

Ahmed Khamis Ali



Personal Information

- Nationality: Iraqi
- Scientific Degree: Lecturer
- Place of Birth: Baghdad
- Job Address: Dept. of Biology, College of Science, Mustansiriyah Univ., Baghdad, Iraq.

Education and Training

Ph.D. (Biotechnology/Virology)

2009 - 2014 Al-Nahrain University Baghdad

- Dept. of Biotechnology – College of Science.

M.Sc. (Biotechnology)

2005 - 2008 Al-Nahrain University Baghdad

- Dept. of Biotechnology – College of Science.

B. Sc. (Biotechnology)

2001– 2005 Mustansiriyah University Baghdad.

- Dept. of Biology – College of Science, Biotechnology.

Employment

Lab Assistant (2005-2008), Dept. of Biology, College of Science, Mustansiriyah Univ., Baghdad Iraq.

Assistant Lecturer (2008-2014), Dept. of Biology, College of Science, Mustansiriyah Univ., Baghdad, Iraq.

Lecturer (2014-present), Dept. of Biology, College of Science, Mustansiriyah Univ., Baghdad, Iraq.

Courses taught

Medical Virology (2019-present)
General Virology (2014-present)
Genetic Engineering and DNA Manipulations (2015-2019)
Plant Tissue Culture Techniques (2015-2018)
Microbial Genetics (2019-2020)

Expertise

- Plant Tissue and Cell Culture.
- Culture, Maintenance, Identification of Bacteria.
- Isolation of nucleic acids (DNA and RNA) from bacteria and plant tissues.
- Molecular Cloning: designing, making, and characterization of different DNA constructs. PCR-directed mutagenesis, sqRT-PCR. Particle inflow gun (PIG).
- RNAi and VIGS. Successful engineering of 5'UTR of *Bean pod mottle virus* (BPMV) to be used as a VIGS vector.
- Molecular characterization and identification of viruses
- Isolation and molecular characterization of Mycobacteriophages.
- Preparation of electron microscopy samples.
- Software Knowledge: Internet and Computing Core Certification (IC3) in computing fundamentals, key applications and living online.

Publications

- **Ahmed K. Ali**, Ibrahim A. Ahmed, Nawres A. Al-Kuwaiti. Molecular characterization of cucumber mosaic virus subgroup IB in Iraq. *Plant Protection*, 07 (02), 289-294 (2023).
- **Ali, A.K.**, Mamoori, Y.I. Molecular characterization of Canna yellow streak virus with divergent coat protein N-terminal fragment in Iraq. *Mol Biol Rep* 50, 927–930 (2023).
- **Ali, A.K.**, Kotturi, H.S. Isolation of four Mycobacteriophages from Oklahoma soil and testing their infectivity against *Mycobacterium abscessus*. (*Proc. Okl. Acad. Sci.* 98, 2018).
- **Ali, A.K.**, Lin, J., Han, J., Ibrahim, K.M., Jarjees, M.M. and Qu, F. (2014). The 5' untranslated region of *Bean pod mottle virus* RNA2 tolerates unusually large insertions and/or deletions. *Virus Res.*, 179: 247-250.
- Junyan Lin, **Ahmed Khamis Ali**, Ping Chen, Said Ghabrial, John Finer, Anne Dorance, Peg Redinbaugh and Feng Qu (2013). A stem-loop structure in the 5' untranslated region of *Bean pod mottle virus* RNA2 is specially required for RNA2 accumulation. *JGV*, 94: 1415-20.
- Kadhim M. Ibrahim and **Ahmed K. Ali** (2011). Some factors affecting callus and somatic embryogenesis in anther culture of *Solanum melongena* L. *Egypt. J. Exp. Biol. (Bot.)*, 7(1): 83-88.
- Kadhim M. Ibrahim and **Ahmed K. Ali** (2011). Enhancement of callus and somatic embryogenesis in anther culture of *Solanum melongena* L. in vitro by using sucrose and activated charcoal. The 1st conference of biological sciences, college of science, Kirkuk University, Iraq, 20-21 April 2011.

Workshops

- **Chemical Safety and Security Officer**, sponsored by CRDF, Al-Nahrain University, Baghdad, Iraq, 25-28 Sep. 2014.
- **Grant Writing Basics**. College of Science and Mathematics, University of Central Oklahoma, USA, 2017
- **Transformative Learning**. Center of Transformative Learning, University of central Oklahoma, USA, 2017.
- **Active Learning**. Center for Excellence in Transformative Teaching and Learning, Univ. of Central Oklahoma, USA, 2017.
- **Team-Based Design and Practice**. Center for Excellence in Transformative Teaching and Learning, Univ. of Central Oklahoma, USA, 2017.
- **18th Annual Collegium on College Teaching Practice**. University of Central Oklahoma, USA, 2017.
- **Student Supporting Services**. University of Central Oklahoma, USA, 2017
- **Supercomputing in Research and Education**. Center for Research and Education in Interdisciplinary Computation. University of Central Oklahoma, USA, 2017.
- **Kinesthetic Learning Engagement**. Center for Excellence in Transformative Teaching and Learning, Univ. of Central Oklahoma, USA, 2017.

- **Learning Environment Design.** Center for eLearning and Connected Environments. University of Central Oklahoma, USA, 2017.
- **U.S. Higher Education System.** Jackson College of Graduate Studies. University of Central Oklahoma, USA, 2017.
- **Analysis of DNA Sequencing Readouts** (Panelist). Mustansiriyah Univ., Baghdad, Iraq, 2018.

**Honors and
Awards**

- Research scholar at The Ohio State Univ., OARDC, Dept. of Plant Pathology, USA. (2012-2013).
- 2017 Iraqi Fulbright Visiting Faculty at University of Central Oklahoma, USA.