

CURRICULUM VITAE

Nitin Mahendra Chauhan
Opp. Harsh Inn,
Dr. Hedgewar Road,
Parbhani 431401, M. S. India
Mobile: +917028162693

nitinchauhan84@hotmail.com; nitinchauhan25@gmail.com

Education:

- | | |
|------|--|
| 2012 | Ph. D in Biotechnology, SRTM University, Nanded 431606, India.

“Thesis Title: Alcohols as Modulators of Dimorphic Switching in <i>Candida albicans</i> ” |
| 2009 | Master of Philosophy with First Class Honors in Microbiology, SRTM University, Nanded 431606, India.

“Thesis Title: “Role of Ethyl Alcohol in Morphogenetic Signaling in <i>Candida albicans</i> ” |
| 2007 | Master of Science with Second Class Honors in Microbiology, SRTM University, Nanded 431606, India.

“Project entitled: “Biological Control of Bacterial Wilt Caused by <i>Ralstonia solanaceum</i> ” |
| 2005 | Bachelor of Science with First Class with Distinction Honors in Microbiology, Botany, Computer Science, SRTM University, Nanded 431606, India. |

Memberships:

- Member of Indian Science Congress
- Biological Society of Ethiopia

Academics and Research Experience:

Research

- | | |
|------------|---|
| 2007-2011: | Research Scholar, DST-FIST Sponsored School of Life Sciences, SRTM University, Nanded, Maharashtra, India. Worked in the field of |
|------------|---|

Candida albicans biology and physiology with Dr. S. Mohan Karuppayil, Professor, School of Life Sciences, SRTM University, Nanded.

Teaching

- | | |
|-----------|--|
| 2009-2010 | Contributory lecture in School of Life Sciences, SRTM University, Nanded. |
| 2012-2013 | Assistant Professor of Biotechnology,
V. G. Shivdare College, Jule Solapur, Bijapur Road, Solapur. |
| 2013-2021 | Assistant professor of Biotechnology,
College of Natural and Computational Sciences, Dilla University,
Dilla, Ethiopia, Africa |

Paper taught:

- Cell and Molecular biology.
- Principles of genetic engineering and rDNA technology
- Animal tissue culture
- Plant biotechnology.
- Plant tissue culture
- Bioinformatics
- Fundamentals of Biotechnology
- Food Biotechnology
- Science communications

Other activities

- | | |
|------|--|
| 2012 | Internal Supervision for Oct-Nov 2012 Examination of Solapur University from 16-30 Nov. 2012. |
| | Paper Setter of theory examination for PG Biotechnology Course of Solapur University Oct-Nov 2012 Examination. |

Research Interests:

Microbial Pathogenesis, Medical Mycology, Microbial Biofilms, Quorum Sensing, Secondary Metabolites, Mixed Species Biofilms, Sensing and Signalling

Research Projects:

- PI for research project entitled “A novel Biosensor Approach for detection of Aflatoxin in Maize Plant of Dilla region, Ethiopia” approved by RDO, Dilla University in the field of Agricultural Biotechnology.
Status: Completed

- Co-PI for research project entitled “Study on Bird Diversity: Ecological and Economical Role in Gedeo Indigeneous Agroforestry System” approved by RDO, Dilla University in the field of Basic Sciences.
Status: Completed
- Co-PI for research project entitled “Isolation of Industrially Important Enzymes from Hot Water Springs around Dilla Region, Ethiopia .
Status: Ongoing

Training Programs:

- Selected and Participated in **6th UGC-Networking Resource Centre Workshop on Basic Immunological Techniques** from Sep. 24 to Oct. 6, 2012; held at **Indian Institute of Science**, Bangalore-560812
- Selected and Participated for “**4th Central European Summer Course and 1st Rising Star in Mycology**” which was held from 4-11 July, 2014, at Szeged University, Szeged, Hungary.

Skills:

All Basic techniques in Life Sciences and general skills in computer and biostatistics.

Molecular biology techniques:

- Nucleic acids isolation
- Animal cell culture
- Plant tissue culture
- PCR, primer design
- Protein Biochemistry
- Protein isolation
- Protein (PAGE) gel electrophoresis
- Western blotting
- Immunology techniques
- Handling of computational tools in drug designing

Research Ids:

- ORCID id: orcid.org/0000-0003-3055-0540
- Researcher Id: S-1414-2017
- ResearchGate: www.researchgate.net/profile/Nitin_Chauhan
- Scopus id:

Publications Statistics:

H- index: 09 (Source: Thomas Reuters Web of Science, Scopus)

H- index: 11 (Source: Google Scholar); I-10 index: 13 (Source: Google Scholar)

Total number of citations: 592 (Source: Google Scholar)

List of Publications:

Articles in Journals

- 1 Edaso Amana Husen, Geremew Tafesse, Sunil Tulshiram Hajare, Nitin **Mahendra Chauhan**, Rajesh J. Sharma, Vijay J. Upadhye. 2022. Cross-Sectional Study on Assessment of Frequency of Intestinal Helminth Infections and Its Related Risk Factors among School Children from Adola Town, Ethiopia. **BioMed Research International**. Volume: 2022. <https://doi.org/10.1155/2022/5908938>.
- 2 Sunil Tulshiram Hajare, Yeinewub Chekol, **Nitin Mahendra Chauhan**. 2022. Assessment of prevalence of *Giardia lamblia* infection and its associated factors among government elementary school children from Sidama zone, SNNPR, Ethiopia. **PLoS ONE**. 17(3): e0264812.
- 3 Sunil Tulshiram Hajare, Tizazu Mulu, Vijay J. Upadhye, **Nitin Mahendra Chauhan**, Feleke Eriso. 2022. Prevalence of *Ascaris lumbricoides* infections among elementary school children and associated risk factors from Southern Ethiopia. **Journal of Parasitic Diseases**. doi.org/10.1007/s12639-022-01475-5.
- 4 Mihiret Tadesse, Geremew Tafesse, Sunil Tulshiram Hajare, **Nitin Mahendra Chauhan**. 2022. Assessment of prevalence of Hepatitis B virus and its associated factors among pregnant women from Wolaita Sodo, Ethiopia. **Journal of Clinical Virology Plus**. 2: 100069.
- 5 Tekalign Kassaye, **Nitin M. Chauhan** and Vijay Singh. 2022. Fungal contaminants and aflatoxin quantification in peanut (*Arachis hypogaea* L.) from Gedeo Zone of Southern Ethiopia. **Indian journal of Plant Protection**. 49(4): 233-239.
- 6 Sunil Tulshiram Hajare, Robe Kuti Gobena, **Nitin Mahendra Chauhan**, Feleke Eriso. 2021. Prevalence of Intestinal Parasite Infections and Their Associated Factors among Food Handlers Working in Selected Catering Establishments from Bule Hora, Ethiopia. **Biomed Research International**. Volume: 2021. <https://doi.org/10.1155/2021/6669742>
- 7 **Nitin Mahendra Chauhan**, Sunil Tulshiram Hajare, Buzuayehu Mamo, Abraham Assefa. 2021. Bioethanol Production from Stalks Residues of Chiquere and Gebabe varieties of Sweet Sorghum. **International Journal of Microbiology**. Volume: 2021. <https://doi.org/10.1155/2021/6696254>.
- 8 Sunil Tulshiram Hajare, **Nitin Mahendra Chauhan**, Girum Kassa. 2021. Effect of Growth Regulators on *In vitro* Micropropagation of Potato (*Solanum tuberosum* L) Gudienne and Belete Varieties from Ethiopia. **The Scientific World Journal**. Volume 2021. <https://doi.org/10.1155/2021/5928769>.
- 9 Teferi Teklu, **Nitin Mahendra Chauhan**, Firaol Lemessa, Getu Teshome. 2020. Assessment of Prevalence of Malnutrition and Its Associated Factors among AIDS Patients from Asella, Oromia, Ethiopia. **Biomed Research International**. Article id: 7360190. <https://doi.org/10.1155/2020/7360190>.
- 10 **Nitin Mahendra Chauhan**, S. Mohan Karuppayil. 2020. Dual identities for various alcohols in two different yeasts. **Mycology**. doi.org/10.1080/21501203.2020.1837976.

- 11 Mesay Bahiru, Geremew Tafesse, **Nitin M. Chauhan**, Ermias Assefa. 2020. Antimicrobial activity of crude extract from *Millettia ferruginea* leaves and barks against selected bacterial pathogens and *Candida albicans*. **Journal of Microbiology and Antimicrobials. 12:** 81-84.
- 12 **Nitin M. Chauhan**, Abdissa D. Gutama, Afras Aysa. 2019. Endophytic fungal diversity isolated from different agro-ecosystem of Enset (*Ensete ventericosum*) in Gedeo zone, SNNPRS, Ethiopia. **BMC Microbiology. 19:**172.
- 13 Teferi T. Teklu, **Nitin M. Chauhan**. 2018. Phenotypic Variations in Plant Height and Root Traits under Moisture Stress in Maize Varieties from Hawassa, Ethiopia. **Asian Journal of Biotechnology and Genetic Engineering. 1(1):** 1-12.
- 14 Muluken Bezabih, **Nitin Mahendra Chauhan**, Sunil Tulshiram Hajare, Genene Gezahegn. 2017. Effects of Foliar Application of 6-benzylaminopurine on *Zingiber officinale* Rosc. (Zingerberaceae) Boziab Variety Growth and Rhizome Production in Ethiopia. **Journal of Scientific Research & Reports. 17:** 1-8.
- 15 Aklilu Banjaw Leza, Sunil Tulshiram Hajare, **Nitin M. Chauhan**. 2017. Comparative Analysis of DNA Extraction Methods in Two Popular Varieties of Finger Millet (*Eleusine coracana*) from Ethiopia. **Biotechnology Journal International. 20:** 1-7.
- 16 Meskerem A. Abayhne, **Nitin M. Chauhan**. 2016. Antifungal activity of various medicinal plants against late blight of potato from Ethiopia. **Journal of Scientific Research and Reports. 12:** 1-9.
- 17 **Nitin M. Chauhan**, Alemayehu P. Washe, Tesfaye Minota. 2016. Fungal infection and aflatoxin contamination in maize collected from Gedeo zone of Ethiopia. **SpingerPlus 5:** 753.
- 18 Prabhanjan Kumar Vata, **Nitin M. Chauhan**, Arasumani Nallathambi, Fentaw Hussein. 2015. Assessment of prevalence of preeclampsia from Dilla region of Ethiopia. **BMC Research Notes. 8:** 816.
- 19 Jayant Shankar Raut, Ravikumar Bapurao Shinde, **Nitin Mahendra Chauhan**, S Mohan Karuppayil. 2014. Phenylpropanoids of plant origin as inhibitors of biofilm formation by *Candida albicans*. **Journal of Microbiology and Biotechnology. 24:** 1216-1225.
- 20 Madhushree M Routh, **Nitin M Chauhan**, Sandeep B Rajput, S Mohan Karuppayil. 2013. Cancer drugs inhibit germ tube elongation in *Candida albicans*. **Journal of Scientific Research and Reports. 7:** 777-782.
- 21 Jayant S. Raut, **Nitin M. Chauhan**, Ravikumar B. Shinde, S. Mohan Karuppayil. 2013. Inhibition of planktonic and biofilm growth of *Candida albicans* reveals novel antifungal activity of caffeine. **Journal of Medicinal Plant Research. 07:** 777-782.
- 22 **Nitin M Chauhan**, Ravikumar B Shinde; S. Mohan Karuppayil. 2012. Effect of alcohols on filamentation, growth, viability and biofilm development in *Candida albicans*. **Brazilian Journal of Microbiology. 44:** 1315-1320
- 23 Ravikumar B. Shinde, **Nitin M Chauhan**, Jayant S Raut, S Mohan Karuppayil. 2012. Sensitization of *Candida albicans* biofilms to various antifungal drugs by cyclosporine A. **BMC Annals of Clinical Microbiology and Antimicrobials. 11:** 27.

- 24 Madhushree M Routh, **Nitin M Chauhan**, S Mohan Karuppaiyl. 2012. Cancer Drugs Inhibit Morphogenesis in the Human Fungal Pathogen, *Candida albicans*. **Brazilian Journal of Microbiology. 44:** 855-859.
- 25 Jayant S. Raut, Ravikumar B. Shinde, **Nitin M Chauhan**, S. Mohan Karuppaiyl. 2012. Terpenoids of plant origin inhibits morphogenesis, adhesion and biofilm formation by *Candida albicans*. **Biofouling. 29:1** 87-96.
- 26 Ravikumar B. Shinde, Jayant S. Raut, **Nitin M Chauhan**, S. Mohan Karuppaiyl. 2013. Chloroquine sensitizes biofilms of *Candida albicans* to antifungal azoles. **Brazilian Journal of Infectious Diseases. 17:** 395-400.
- 27 **Nitin M Chauhan**, Jayant S Raut, S Mohan Karuppaiyl. 2011. A Morphogenetic Regulatory Role for Ethyl alcohol in *Candida albicans*. **Mycoses. 54:** e697-e703.
- 28 **Nitin M Chauhan**, Jayant S Raut, S Mohan Karuppaiyl. 2011. Acetaldehyde inhibits the yeast to hypha conversion and biofilm formation in *Candida albicans*. **Mycoscience. 52:** 156-160.

Chapters in Book

- 1 **Nitin M Chauhan. 2017.** Aflatoxin, a Risky Menace for African's Food Commodities. Chapter 5: 91-113. In: Aflatoxin-Control, Analysis, detection and Health Risk. ISBN 978-953-51-5464. Intech- open science/open mind. Rijeka, Croatia.

In Conferences

- 1 **Nitin M Chauhan**, Jayant S Raut, S Mohan Karuppaiyl. Ethyl alcohol as a potential signaling molecule that regulate morphogenesis in *Candida albicans*. International Union of Microbiological Societies 2011 Congress. Time: September, 06 to 16, 2011. Place: Sapporo, Japan.
- 2 Prof. S. Mohan Karuppaiyl and **Nitin M Chauhan**. Morphogenetic Regulatory Roles for Alcohols in *Candida albicans*. BIT'S 1st Annual World Congress of Microbes 2011. Time: July 30 to August 1, 2011. Place: Beijing, China.
- 3 **Nitin M Chauhan** and S. Mohan Karuppaiyl. Regulation of Morphogenesis and Biofilm formation by Short Chain Alcohols in Human Fungal Pathogen *Candida albicans*. 4th Central European Summer Course and 1st Rising Star in Mycology" Time: 4-11 July, 2014, Szeged University, Szeged, Hungary.

Awards/Achievements:

- Best Research Award for 2014 by Research and Dissemination Office of Dilla University, Dilla, Ethiopia.
- Received International Travel Grant from **Department of Science and Technology, Ministry of Science, Government of India, New Delhi**, for presenting the poster at International Union of Microbiological Societies 2011 Congress. Time: September, 06 to 16, 2011. Place: Sapporo, Japan.
- Editorial Member for conference proceedings

Conference/Workshop/School/Meet:

- Participated in **“Two days national workshop on recent trends in pharmaceutical research and methodology”** Organized by College of Pharmacy, Solapur, on February 2 to 3, 2013.
- **Organizing Secretary**, University level Two Days workshop on “Fundamentals of Enzyme Purification and Optimization Studies and The Essence of Animal Tissue Culture” organized by Department of Biotechnology, V. G. Shivdare College of Arts, Commerce and Science, Solapur and BioEra Life Sciences Pvt. Ltd. Pune, M.S. India.
- Participated in **“Workshop on Interdisciplinary Nanoscience”** Organized by SRTM University, Nanded on 26 February, 2012.
- Participated in **“Two days seminar on Drug Discoveries from Plants: Promises and Challenges”** Organized by School of Life Sciences, SRTM University, Nanded, India, on February 14 to 15, 2012.
- Participated in **“A One Day State Level Workshop on The Social Context of Soft Skill and Personality Development at SRTM University, Nanded, India”** Organized under Soft Skill and Personality Development Programme by SRTM University, Nanded on 14 March 2011.
- Participated in **“National Workshop on Quantitative Techniques in Biodiversity Assessment”** Organized by School of Life Sciences, SRTM University, Nanded, India, on February 26 to 27, 2010.
- Participated in one day workshop on **“Advances in Computer Aided Drug Designing”** Organized by School of Life Sciences, SRTM University, Nanded, India in collaboration with VLife Science Technologies Pvt. Ltd. Pune, India, on February 18, 2010.
- Participated in two days workshop on **“Assessment of Mycorrhizal Biodiversity”** Organized by School of Life Sciences, SRTM University, Nanded, India, on September 24 to 25, 2009.
- Participated in **“International Conference on Advances in Biosciences: from Darwin to Dolly and Beyond”** Organized by Dept. of Zoology, Yeshwant College, Nanded, India, during February 12 to 14, 2009.
- Participated in one day seminar on **“Advances in Animal Biotechnology”** Organized by School of Life Sciences, SRTM University, Nanded, India, on March 15, 2008.
- Participated in **“National Conference on Plants: Biology to Biotechnology”** Organized by Dept. of Botany, Yeshwant College, Nanded, India, during February 23 to 24, 2008.
- Participated in **“National Conference on Environmental Pollution, Disaster Management and Mitigation”** Organized by DSM College, Parbhani, India held on September 15 to 16, 2006.

References:

- 1. Dr. S. Mohan Karuppayil**, Department of Stem Cell & Regenerative Medicine and Medical Biotechnology, D Y Patil Education Society, Kasaba Bawada, Kolhapur, Maharashtra 416006, India E-mail: prof.karuppayil@gmail.com
- 2. Dr. Vijay Nema**, Scientist D, Head, Department of Molecular Biology, National Aids Research Institute, Bhosari Pune 411026. India.
E-mail: vnema@nariindia.org; dr.vijaynema@gmail.com
- 3. Dr. G. B. Zore**, Assistant Professor of Biotechnology, DST-FIST Sponsored School of Life Sciences, SRTM University, Nanded 431606, India.
E-mail: gbzore@rediffmail.com

Personal Information:

Name: **Dr. Nitin Mahendra Chauhan**

E-mail id: nitinchauhan84@hotmail.com; nitinchauhan25@gmail.com;

Contact No.: +917028162693; +251960908760

Skype id: **nitin.chauhan2584**

Current Address: Dr. Nitin M Chauhan,
Assistant Professor of Biotechnology,
College of Natural Sciences, Dilla University,
Dilla 419, SNNPR, Ethiopia, Africa

Home Address: S/o Mahendra P Chauhan
Balaji Bakery
Near Harsh Inn
Dr. Hedgewar Road
Parbhani 431401, Maharashtra, India

Date of Birth: February 25, 1984

Gender: Male

Nationality: Indian

Marital Status: Married

Mother Tongue: Gujarati

Languages Known: Gujarati, Hindi, English, Marathi

