

CURRICULUM-VITAE

Name : Dr. Archana Mishra

Date of Birth : 17-07-1972

Place of Birth : Kanpur

Husband's Name : Mr. Bhanu Mishra

Father's Name : Shri S. Shukla

Address : A-9, Bima Vihar, Lakhanpur, Kanpur-208024 (U.P.)

Designation : Assistant Professor

Subject : Botany

Date of Appointment : 02-08-2006

Institute : D.A.V. (P.G.) College, Civil Lines, Kanpur

Qualification : M.Sc., (Botany)
Ph.D. (Mycology)

Research Specialisation: Isolation and Identification of keratinophilic fungi from indoor environments.

Salient Research Findings/Significant Achievements

- Screening of keratinophilic and non keratinophilic fungi.
- Identification of new keratinophilic fungi *Gymnascus reessii*
- Handling of all pathological instruments
- Operate Camera Lucida
- Cell Suspension Culture

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Teacher Code : T-3363

DETAILS OF QUALIFICATION

Level	Board/University	Year	Division
Ph.D.	C.S.J.M.U. Kanpur	2005	Awarded
M.Sc.	C.S.J.M.U. Kanpur	1995	1st
B.Sc.	C.S.J.M.U. Kanpur	1993	1st
Intermediate	U.P.Board, Allahabad	1990	2nd
High School	U.P.Board, Allahabad	1998	2nd

TEACHING EXPERIENCE :

- D.A.V. College, Kanpur : 8 Months (U.G.)
- D.S.N. College, Unnao : 01 Year (Both P.G. and U.G.)
- D.A.V. College, Kanpur : 2006- till date (Both P.G. and U.G.)

17 Years Teaching Experience.

❖ Award:

- "Excellence in Teaching" On the occasion of international Web Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences (GRISAAS-2020) During 28-30 December, 2020.

BOOK CHAPTER:

- "Transforming India: Inspire and Innovate" has published book chapter in "Edited Book Multidisciplinary" TOUCAN "Research and Development" Dhanbad Jharkhand, year 2019-20 pp.147-156
- Union Budget 2021-22 "Innovation The Research Concept" Vol.6 Issue 1 February 2021. ISSN:2456-5474 pp. 162-164
- Medicinal Properties of Marigold in Health Care Published in "|Role of Medicinal Plant in Human Health pp. 155-163, year 2022

PROFESSIONAL EXPERTISE /TRAINING

• ORIENTATION PROGRAMME: 2020

- 4 week Induction/orientation programme for faculty in universities/ Colleges/Institutes of Higher Education. Under the agency of Ministry of Human

Resource Development Pandit Madan Mohan Malviya National Mission on Teachers and Teaching by Teaching Learning Centre Ramanujan College, University of Delhi from June 26-July 24-2020.

- **REFRESHER COURSES/FDP:**

- One week F.D.P. Programme on "Entrepreneurship, Incubation and Innovation" by Teaching Learning Centre Ramanujan College of Delhi Sponsored by MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching held at 23rd June to 29th June 2020.
- Two weeks F.D.P. Programme "Online Teaching Pedagogies" (Developing competencies for Best Practices) by Gautam Buddha University held at July 20 to Aug. 02.2020
- Two week online Faculty Development programme on "Research Methodology" under Teaching Learning Centre Ramanujan College University of Delhi Sponsored by MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching held at 01 October to 15 Oct. 2020.
- Two week online Faculty Development Programme on Interdisciplinary Refresher Course in Environmental Studies on the theme under Teaching Learning Centre Ramanujan College University of Delhi Sponsored by MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching held at 15 July to 29th July 2021.
- One week online Faculty Development programme on "Advanced Pedagogical Techniques" under Teaching Learning Centre Ramanujan College University of Delhi Sponsored by MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching held at 30 June to 06 July 2021.
- One week online "Faculty Development Programme" on Blended learning and Pedagogical Techniques" under Teaching Learning Centre Ramanujan Univ. of Delhi from 22-29 January 2022.

- **Research Publications:**

- Archana Mishra & R.K.S. Kushwaha (2021). Dermatophytes and related keratinophilic fungi in house dust of Kanpur. "Present status of microbiology and challenges for sustainable development" pp. 27-30. Bull.Bol: Society Univ. of Sagar.
- Archana Mishra, Divya Bhaduarua & R.K.S. Kushwaha (2002). Association of keratinophilic fungi with human hair. "Role of forensic science in criminal investigation with special emphasis on scene of crime pp. 17-20 Univ. Sagar

- Archana Mishra & R.K.S. Kushwaha (2002). Growth and Sporulation of some keratinophilic fungi. In "Innovators and Prospectus in Life Science" pp. 30-31
- Archana Mishra & R.K.S. Kushwaha (2002). Keratinolytic ability of keratinophilic fungi isolated from house and hospital waste. In "Biosciences Advances, Impact and Relevance" pp. 25-26.
- Archana Mishra & R.K.S. Kushwaha (2009). Studies on some keratinophilic fungi and dermatophytes in hospital wastes. (Proceedings) "Environmental degradation and Biodiversity: Problems and Prospects" pp. 19-20, 29th-30th November 2009 Venue- D.A.V. College, Kanpur.
- Archana Mishra & R.K.S. Kushwaha (2009). Dermatophytes, related keratinophilic and opportunistic fungi in Indoor dust of Houses and Hospitals "Indian Journal of Medical Microbiology 27(3): ISSN-0255-0857 pp. 242-46.
- Archana Mishra & R.K.S. Kushwaha (2009). Influence of some Antibiotic drugs on human hair perforation by keratinophilic fungi. "Progressive Research and International Journal" Vol. 4 (2) July 2009 ISSN 0973-6417, pp. 235-237.
- Archana Agnihotri & Archana Mishra (2011). Studies on the Allergic Aero-Pollens and Fungal Spores of Kanpur. "Progressive Research and International Journal" Vol. 6 (1) Jan. 2011 pp. 38-40.
- Renu Agnihotri, Archana Agnihotri & Archana Mishra (2012). Saprophytic Flora as Biocontrol Agent against leaf spot pathogen of Soyabean "Annals of Plant Protection Sciences" Vol. 20 (1) March 2012, ISSN-0971-3573 pp. 252-254.
- Archana Tiwari, Archana Mishra, Vishal Saxena, Swati Saxena & Amit Prakash Raghuvanshi (2020). Association of Characters and Selection Parameters for high tuber yield in Potato (*Solanum tuberosum* L.). "The Journal of the Society for Tropical Plant Research". Vo. 7(1) ISSN-2349-9265, pp. 205-208.
- Archana Mishra & Archana Tiwari (2020). Role of keratinophilic fungi in Nature "Open Access Journal of Agriculture Research" Volume 03: Issue 02 ISSN: 2651-9003 QAJAR-100035.
- Archana Mishra & R.K.S. Kushwaha (2020). Keratinophilic fungi Distribution, Pathogenicity and Biotechnological Potential. IJISSET- International Journal of Innovative Science, Engineering and Technology, Vol. Issue 7, July 2020, ISSN 2348-7968 Impact Factor-6.72 pp. 42-472.

- Archana Mishra & Archana Tiwari (2021). Effects of Global Climate Change on Agriculture: An Interpretative Review "Agriculture and Food: e-Newsletter Volume 3-Issue 6 June 2021, ISSN:2581-83.17 pp. 706-717.
- Archana Mishra & Archana Tiwari (2022). Biodiversity and Ecosystem of Arbuscular mycorrhizal fungi. (Rev. Art.) IJSET- International Journal of Innovative Science & Engineering Technology, Vol. 9(08) pp. 194-212.

National/International Seminars/Conference

- ❖ "Impact of present environment on biodiversity of Rural Area" by Shri Shakti Degree College Kanpur 21-22 Feb. 2015.
- ❖ Seminar and quiz on "Herbs for Health" Department of Botany S.N. Sen B.V. P.G. College Kanpur held on 2nd Dec. 2015.
- ❖ National Seminar "Biodiversity Conservation and sustainable development" held at D.A.V. College Kanpur January 20, 2016
- ❖ National Seminar on "Ganga Pollution: Analysis and Remedies held on 7th-8th October, 2016 organized by Department of Chemistry D.A-V. (P.G.) College, Kanpur (C.S.J.M. University, Kanpur).
- ❖ National Seminar on "Role of Science and Technology with relevance of National Swachhata Abhiyaan" Held at 29-30 March 2018 D.G.P.G. College, Kanpur.
- ❖ National Seminar on "Future India: Science and Technology. The Indian Science Congress Association" held at 23rd-25th Nov. 2018.
- ❖ National Seminar on "Food Chemistry, Processed Food and Toxicology". Department of Chemistry D.A.V. (P.G.) College Kanpur held at 25th-26th September 2019.
- ❖ National Seminar on "Waste Management: Role of Chemistry", organized by Department of Chemistry D.A.V. College Kanpur held at 22nd -23rd January 2020.

Conferences

- ❖ National conference on "Microbes Promoting Crop Health, Productivity and Sustainability (CIMAP), CSFR-National Botanical Research Institute (NBRI), Lucknow October 26th-27th 2013.
- ❖ Influence of Homoeopathic Drugs on Animal Hair Innovation by keratinophilic fungi "National Conference on Microbes Promoting Crop Health, Productivity and Sustainability and Zonal Meeting "Indian Phytopathological Society (MID-Eastern Zone) October 26-27, 2013 organized by CSIR- Central Institute of Medicinal and

Aromatic Plants P.O. (IMAP Lucknow -226015 CSIKR- National Botanical Research Institute, Lucknow -226001.

- ❖ Zonal meeting of Indian Phytopathological Society (M&Z) and National Conference on "Microbes Promoting Crop Health, Productivity and Sustainability CSIR-control Institute of Medicinal and Aromatic Plants (CIMAP), CSIR-National Botanical Research Institute (NBRI), Lucknow October 26-27, 2013
- ❖ The Indian Science Congress Association Kanpur Chapter National Conference on "Science and Technology "Rural Development" 3-4 December 2019 in collaboration with C.S.J.M. University, Kanpur.

Workshop Attended

- ❖ National workshop on "Basic Techniques of Molecular Biology" Organized by Deptt. of Zoology D.B.S. College, Kanpur 4th and 5th August. 2008.
- ❖ National Workshop on "Designing Research Projects and Writing Research Projects" from 18 to 20 February 2009 organized by the Department of Political Science, Christ Church College, Kanpur.
- ❖ Workshop on "Recent Advances in structure based on National Drug Designing" Sponsored by Department of Biotechnology Government of India held at Biotech Park, Lucknow 12-14 Oct. 2011.
- ❖ National workshop on "Bioinformatics: Tools and their applications sponsored by Ministry of Science and Technology, Government of India" held at D.G. College Kanpur 1st-4th Nov. 2011.
- ❖ National workshop on "Bioinformatics: The Application of Artificial Intelligence Sponsored by Ministry of Science and Technology, Government of India" held at D.G. College Kanpur 24th-26th Dec. 2011.
- ❖ Northern Regional workshop on "Wetlands Biodiversity". Restoration and survival organized by Department of Botany D.B.S. College, Kanpur (C.S.J.M. University, Kanpur) Sponsored by Wetlands International and Forest and Wild Life Department, Uttar Pradesh 17 November, 2016.
- ❖ Workshop on Biotechnology under DBT Star College "Scheme for Strengthening of Life Science and Biotechnology Education and Training Programme" held at D.G. College Kanpur 20-26th April 2017.

- ❖ Workshop on "Quantitative and Qualitative Analysis of Proteins and Lipids sponsored by Star College Scheme of DBT, Ministry of Science and Technology, Government of India" held at D.G. College, Kanpur 25th-31st Oct. 2017.
- ❖ National workshop on "Basic Techniques in Microbiology" organized by Faculty of Science, Dayanand Girls P.G. College Kanpur under Star College Scheme of Deptt. of Biotechnology Ministry of Science & Technology, Govt. of India held at 11th & 17th Oct. 2018.
- ❖ Workshop on "Evaluation of Biology through Bioinformatics" at Bioinformatics Infrastructure Facility Centre (DBT) D.G. (P.G.) College, Kanpur on 19th-25th September 2019 under Deptt. of Biotechnology Ministry of Science and Technology, Government of India, New Delhi.
- ❖ Workshop on "Online Teaching and Learning for College factors" organized by IQA Cell of D.G. (P.G.) College, Kanpur, 7-8 July 2020.

Delivered a Plenary/Lecture/Presented a paper on seminar & conference

- Presented a paper entitled "Spore germination of some geophilic keratinophiles as influenced by some carbohydrates" in National Seminar on "Anthropogenic stresses on Environment and Sustainable Development" 17 & 18 December 2004 organized by Faculty of Science A.N.D.N.N.M. Mahavidyalaya, Kanpur (C.S.J.M. University, Kanpur).
- Poster presentation on "Influence of antibiotics on hair invasion ability of keratinophilic fungi" "National Seminar on Recent Emerging Trends in Plant Sciences" (Sponsored by U.G.C.) on 11th & 12th December, 2004, organized by the Deptt. of Botany, D.A.V. College, Kanpur.
- Poster Presentation on "Studies on Some keratinophilic fungi and Dermatophytes in Hospital Wastes in National Seminar on "Environmental Degradation and Biodiversity: Problems Prospects" held on November 29th-30th, 2009 organized by Deptt. of Botany, D.A.V. College, (C.S.J.M. University), Kanpur (Sponsored by U.G.C. New Delhi).
- Presented paper on "Antibiotic drugs on human perforation by keratinophilic fungi" in "National Symposium on Achieving Millennium Development Goals: Problems & Prospects". Society for Scientific Development in Agriculture and Technology, Jhansi (U.P.) India. 25-26 October 2009.
- Poster presented on "Rapid Degradation of Human Hair by *Microsporum gypseum*" in 3rd National Seminar on "Recent Trends in Biological Scenario organized by Deptt. of Botany Dayanand Girls (P.G.) College, Kanpur 3rd December, 2009.

- Poster presented on "Assessment of Antifungal activity of some medicinal plants in the "International Web Conference (GRISAAS-2020) during 25-30 December 2020 at Jhansi.
- Poster presentation in Hybrid embryo rescue: A non-conventional breeding approach in pulses" in the International web conference (GRISAAS-2020) during 28-30th December 2020 to Jhansi.
- Poster presentation on "Assessment of Antifungal activity of some medicinal plants" in the International web conference (GRISAAS-2020) during 28-30 December 2020 at Jhansi.

Online Courses by (agMOOCs) Organized by Indian Institute of Technology Kanpur:

1. Six week online course "Integrated Disease Management" held at 16 April 2018.
2. Eight week "Fundamentals of Agricultural Extension" held at 23 April 2018.
3. Four week online course "Functional Foods: Concept, Technology and Health Benefits' held at 19 Nov.2018.
4. Six week online course "Detection, Diagnosis and Management of Plant Disease" held at 03 Dec. 2019.
5. Eight week online course "Design Thinking for Agricultural Implements" held at 17 December 2019.
6. Six week online course "Conservation Agriculture based sustainable Intensification" held at 31st March 2020.
7. Six week online course "Diagnosis of Crop and Stored grain pest and their management" held at 31st March 2020.