

Curriculum Vitae



Name: Nagendra Kumar Chandrawanshi
Designation: Assistant Professor (Senior Scale)
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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>

Academic Records:

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

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- JRF (June) 2009

Other Qualification:

N.C.C. (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 (C.G.), May 1st 2012 –November 7th 2012.
3. Contractual Lecturer, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.), 29th July, 2010– April, 2011.
4. Junior Research Fellow, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.), May 1st 2010- April 30th 2012.
5. Contractual Lecturer, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.), November 3rd 2009 – April 30 2010.
6. Research Scholar, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.), July 2009 – October 2009.

Honors/Award:

1. **Girajashankar 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. **N.C.C. (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 University Grant Commission (UGC) New Delhi.
6. **UGC SRF** (Senior Research Fellowship, May 01, 2012 to November 7, 2012) awarded by 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 (C.G.) (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

Genetics

Bio-molecules

Molecular Biology

Biology of Immune System

Animal Biotechnology

M. Sc. Biotechnology (2011 - 2012)

M.Sc. Biotechnology (2014- till date)

M. Sc. Biotechnology (2015)

M.Sc. Biotechnology (2010-till date)

M. Sc. Biotechnology (2011-till date)

M. Sc. Biotechnology (2013 – till date)

Research experience: I have achieved more than 11 year research experienced 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, Pt. RSU, Raipur (2014-till date)
4. Member, Board of Studies in Biotechnology, Shaheed Mahendra Karma Vishwavidyalaya, Baster (2023-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** (January 29, 2018).
3. Member of Asian Federation of Biotechnology (AFBO)

Administrative Responsibility:

1. Secretary, Staff Council, SoS in Biotechnology, Pt. RSU, Raipur (2014 –till date)
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)

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 Tracccing 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

Research Guidance:**Ph.D.**

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

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. V.Y.T. Post Graduate Atonomous College, Durg (C.G)	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. N.P.G. 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. N.P.G. 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. Sandeep Sahu	Dept. of Biotechnology Govt. N.P.G. 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

GRANT SUPPORT RECEIVED:

Project Title	Funding Agency	Sanctioned Amount (INR in Lakhs)	Duration
Morphological, Biochemical and Molecular Characterization of poisonous and nonpoisonous mushroom (Endt. No. 722/CCOST/)	CCOST, Raipur	3.60=00	2015-17

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	Pt. Ravishankar Shukla University,	Jointly sponsored by DBT, Govt. of India; Newton Bhabha fund of the	04 Days 06.10.2017

	Pedagogical Tools	Raipur	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.]	- 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 (C.G.) India	Global Initiative For Academic Networks (Gian), association with Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) 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 Shukla University, Raipur CG	UGC-Human Resource Development Center, Pt. Ravishankar Shukla University, Raipur CG	01 weeks: 03.02.2020 - 08.02.2020
18	Learning Advanced E-tools for MOOCs Development & Research	TLC, Ramanujan College and Motilal Nehru College (E), University of Delhi	TLC, 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)	TLC, Ramanujan College, University of Delhi	Teaching Learning Centre, Ramanujan College, University of Delhi	02 weeks: 14.08.2020 - 28.08.2020

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)

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

1. Lectures delivered on 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 on as 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 subject expert (OP-2, oral presentation) in 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 subject expert in poster presentation in National Conference on “**Innovation and Emerging Novel Research in Plant Sciences**” (IENRPS-2023) organized Govt. VYT PG Autonomous College, Durg, Chhattisgarh, India, on 17th & 18th January 2023.
8. Delivered lecture as subject expert in title “**Environment and Health: A Vital Indication**” on 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.

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, CST, 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, S.K. 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 Afaqur 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 Afaqur (2015) *In vitro* Tuberculation 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 Afaqur (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.
6. **Chandrawanshi, N. K.**, Tandia, D. K., and Jadhav, S. K. (2017) Nutraceutical Properties Evaluation of *Schizophyllum commune*. *Indian J. Sci. Res.*, 13(2): 57-62. UGC Approved Journal No: 20876 Published 2017.
7. Fatima, A. and **Chandrawanshi, N. K.** (2017) Antibacterial Activity Determination of Polar and Non-Polar Solvent Extracts of *Ganoderma lucidum* Against Human Pathogenic Bacteria. *International Journal of Creative Research Thoughts (IJCRT)*, 5 (3): 576-580, UGC Approved Journal No: 49023 (18), <http://doi.org/10.1729/Journal.31469>, Published July 2017.
8. **Chandrawanshi, N. K.**, Tandia, D. K., and Jadhav, S. K. (2018) Determination of Antioxidant and Antidiabetic Activities of Polar Solvent Extracts of *Daedaleopsis confragosa* (Bolton) J. Schröt. *Research J. Pharm. and Tech*; 11(12): 5623-5630. <https://doi.org/10.5958/0974-360X.2018.01020.X>. {SCOPUS Indexed Journal}
9. **Chandrawanshi, N. K.**, Tandia, D. K., and Jadhav, S. K. (2019) Determination of Anti-Diabetic Property of organic and nonorganic solvent extracts of *Schizophyllum commune*. *NewBioWorld A Journal of Alumni Association of Biotechnology*, 1(1): 5-8. <https://doi.org/10.52228/NBW-JAAB.2019-1-1-2>
10. **Chandrawanshi, N. K.** and Shukla, S. (2019) Rapid *In Vitro* Antifungal Property Assessment of Organic and Aqueous Extracts of *Ganoderma lucidum* Against Human Pathogenic Fungus of *Aspergillus niger*. *International Journal of Emerging Technologies and Innovative Research*, 6(5): 473-477, UGC Approved Journal, No: 63975, as per June 14, 2019. <https://doi.org/10.5281/zenodo.7080772>, Published May 2019.
11. Khalkho, S., Koreti, D., Kosre, A., Jadhav, S.K. and **Chandrawanshi, Nagendra Kumar** (2021) Review on production technique and nutritional status of *Calocybe indica* (P&C). *NewBioWorld A Journal of Alumni Association of Biotechnology*, 3(1):1-7, published 1 July 2021. <https://doi.org/10.52228/NBW-JAAB.2021-3-1-2>
12. Sen, Pingla, Kosre, A., Deepali and **Chandrawanshi, Nagendra Kumar** and Jadhav, S.K. (2021) Nutrients and Bioactive compounds of *Pleurotus ostreatus* mushroom. *NewBioWorld A Journal of Alumni Association of Biotechnology* 3(2):8-12. published 31 Dec 2021. <https://doi.org/10.52228/NBW-JAAB.2021-3-2-2>.
13. Chouhan, P., Koreti, D., Kosre, A., Chauhan, R., Jadhav, S.K. and **Chandrawanshi, N.K.** (2022) Production and Assessment of Stick-Shaped Spawns of Oyster Mushroom from Banana Leaf-Midribs. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.* 92, 405–414. <https://doi.org/10.1007/s40011-021-01327-x> {SCOPUS Indexed Journal, IF 0.95} published 15 April 2022.

14. Koreti, D., Kosre, A., Jadhav, S.K. and **Chandrawanshi, N.K.** (2022) A comprehensive review on oleaginous bacteria: an alternative source for biodiesel production. *Bioresour. Bioprocess.*9, 47. <https://doi.org/10.1186/s40643-022-00527-1> {SCOPUS Indexed Journal, IF 4.5} published 22 April 2022.
15. Meshram, V. and **Chandrawanshi, N.K.** (2022) Bioactive Compounds and Pharmacological Activities of the Genus *Cordyceps*: A Review. *NewBioWorld A Journal of Alumni Association of Biotechnology*,4(1):13-19.DOI: <https://doi.org/10.52228/NBW-JAAB.2022-4-1-4>
16. Sahu, K., Pradhan, P. and **Chandrawanshi, N.K.** (2022) Revaluation of Mushroom Edibility Based on Differences in Morphological Characteristic. *NewBioWorld A Journal of Alumni Association of Biotechnology*,4(2):15-17.DOI: <https://doi.org/10.52228/NBW-JAAB.2022-4-2-3>
17. Kosre, A., Koreti, D., Jadhav, S.K. and **Chandrawanshi, N.K.** (2022) Comprehensive Review on Potential Bioactive Compounds of Mushrooms and Their Role in Immunomodulatory Functions. *Phytochemistry Reviews (Communicated)*.
18. Waradkar, S., Koreti, D., Kosre, A., Jadhav, S.K. and **Chandrawanshi, N.K.** (2022) Assessment of Static and Non Static Submerged Cultivation of *Pleurotus ostreatus* on Biomass and Exopolysaccharides Production. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. (Communicated)*.

Papers in Conference/ Symposia Proceedings:

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Brief Review of the Research Contributions and Future Prospect:

My initial research work was based on the conservation of pharmaceutical valued important endangered medical plant of *Gloriosa superba* L. In the sequence, developed in vitro conservation and microtuberization methods for gaining to high valued microtubers through in vitro approaches, analyzing of 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 dealt, subject alike, Genetics, Molecular Biology, Immunology & Animal Biotechnology in M.Sc. theory as well practical class's 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 are 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.

Nagendra Kumar Chandrawanshi
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