

CURRICULAM VITAE

Dr. MOHD KASHIF KHAN



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PERSONAL DETAILS

Full Name	: Mohd Kashif Khan
Father's Name	: Mr. Abdul Haseeb Khan
Mother's Name	: Mrs. Saba Khan
Date of Birth	: 27 th October 1980
Place of Birth	: Lucknow, Uttar Pradesh, India
Gender	: Male
Nationality	: Indian
Language Known	: English, Hindi.

Appointments

Currently I am working as Assistant Professor (Contractual) in Department of Environmental Science

Consultant Scientist (on contract basis) **Biotech Park**. Lucknow - 226021 (UP), **February 2011** – till August 2022.

Manager (Quality Control), "Hindustan Bioenergy Ltd. Biotech Park", Kundan gunj Raibareilly from January 2009 to October 2009.

Manager (Production), "Nextgen Biofertilizers & Aroma Products", Biotech Park Lucknow December 2006 to December 2008.

Technical Assistant, **National Botanical Research Institute, Plant Pathology Laboratory**,
Production of *Trichoderma* based **Biofungicide**, November 2005 to November 2006.

EDUCATION

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- Ph.D. 2018, Thesis Title: Bioremediation of sugarcane molasses based industry effluent. Integral University, Lucknow
 - M.Sc. 2005, Ecology and Environment Science, Manipal University with 69 %
 - B.Sc. 2000, (Zoology, Botany & Chemistry), Luck now University with 51%
 - Intermediate. 1997, (U.P. Board), Lucknow Christian College with 52 %
 - I.C.S.E. 1995, Career Convent Montessori School Lucknow with 61%.

Training/ Project during Post Graduation

Biofungicides an Eco friendly approach for the partial fulfillment of M.Sc. degree in Ecology and Environment.

EXPERIENCE

Academic

Teaching of common,core and vocational papers
Preparation of Laboratory Instruments SOP
Designing of new and innovative course paper
Active Participation in NAAC Accreditation process
Internal guide of dissertation student

Microbiological

Assessment of microbial load in water, drugs, food and herbal samples
Maintenance of microbial cultures and microbiological instruments
Detection of Pathogen and identification in water, drugs, food and clinical samples.
Evaluation of synthetic and natural antimicrobials against clinically isolated pathogens.
Collection of diseased crop samples from farmer's field and isolation of diseased causing plant pathogens.

Analytical

Targeted and untargeted analysis of water, drugs, soil, oil and blood samples for heavy and alkaline metals, physiological & physicochemical analysis, protein estimation, phenols, aflatoxins using sophisticated analytical instruments such as Atomic absorption Spectrometer, Flame photometer, U.V Visible Spectrophotometer, H.P.T.L.C etc.
Development of methods following standard guidelines
Calibration, periodic checks and preventive maintenance of Analytical instruments
Collection of soil, plant samples for nutrient analysis from farmer's field.

Data analysis and generation of test reports Complete knowledge of GLP, NABL.

Supervisor

Organized Training and developed course material for short term (1-3months) and Long Term (6 months or more) training programs in fields of Environmental Microbiology, Biofertilizers & Bio pesticides and Industrial Biotechnology.

Developed Project work modules and supervised Project Work in the above fields.

Publications

1. Mohd Kashif Khan and Monowar Alam Khalid “Treatment of Sugar Mill Effluent by Bio control Agents (*Trichoderma harzianum* and *Pseudomonas fluorescens*) and its Effect on the Growth Parameters of Chick Pea.” Journal of Chemical and Pharmaceutical Research, 2017, 9(10).

2. Mohd Kashif Khan, Monowar Alam Khalid, Shashank Mishra. “Bioaccumulation of chromium and nickel by fungal isolates from tannery effluent collection site from Kanpur, Uttar Pradesh, India”, International Journal of Green Pharmacy • Jul-Sep 2017 (Suppl) • 11 (3).

3. Suruchi Singh, Md. Kashif Khan, S.K. Sharma, Lalit Singh “*In- vitro* Assessment of Antimicrobial and Antioxidant Activity of Various Extracts of *Hamelia Patens*” Journal of Chemical and Pharmaceutical Sciences 7(2) 147- 153, 2014.

4. Maryam Bincy Thomas, Kashif Khan, S. K. Sharma, Lalit Singh, M K Upadhyay* “*In-vitro* Evaluation of Anti-Microbial and Anti-Oxidant Activity of *Emblica Officinalis* Juice Powder” Advances in Pharmacology and Pharmacy Vol. 1(1), pp. 9 – 12, 2013.

WORKSHOP/ CONFERENCE ATTENDED

- **Workshop on Bio entrepreneurship – Research to Business, Organized by A.K.W.L and Indian Industries Association, Won Third prize for Project Proposal on “Development of value added products from banana plant waste”** as a bright idea , at Biotech Park Lucknow. 3rd November 2015
- **Challenge & Management” conference , Ground Water Resources in Uttar Pradesh:** Central Ground Water Board, Northern Region, Lucknow, 30.03.2016
- **Workshop on: “Bio – entrepreneurship and Bio- enterprise Creation”,** organized by Biotech Park,Lucknow on 16th – 17th September 2016.

WORKSHOP ORGANIZED

Workshop on RTPCR ,March 11, 2022 at Biotech Park, Lucknow.

Hands- on Workshop on "Real Time PCR -Gene Expression Analysis", 28th and 29th December 2021

TECHNIQUES AND INSTRUMENT KNOWLEDGE

Microbiological Tools & Techniques

Nanodrop Spectrophotometer

U-V Visible Spectrophotometer

Atomic Absorption Spectrometer

Flame photometer

H.P.T.L.C

Kjeldahl unit

Experimental Skills

- Isolation and Identification of Microorganisms from water samples. Successfully isolated *Staphylococcus aureus* and *Pseudomonas aeruginosa* from water samples drawn from : Sitapur, Lakhimpur, Unnao, Raibareilly, Lucknow, districts of Uttar Pradesh
- Isolation and identification of plant pathogens from infected plants. Successfully isolated *Alternaria* spp, *Fusarium* spp, *Colletotrichum* spp, *Mycosphaerella* spp etc. from infected plant samples collected from farmer's field of nearby villages of Lucknow
- Isolation of DNA and its quantitative estimation
- Physico-chemical and Bacteriological examination of water and waste water samples
- Determination of microbial load and pathogen detection in drugs, food and bakery products
- Treatment of industrial waste water by native and external microbes for bioremediation
- Evaluation of antimicrobial potential of synthetic and plant based sources.
- Extraction of crude enzymes and determination of their activity
- Extraction of bioactive compounds from bacteria and fungi and *in-vitro* assessment of their antagonistic potential against targeted microbe.
- Macro & Micro nutrient analysis of soil and plant samples collected from farmer's field from nearby villages of Lucknow
Analysis of heavy metals in fish tissue, plant, soil, food, herbal drugs and water sample.

ADMINISTRATIVE SKILLS AND MEMBERSHIP

- Have been solely responsible for management and functioning of the Analytical and Microbiology laboratories of Biotech Park.
- NABL related documentation such as measurement uncertainty calculation, log book and sample collection record maintenance, Intermediate check records etc.
- Prepared and submitted completion report of Establishment of Plant Health Clinic, Biocontrol Laboratory, and Leaf Tissue Analysis Laboratory, at Biotech Park (Government Aided projects under National Horticulture Mission and State Horticulture Mission)
- “**Senior Analyst**” in N.A.B.L System
- “**Production In charge**” in Bio-agents Production License for Bio-Control Laboratory.
“**Food Safety Team Leader**” in Food Safety Management System (I.S.O 22000).

SOFTWARE PROGRAMMES AND COMPUTERS USAGE

- Certificate Course in **Advance Diploma in Applications** from Unity Computer Institute, Lucknow.
- Proficiency in using MS-Office (Word, Excel, PowerPoint), internet explorer, the compilation of the scientific data and statistical analysis, a creation of Power Point presentations etc.

REFERENCES

Dr.Uma Shankar MSc PhD, Former Principal Scientist CSIR IITR Govt Of India, Consultant Scientist Biotech Park, Associate Member FFSF, Mobile:7379315555,9415920518
Email: - ushankar_3@rediffmail.com

Prof. Monowar Alam, Khalid, Head, Department of Environmental Science & DSS Dean, Students' Welfare Integral University, Kursi Road, Lucknow, U.P.-226026, India.
Tel: +91(0522) 2890730, 2890812 Ext: 2182 / 3001 Mobile No: +91 7800089633; 9818425530
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DECLARATION

I, Dr. Mohd Kashif Khan, hereby declare that the information given above is true to the best of my knowledge and belief.

Place: Lucknow

Date:

Dr. Mohd Kashif Khan

