sahara India Pariwar.
4. **Rajiv Gandhi National Fellowship (Doctoral fellowship)** 2010-2011 awarded by University Grant Commission (UGC.) New Delhi.
5. **UGC JRF** (Junior Research Fellowship, May 1, 2010, to April 30, 2012) awarded by the University Grant Commission (UGC.) New Delhi.
6. **UGC SRF** (Senior Research Fellowship, May 01, 2012 to November 7, 2012) was awarded by the University Grant Commission (UGC.) New Delhi.
7. **International Travel Grant** received from UGC Unassigned Travel Grant for oral paper presentation at 7th International Science Congress (ISC-2017)”, Chukka, Bhutan. (Ref: 2767/Grant Cell/Order/2018, dated 12/02/2018).
8. **Best Presentation Award** in International Conference on Fostering Interdisciplinary Research in Medicines University Institute of Pharmacy, Pt. RSU Raipur (CG) (Jan.19-21, 2019).

9. **National Travel Grant** received from UGC Unassigned Travel Grant, for oral paper presentation at XXI National Conference on Aerobiology-2019, Dept. of Botany, Visva-Bharati, Santiniketan (WB), India, (Ref: 2417/Grant Cell /2019, dated 04/11/2019).
10. **Best Oral Presentation award** in 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019 (ICFIRHS 2019), Bedong, Kedah Darul Aman, Malaysia (Sept. 14-15, 2019).

Teaching Experience:

UG teaching: 2 years (2010-12).

PG teaching: more than 10 years (2010 - till date)

Dealt/ Dealing with;

Cell Biology

M. Sc. Biotechnology (2011 - 2012)

Genetics

M.Sc. Biotechnology (2014- till date)

Bio-molecules

M. Sc. Biotechnology (2015)

Molecular Biology

M.Sc. Biotechnology (2010-till date)

Biology of Immune System

M. Sc. Biotechnology (2011-till date)

Animal Biotechnology

M. Sc. Biotechnology (2013 – till date)

Research experience: I have achieved more than 12 years of research experience from M.Sc. (2008) to till date.

Member in Academic Bodies:

1. Member, Board of Studies in Biotechnology, Pt. RSU, Raipur (2014-till date)
2. Member, Board of Central Studies in Biotechnology, Higher Education Department, CG (2017-till date)
3. Member, Board of Studies in Biotechnology, Shaheed Mahendra Karma Vishwavidyalaya, Baster (2023-till date)
4. Member, Board of Studies in Microbiology, Govt. Digvijay Postgraduate College, Rajnandgaon (Chhattisgarh) (2022-till date)

Life Membership of Scientific Society

1. The Indian Science Congress Association, Kolkata, India, Membership No. **L30681** (September 2016).
2. The Indian Aerobiological Society (Regd.), India, Reg.no. **S/32742/81-82** (29 January 2018).
3. Member of the Asian Federation of Biotechnology (AFBO).
4. Fellow Member of World Researchers Associations (FWRA), Reg. no. **FM/2023/0026**, (02 October 2023).
5. Association of Fungal Biologist, Mumbai, India, Life Membership No. **LM24003**, (18 March 2024).

Administrative Responsibility:

1. Secretary, Staff Council, SoS in Biotechnology, Pt. RSU, Raipur (2014 –2022)
2. Secretary, Alumni Association of Biotechnology, SoS in Biotechnology, Pt. RSU, Raipur (2014 –till date)
3. Assistant Coordinator, Central Valuation Unit, Pt. RSU, Raipur (2016)
4. Assistant Coordinator, Digital Valuation Unit, Pt. RSU, Raipur (February, 2017)
5. Assistant Coordinator, Central Valuation Unit, Pt. RSU, Raipur (October, 2018)
6. Member, Self Study Report (SSR), IQAC, Pt. RSU, Raipur (November, 2019–till date)
7. Coordinator, Institutional Development Plan Cell (IDP), Pt. RSU, Raipur (April, 2024)
8. Member, Placement Cell, Pt. RSU, Raipur (April, 2024)
9. Member, NEP Implementation Committee, Pt. RSU, Raipur (April, 2024)

Member in Professional Bodies:

1. Alumni Association, School of Studies in Biotechnology, Pt. RSU, Raipur (2011-till date)
2. Secretary, Alumni Association, School of Studies in Biotechnology, Pt. RSU, Raipur (October, 2014)
3. Teachers Association, Pt. RSU, Raipur (2012- till date)

Additional Responsibility:

1. **Member of Contact Tracing Team (COVID-19);** (July 22, 2020, to June 04, 2021),
Role acted as per the direction of time-to-time according to guidelines of District Administration, Raipur (Chhattisgarh).

Areas of Research Interest:

1. Propagation and conservation of medicinal plants and mushrooms
2. Mushroom Biotechnology
3. Mushroom Biofortification & Functional Foods
4. Bioremediation
5. Food processing and
6. Drug Discovery

Editorial Responsibilities

1. Reviewer, Journal of Applied Pharmacy (OMICS International)
2. Reviewer, European Journal of Biotechnology and Bioscience, India
3. Reviewer, International Journal of Food Science and Biotechnology (IJFSB), USA.
4. Reviewer, Jordan Journal of Biological Sciences, Jordan
5. Reviewer, Food Science and Human Wellness, Elsevier
6. Reviewer, MYCOPATH
7. Reviewer, Environmental Science, and Pollution Research, Springer Nature

8. Reviewer, Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, Springer Nature
9. Editor, NewBioWorld, A Journal of Alumni Association of Biotechnology
10. Reviewer, Studies in Fungi, Maximum Academic Press
11. Reviewer, World Journal of Microbiology and Biotechnology, Springer Nature

Research Guidance:

Ph.D.

SN	Name of the Student	Registration	Thesis Title	Session
1	Ms Anjali Kosre University Research Fellow, Letter wide no. Sr./623/Fin.Sch./2021, Dated 19/07/2021	2018	Bioaccumulation of Minerals and their Impact on Productivity, Bioactivity and Metabolites contents of <i>Pleurotus florida</i>	Pursuing
2	Ms Deepali CSIR- NET DBT JRF Fellow	2018	Mineral Fortification and its impact on yield, Metabolites and Bioactivity of <i>Calocybe indica</i> (P&C)	Feb 2024, Submitted
3	Ms Varsha Meshram CSIR- NET UGC-JRF June, 2020 ; GATE-2021 (Life Sciences)	DRC,12-07-2022/ Ph.D./22/BIT/02	Intergeneric Hybridization between <i>Cordyceps militaris</i> (Linn.) Link and <i>Pleurotus florida</i> (Jacq.) P. Kumm: Characterization of its Constituents	Pursuing
3	Mr. Khemraj University Research Fellow, Letter wide no. Sr./623/Fin.Sch./2021, Dated 19/07/2021	DRC,12-07-2022/ Ph.D./22/BIT/04	To Examine the Edibility and Vulnerability of <i>Chlorophyllum</i> species and related species using Morphological, Biochemical, and Molecular techniques	Pursuing

B.Sc. /M. Sc. Dissertation:

SN.	Name of the Student	Institute	Title	Session
1	Mr. Devendra Kumar Tandiya	SoS in Biotechnology, Pt RSU.	Nutraceutical Properties Evaluation of Some Polypore Mushrooms	2016
2	Ms. Mausmi Dhangar	SoS in Biotechnology, Pt RSU.	Evaluation of Antioxidant Properties of Polar and Non-Polar Solvents Extract of Wild Mushroom	2017
3	Ms. Shivangi Shukla	MATS University, Raipur	Rapid <i>In Vitro</i> Evaluation of Antifungal Activity of <i>Ganoderma lucidum</i> Against Human Pathogenic Fungus (<i>Aspergillus niger</i>)	2018
4	Ms. Ayesha Fatima	MATS University, Raipur	Antibacterial activity of <i>Ganoderma lucidum</i>	2018
5	Mr. Kirit Chanap	MATS University, Raipur	Standardization of protocol for DNA isolation of <i>Termitomyces heimii</i>	2018
6	Ms. Sarita Waradkar	Dept. of Biotechnology, Govt. VYT Post Graduate Autonomous College, Durg (CG)	Static and Non-Static Submerged Cultivation of <i>Pleurotus ostreatus</i> and Their Impact on Production of Biomass and Exopolysaccharide	2019
7	Ms. Priyanka Chouhan	SoS in Biotechnology, Pt RSU.	To Study the Effect of Solid and Liquid Spawn Substrates on Growth, Yielding and Biological Efficacy of <i>Pleurotus ostreatus</i> (Jacq.) P. Kumm. 1871	2019
8	Mr. Dharmendra Kumar Verma	Dept. of Biotechnology Govt. NPG College of Science, Raipur	Evaluation of Biological Efficacy of the Various Agro Waste Products Used as Substrate for the Cultivation of <i>Pleurotus ostreatus</i>	2019

9	Mr. Subir Kumar Parey	Amity Institute of Biotechnology, Amity University Gwalior, M.P.	Evaluation of Antibacterial Activity of Inorganic and Organic Solvents Extract <i>P. ostreatus</i> , against Human Pathogenic and Non-Pathogenic Bacteria	2019
10	Ms. Pingla Sen	SoS in Biotechnology, Pt RSU.	Review on Nutrients and Bioactive Compounds of <i>Pleurotus ostreatus</i>	2020
11	Ms. Jaswantee Pujari	Dept. of Biotechnology Govt. NPG College of Science, Raipur	Study of the effect of Carbon sources on the production of exopolysaccharides and Antioxidants activity by submerged culture of <i>Pleurotus florida</i>	2020
12	Ms. Sharon Khalkho	SoS in Biotechnology, Pt RSU.	Review on Nutritional Status and Bioactive Compounds of <i>Calocybe indica</i> (P&C)	2020
13	Ms. P. Deepti Rani	Amity Institute of Biotechnology, Amity University Chhattisgarh, Raipur	Mineral fortification of <i>Calocybe indica</i> by using Submerged fermentation and its impact on production of biomass and exopolysaccharides	2021
14	Mr. Jatish Patel	SoS in Biotechnology, Pt RSU.	Study on the Impact of Zinc Oxide Nanoparticles Fortification on Submerged Batch Cultivation of <i>Calocybe indica</i> (P&C) and its Nutraceuticals Assessment	2022
15	Ms. Bhawana Chandrasen	SoS in Biotechnology, Pt RSU.	Study of Mycoremediation Potency of Spent Mushroom Substrates of <i>Pleurotus florida</i> and <i>Calocybe indica</i> for Heavy Metals	2022
16	Ms. Shradha Joshi	SoS in Biotechnology, Pt RSU.	Study on the Bioadsorption Capacity of Spent Mushroom Substrates of <i>Calocybe indica</i> and <i>Pleurotus florida</i> on the Potential Application of Biosorbent on Some Synthetic Dyes	2022
17	Mr. Jhameshwar Prasad , DST Inspire (SHE)	Govt. Digvijay Autonomous PG College, Rajnandgaon (CG.)	Evaluation of Bioadsorption Efficiency of the Spent Mushroom Substrate of <i>Calocybe indica</i> for Removing Iron from some Contaminated Water Samples	2022
18	Mr. Sandeep Sahu	Dept. of Biotechnology Govt. NPG College of Science, Raipur	Study of Magnesium Salt (MgSO ₄) Accumulation Influential Impact in Batch Submerged and Solid-State Cultivation of <i>Pleurotus florida</i> and Proximate Analysis of its Bio-Products	2023
19	Ms. Prachi Thakur	Dept. of Biotechnology, St. Thomas College Ruabandha, Bhilai	Comprehensive Evaluation of β -glucan Content and Bioactivity in the Fusant Derived from the Hybridization of <i>Pleurotus florida</i> and <i>Cordyceps militaris</i>	2023
20	Ms. Pritika Pradhan	SoS in Biotechnology, Pt RSU.	Morpho-Molecular and Biochemical Characterization of Poisonous mushroom <i>Chlorophyllum molybdites</i>	2023
21	Ms. Prachi Katre	Dept. of Biotechnology, Govt. VYT Post Graduate Autonomous College, Durg (CG)	Sustainable Cultivation of <i>Pleurotus florida</i> : Harnessing Waste Resources for Mushroom Production and Eco - Friendly Contaminated Ground Water Remediation	2024
22	Ms. Payal Amariya	Dept. of Biotechnology, Govt. VYT Post Graduate Autonomous College, Durg (CG)	Nutritious Value Analysis of <i>Pleurotus florida</i> Cultivated on Different Locally Available Substrates	2024
23	Ms. Richa Sahu	SoS in Biotechnology, Pt RSU.	Exploring Alternate Nitrogen Sources for Cultivating Lovastatin Rich <i>Pleurotus florida</i> (Jacq.) P. Kumm: A Comparative Study	2024

GRANT SUPPORT RECEIVED:

SN.	Project Title	Funding Agency	Sanctioned Amount (INR in Lakhs)	Duration	Status
1	Morphological, Biochemical and Molecular Characterization of poisonous and nonpoisonous mushroom (Endt. No. 722/CCOST/)	CCOST, Raipur	3.60=00	2015-17	Completed
2	Morphological, Biochemical and Molecular Characterization of Edible and Poisonous Mushroom of the Forest of Mahasamund district, Chhattisgarh (Endt. No. Sr./SBB/2040, dated 08/11/2023)	State Biodiversity Board, CG Govt.	3.00=00	2023-25 (18 months)	Sanctioned
3	Traditional knowledge of medicinal plants consumed by primitive tribes of Bastar Chhattisgarh: Development of database and strategy for value addition and sustainable livelihood <i>via</i> Fin-tech. (Endt. No. IBITF/Note/TSP/SanctionLetter /2023-24/0254, dated 14/11/2023)	IBITF, Bhilai (DST funded)	44.23=00	2023-25	Sanctioned

TRAINING

SN.	Training Program	Place	Place/ Agency	Duration
1	4 th INSPIRE Internship Program/ Science Conclave: “A Congregation of Nobel Laureates and Eminent Scientists	IIIT-A (Indian Institute of Information Technology, Allahabad)	MHRD-DST initiative at IIIT-A (Indian Institute of Information Technology, Allahabad)	07 Days 26.11.2011 - 02.12.2011
2	Scientific/Research Paper Writing	Central Institute of Fisheries Education –CIFE, Mumbai	The National Academy of Sciences, India (NASI)	08.06.2012 - 10.06.2012
3	Workshop/Short Term Course on “E-Learning”	Academic Staff College, Raipur	Academic Staff College, Pt. Ravishankar Shukla University, Raipur, India	03 Days 28.01.2013 - 30.01.2013
4	The Workshop on Molecular Biology	School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur CG	HiMedia Laboratories Pvt. Ltd. Mumbai, India & School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur CG.	02 Days: 13.10.2014 - 14.10.2014
5	National Workshop on “Operation and Maintenance of Laboratory Equipment’s”	School of Studies in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur	School of Studies in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur, & Western Regional Instrumentation Centre, Mumbai, India,	05 Days 19.01.2015 - 23.01.2015
6	Orientation Program under the theme “Quality of Higher Education : Learning Process”	Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG	UGC-Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG.	04 weeks: 03.06.2015 - 30.06.2015

7	One-Day Workshop-Cum-Training on SYSTAT 13	Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG	IQAC, Pt. Ravishankar Shukla University, Raipur CG.	01 Day 27.08.2015
8	The Workshop on Molecular Biology	School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur CG	HiMedia Laboratories Pvt. Ltd. Mumbai, India & School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur CG.	02 Days: 30.10.2015 - 31.10.2015
9	“Special Winter School’ on “Innovation Teaching and Research”	Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG	UGC-Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG.	03 weeks: 12.01.2016 - 01.02.2016
10	Workshop on Statistical Skills	International Science Community Association	International Science Community Association www.isca.in	06 Days 05.08.2017 - 10.08.2017
11	The STEM Teacher Training Workshop on Research Based Pedagogical Tools	Pt. Ravishankar Shukla University, Raipur	Jointly sponsored by DBT, Govt. of India; Newton Bhabha fund of the British Council; Centre of Excellence in Science and Mathematics Education, IISER Pune and Pt. Ravishankar Shukla University, Raipur. [Conducted by a team of experts from the Centre for Science Education, Sheffield Hallam University, UK.]	04 Days 06.10.2017 - 09.10.2017
12	“Cancer Health Disparity” Short Term Course work, Mentor Manoj K. Mishra, Ph.D. Director, Cancer Biology Research and Training Director, Freshmen BIO Program Associate Professor of Biology Department of Biological Sciences Alabama State University 915 S Jackson Street Montgomery AL 36101-0271	Department of Biotechnology, Guru Ghasidas Vishwavidyalaya, Bilaspur (CG.) India	Global Initiative For Academic Networks (Gian), association with Guru Ghasidas Vishwavidyalaya, Bilaspur (CG.) India and Ministry of Human Resources Development (MHRD), Govt. of India	05 Days 18.12.2017 - 22.12.2017
13	The Importance of technical terminology in writing of Academic book (शैक्षणिक पुस्तक के लेखन में तकनीकी शब्दावली का महत्व)	Chhattisgarh Rajya Hindi Granth Academy, Raipur	Commission for Scientific and Technical Terminology, Govt. of India	02 Days 20.01.2018 - 21.01.2018
14	Workshop on Personality Development	International Science Community Association	International Science Community Association www.isca.in	06 Days 05.08.2018 - 10.08.2018
15	Short-term course in “Developing the Communication Skills”	Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG	UGC-Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG.	01 weeks: 22.12.2018 - 27.12.2018
16	Workshop on Communication Skills	International Science Community Association	International Science Community Association www.isca.in	06 Days 05.08.2019 - 10.08.2019
17	Short-term course on “ARPIT” (Annual Refresher Program in Teaching) UGC-SPONSORED SHORT TERM COURSE	Human Resource Development Center, Pt. Ravishankar	UGC-Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG.	01 weeks: 03.02.2020 - 08.02.2020

		Shukla University, Raipur CG		
18	Learning Advanced E-tools for MOOCs Development & Research	T.L.C., Ramanujan College and Motilal Nehru College (E), University of Delhi	T.L.C., Ramanujan College and Motilal Nehru College (E), University of Delhi	02 weeks: 01.09.2020 - 14.09.2020
19	The Role of ICT in the Development of Massive Open Online Course (MOOCs) in Higher Education” (online mode)	T.L.C., Ramanujan College, University of Delhi	Teaching Learning Centre, Ramanujan College, University of Delhi	02 weeks: 14.08.2020 - 28.08.2020
20	Online Refresher Course in Basic Sciences	HRDC, (RTM) University, Nagpur (MH)	UGC-Human Resource Development Center, Rashtrasant Tukadoji Maharaj Nagpur (RTM) University, Nagpur (MH)	02 weeks: 21.08.2023 - 02.09.2023

Conference/Symposia Organized:

1. National Conference on Traditional Knowledge and Biotechnology, November 22 - 24, 2013 (Joint Secretary)
2. National Seminar on “Innovations & Prospects in Biotechnology”, January 2-4, 2016 (Joint Secretary)
3. National Seminar on “Recent Advances & Trends in Biotechnology”, January 10-12, 2020 (Treasure)
4. International e-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship”, January 7th - 8th, 2022 (Organizing Secretary)
5. Hands-on Training *cum* Workshop on Molecular Techniques, November 18-19, 2022 (Program Coordinator)
6. Five Days Hands-on-Training *cum* Workshop on Advance Techniques in Biotechnology & Yeast Genome Engineering, 25-29 August and 02 September, 2023 (Program Coordinator)
7. National Conference on Science & Technology for Women Empowerment and Rural Development, jointly organized by The National Academy of Sciences, India (NASI) & PtRSU, Raipur, 13-14 October 2023(Executive Secretary)
8. Three Days Hands-on-Training *cum* Workshop on Techniques in Biotechnology, 18-20 April, 2024 (Program Coordinator)
9. Two Days Workshop on "Integration of Indigenous Knowledge: Sustainable Cultivation of Traditional Medicinal Plants and Health Benefits", jointly organized by Pt. Ravishankar Shukla University, Raipur (C.G.) and IIT Bhilai Innovation and Technology Foundation (IBITF), Bhilai (C.G.) at Govt. Indaru Kenwat Girls College, Kanker (C.G.), on 9th and 10th May 2024 (Organizing Secretary).

Guest/Invited Lectures Delivered and Chaired a technical session in various activities:

1. Lectures delivered on **the Importance of NET & Other JRF Exam**. Department of Biotechnology and Zoology, Govt. Digvijay College, Rajnandgaon, February 19, 2016.
2. Delivered lecture on **“CSIR NET Life Sciences, Preparation”** UGC Coaching Center, Pt. Ravishankar Shukla University Raipur (Chhattisgarh), April 2018.
3. Delivered lecture on **“CSIR NET Life Sciences, Preparation”** UGC Coaching Center, Pt. Ravishankar Shukla University Raipur (Chhattisgarh), October 2019.
4. Delivered lecture on **“CSIR NET Life Sciences, Preparation”** UGC Coaching Center, Pt. Ravishankar Shukla University Raipur (Chhattisgarh), January 2020.
5. Delivered lecture as a subject expert on **“Basic of Immunology”** organized by IQAC cell associated with Department of Zoology, Dept of Botany, Govt Kunj Bihari Choube College, Lal Bahadur Nagar, Dist Rajnandgaon, on 19th December 2022.
6. **Chaired a technical session as a subject expert** (OP-2, oral presentation) in the 22nd National Conference on Aerobiology (NCIAS-2022) and its Impact on Plant, Animal and Human Health, organized by Narayanrao Waghmare Mahavidyalaya, Akhada, MH on 21st to 23rd December 2022.
7. Chaired a technical session as a subject expert in a poster presentation at the National Conference on **“Innovation and Emerging Novel Research in Plant Sciences”** (IENRPS-2023) organized by Govt. VYT PG Autonomous College, Durg, Chhattisgarh, India, on 17th & 18th January 2023.
8. Delivered lecture as a subject expert titled **“Environment and Health: A Vital Indication”** on a Two-Day National Seminar on Environment and Health: Opportunities and Challenges, organized by Govt Kamla Nehru Girls College, Balaghat, MP on 25 to 26 March 2023.
9. Delivered lecture as a subject expert titled **“Antibody and their types ”** organized by Department of Biotechnology, Govt Veer Surendra Say P.G. College, Gariaband, Dist Gariaband, on 21st February 2024.
10. Delivered lecture as a subject expert titled **“Guidance on Career Paths: Post-Graduation Opportunities in the Field of Biology”** organized by IQAC cell associated with Department of Botany, Govt Naveen College, Pirda, Dist Mahasamund, on 24th February 2024.
11. Delivered invited lecture as a subject expert titled **“Exploration of Remedial Effects of Traditional Medicinal Plants: Tribal Healers of Kanker District ”** on Seminar, organized Department of Bioscience and Biomedical Engineering, IIT Bhilai, , on 22nd May 2024.

Event Attended in Abroad:

- (1) **Chandrawanshi, N. K.**, Dhangar, M. and Jadhav, S. K. (2019) Polar and Non-Polar Solvent Extracts Posses of Differential Antioxidant Activity of Medicinal Mushroom (*Pleurotus florida*). Published in Proceeding of 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019 (ICFIRHS 2019), Sept. 14-15, 2019, 08100 Bedong, Kedah Darul Aman, Malaysia. Published by A and V Publication, Raipur, India, ISBN: 978-93-85525-55-1, Paper ID: BS-121219212. (Oral Presentation).
- (2) **Chandrawanshi, Nagendra Kumar**, Tandia, D. K. and Jadhav, S. K. (2017) *In vitro* evaluation of the antioxidant and antidiabetic activity of the polar solvent extract of *Laetiporus sulphureus* (Bull.) Murrill. Souvenir of 7th International Science Congress, C.S.T., Royal University of Bhutan, Bhutan, (ISCA-ISC-2017-3BS-06-Oral). December 8th-9th, 2017. Pg. 42-43. (Oral Presentation).

Gene Data Submission in NCBI

1. <https://www.ncbi.nlm.nih.gov/nuccore/MT159466> (Retrieved date 20 March 2020)
2. <https://www.ncbi.nlm.nih.gov/nuccore/2500090875> (Retrieved date 06 June 2023)

Research Publications:

Papers in National and International Journals:

1. Tiwari, K.L., Jadhav, SK and **Chandrawanshi, N. K.** (2010) Studies of the Minimum Inhibitory Concentration (MIC) of *Penicillium* species. *Deccan Current Science*. 3 (II): Pg. 151-154.
2. **Nagendra K. Chandrawanshi**, K.L. Tiwari, S.K. Jadhav and Afaque Quraishi (2013) Threats Facing by The Critically vulnerable medicinal plant *Gloriosa superba* L. at natural habitat: Major Insect Pest and Human Interference. *Deccan Current Science*. 9(2): Pg. 221-228.
3. **Chandrawanshi Nagendra Kumar**, S. K. Jadhav, K. L. Tiwari and Quraishi Afaque (2015) *In vitro* Tuberization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3): Pg. 142-147. <https://doi.org/10.3923/biotech.2015.142.147>. {SCOPUS/ Thompson Indexed Journal} [NAAS: National Academy of Agricultural Sciences, IARI, New Delhi, India]
4. **Chandrawanshi, N. K.**, S. K. Jadhav, K. L. Tiwari and Quraishi Afaque (2016) Assessment on threatened classification of *Gloriosa superba* L. *Deccan Current Science*. 15(1): Pg. 140-150.
5. **Chandrawanshi, Nagendra Kumar** (2016) Mushroom Toxins and Human Manifestation. *NewBioWorld*, 1(1):4-7.
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Brief Review of the Research Contributions and Future Prospects:

My initial research work was based on the conservation of pharmaceutical important endangered medical plant of *Gloriosa superba* L. In the sequence, developed in vitro

conservation and microtuberization methods for gaining highly valued micro tubers through in vitro approaches, analyzing colchicine content in different developing stages, and achieved significant success rate for in vitro conservation approaches, which is supported for essential steps for conservation of the plants. Persistently, Glory lily is a fascinating phytomedicine resource for anticancer drugs, thus huge demand in the world-level drug market. As a faculty of Biotechnology, I comprehend titles dealing with, subjects like Genetics, Molecular Biology, Immunology, and animal Biotechnology in M.Sc. theory as well as practical classes regularly. Presently, our laboratory is primarily engaged in the propagation and conservation of mushrooms, along with medicinal plants. Currently, work on the identification of alternative spawns and substrates for mushroom cultivation is underway. We are also attempting to develop protocols for enhanced production of metabolites and minerals fortification in edible varieties of mushrooms to make them alternate functional food items. Furthermore, this laboratory is also trying to screen potent bioactive components, which can later be used in pharmaceutical industries.

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June 2024