

Dr.Mohd Akram

Mohalla Nehru Nagar Town Post Samdhan,

Kannauj (UP), India.

Contact: +919407443438, +917985284605

E-Mail: khanmohdakram6@gmail.com

AREAS OF INTEREST

Bacterial culture, Molecular biology, Biochemistry, Immunochemistry, Histopathology, Functional food (Probiotic), Small animal handling,

WORKING EXPERIENCE

Over 7 month of extensive working experience in molecular diagnostic as senior scientific officer at Gene Store India Pvt. Ltd. Gurugram, Delhi NCR, India.

- **BACTERIAL CELL CULTURE:** Culture of pathogenic & non-pathogenic bacteria, Bacterial cell count, Bacterial cell staining, Microscopy techniques,
- **IMMUNOCHEMISTRY:** ELISA, Immunohistopathology, Geldoc
- **SMALL ANIMAL HANDLING:** Handling of mice, Dissection & sample collection, drug dosing,
- **BIOCHEMISTRY:** Cell based and Non-cell based assays, Colorimetric assays, Biochemical assays, , Enzyme digestion, Antioxidant assays
- **MOLECULAR BIOLOGY:** DNA/RNA isolation, PCR/qRT-PCR, cDNA preparation, Primer Designing , Electrophoresis
- **BIOCHEMICAL ANALYSIS:** Blood processing, Lipid profile analysis, Blood glucose measurements, Spectrophotometry, Tissue extraction & homogenization
- **BIOINFORMATICS:** NCBI/UCSC-Genome Browser, ENSEMBL, BLAST, ImageJ, Cloud Behavior

SNAPSHOTS

- ✓ PhD. in **Animal Biochemistry** from ICAR-NDRI, Karnal, Haryana (2015-2022).
- ✓ M.Sc. in Biochemistry (66.35%) from CSJM University Kanpur, Uttar Pradesh (2010-2012).
- ✓ B.Sc. in Biotechnology (60.2%) from CSJM University Kanpur, Uttar Pradesh (2007-2010).
- ✓ Awarded by NDRI Institutional fellowship Aug-2015 to june-2019
- ✓ Member of Microbiology Society of London (Membership No: C031831)
- ✓ Life member of Indian Society For The Study Of Reproduction And Fertility (Membership No.1603)
- ✓ Qualified ARS-NET 2015

DISSERTATIONS

- M.Sc. Dissertation Project Entitled: “Quality Testing of oral rehydration salt and microbial testing”

July 2011 to October 2011

- B.Sc. Dissertation Project Entitled “15 days training on Basic Molecular Biology techniques” May 2009 to June 2009

NATIONAL/INTERNATIONAL CONFERENCES ATTENDED

1. **Akram, M.,** Boya, S., Omprakash, Behare, P.V., Tomar, S.K., Kaul, G., (2020). **Administration of Probiotics Fermented Milk and Prebiotic improved semen traits in mice fed with obesogenic diet**, ISSRF at ICMR-SMVDU- Katra, Jammu & Kashmir-India on February, 14-16, 2020.
2. Sharma, V., **Akram, M.,** Kaul, G., (2017), **Influence of Dietary supplementation of Gamma oryzanol and Ferulic acid on Diet Induced Obesity in mice**, 8th International Conference of Laboratory Animal Scientists Association [LASA] Jawaharlal Nehru University, New Delhi, India on November, 2020.
3. Participation in Conferences: - Bioprocessing India 2017, Indian Institute of Technology Guwahati, Assam, India, and 9-11th December 2017.
4. Participation in Conferences:- New Trends in Green Chemistry-2010, Department of Chemistry, D.A.V. College (C.S.J.M. University) Kanpur Uttar Pradesh, 14th-15th December 2010.

DETAILS OF ABSTRACTS AND PUBLICATIONS

- **Akram, M.,** Ali, S.A., Behare, P. and Kaul, G., 2022. Dietary intake of probiotic fermented milk benefits the gut and reproductive health in mice fed with an obesogenic diet. *Food & function*, 13(2), pp.737-752.
- **Akram, M.,** Ali, S.A., Kaul, G., (2020), The Promise of probiotics for male sexual health, Microbiome Time, Canada, USA , on April, 2020.
- Akram, M., Ali, S.A., Behare, P.V., Kaul, G., (2022). Chronic restraint stress induced male reproductive deficits were prevented by probiotic and prebiotic by orally.(In Preparation)

COMPUTATIONAL PROFICIENCY

- Experienced in Microsoft Office (Word, Excel, and Power Point)
- Experienced in analysis tools (Graphpad Prism)
- Experienced in Good documentation practices

REFERENCES

1. **Dr. Gautam Kaul**, Principal Scientist Animal Biochemistry Division, Semen biology Lab, National Dairy Research institute Karnal-132001, Haryana, India Tel No: 0184-2259133 Email id: gkndri@gmail.com.
2. **Dr. Suman Kapila**, Principal Scientist, Division of Animal Biochemistry, ICAR-NDRI, Karnal. Haryana, Email id: skapila69@gmail.com.
3. **Dr. Suneel Kumar Onteru**, Principal Scientist, Room No.161 Animal Biochemistry Division ICAR- National Dairy Research Institute, Karnal-132001, Haryana, India, Email id:suneelvet@gmail.com.

Place: NDRI (Karnal)



Signature