السيرة الذاتية للسيد الدكتور/

على محمد محمد على

أستاذ مساعد بقسم علوم الحياة
كلية العلوم – جامعة الملك فيصل

CURRECULUM VITAE

1- PERSONAL DETAILS

Name:	Ali Mohammed Mohammed Ali
Nationality:	Egyptian
Date of birth:	13 /12 /1972
Marital status:	Married (2 children)
Current Address:	Department of Biology Collage of Science, King Faisal University, Kingdom of Saudi Arabia
Permanent Address:	Department of Botany and Microbiology, Faculty of Sciences, Minia University, El-Minia, Egypt.
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2- ACADEMIC QUALIFICATIONS

Bachelor of science: B. Sc. **(**Botany**)**	Botany Department, Faculty of Science, Minia University, Egypt (May 1994).
M. Sc. in Microbiology; (Microbiology**)**	Botany Department, Faculty of Science, Minia University, Egypt (December, 1997- , June, 2001). **Title:** ***(Physiological studies on the role of cell wall degrading enzymes of Fusarium Oxysporium f.sp. lycopersici)***
Ph. D. in Virology; (Virology and Molecular Biotechnology**):**	Lab. of Biomolecular technology, Department of Molecular Biotechnology, Graduate School of Advanced Sciences of Matter (ADSM), Hiroshima University, Hiroshima, Japan (April, 2001 - September, 2006). **Title:** ***(Characterization of chitinases and chitin synthase involved in the interaction between chlorovirus and its host cells)***

3- TEACHING EXPERIENCES

Demonstrator:	In Botany Department, Faculty of Science, Minia University, Minia, Egypt (from 1994 to 2001).
Assistant Lecturer:	In Botany Department, Faculty of Science, Minia University, Minia, Egypt (from 2001 to 2007).
Lecturer:	In Department of Botany and Microbiology, Faculty of Science, Minia University, Minia, Egypt (from November 2007 until 2013)
Assistant Professor	In Department of Biology, Collage of Science, King Faisal University, Kingdom of Saudi Arabia (2013 - now)

4- RECENT TEACHING INTERESTS

For undergraduate students:

1. General Virology for 3rd year, undergraduate, Faculty of Education.
2. Molecular Virology for 4th year undergraduate, Faculty of Science.
3. General Biology for 1st year, undergraduate, Faculty of Education.
4. BT205 (Phycology) for 2nd year, undergraduate, Faculty of Science.
5. Applied Microbiology for 3rd year, undergraduate, Faculty of Education.
6. Cell Biology for Pre-Clinical pharmacy, Faculty of Pharmacy.
7. Microbial Physiology for 4th year, undergraduate, Faculty of Science
8.

For Postgraduate students:

1. Advanced Molecular Virology (Faculty of Science)
2. Virology and Rickettsia (Faculty of Science)
3. Techniques in molecular biology (Faculty of Science)
4. Modern Virology (Faculty of Education)

At Collage of Science, King Faisal University:

1- General Biology for Collage of Science students

2- Archegoniate for Collage of Science students

5- Membership of Professional Societies:

1- Egyptian Botanical Society

6- RESEARCH INTERESTS

1. **Virology:** Algal viruses.
2. **Advanced Virology:** Chlorella viruses, Cyanophages
3. **Molecular Biotechnology**.
4. **Virus-Host Interaction.**
5. **Bio-Molecular technology of Viruses.**
6. **Role of viruses in ecosystem**
7. **Ecology of viruses**
8. **Environmental virology**

Teachning:

Lab courses:

- Microscopy
- Microbiology
- General Botany
- Plant Morphology and Anatomy
- Plant Taxonomy
- Virology
- Advanced Virology
- Molecular Biology
- Molecular Biotechnology
- Microbiology

Supervision of Ph. D. and Master Students:

- One Master student finished Master at 2010 (Thesis title: Studies on Heat resistant fungi in Egyptian soil)
- One Ph.D. student finished Ph D at 2014 (Thesis title: Isolation and Characterization of Cyanophages from Egyptian Water)
- One Ph. D. Student (Thesis title: Molecular Studies on some species in Asteraceae in Egypt by using cpDNA, ITS and transposons and their Biotechnological applications)
- One Ph.D. student (Thesis title: Discovery of Novel Bioactive Compounds from Actinobacteria Isolated from Egyptian Desert Soils)

Work Experience:

- DNA, RNA, and Protein extraction
- Gene cloning and transformation
- PCR (Polymerase chain reaction)
- DNA sequence and Sequence analysis (Bioinformatics)
- Viruses isolation and characterization
- Bacteria , Fungi and algae study techniques
- Southern, Northern and Western blot techniques

Academic Experience:

- **Course in Acquiring skill and high technical performance in TEM lab. From Medical Research Institute, Alexandria University, 2009.**
- **Courses in Molecular Biotechnology from Hiroshima University, Japan from 2001-2006**.

Reviewer:

- **Reviewer at Journal of Agricultural Science and Technology A (http://davidpublishing.org/journals_info.asp?jId=619# pag 33)**

Publications:

(1) El-Naghy, M. A., El-katatny, M.S., Attia, A.M., and **Ali, A.M.,** (2000) Cell wall degradation and protoplast death by polysaccharide degrading enzymes secreted by *Fusarium oxysporum f.sp. lycopersici*. Bull Fac. Sci. Assiut Univ. 29, 345-352

(2) **Ali M. Ali,** Takeru Kawasaki, and Takashi Yamada, (2005) Genetic rearrangements on the chlorovirus genome that Switch between hyaluronan synthesis and chitin synthesis. Virology 342 102-110

(3) **Ali M. Ali,** Takeru Kawasaki and Takashi Yamada, (2007) Characterization of a Chitinase gene encoded by virus-sensitive Chlorella strains and expressed during virus infection. Arab J. of Biotechnology, 1:81-96

(4) **Ali M.Ali,** Soad Moghazy, Gehan Shaban, and Zinab El- Sababty (2009) Heat-resistant fungi isolated from soil in Minia governorate, Egypt. Bull Fac. Sci. Assiut Univ. 2009,

(5) **Ali M. Ali,** El-Naghy, M. A., El-Katatny, M. S., and Soma, A. Badry (2011) Isolation and preliminary characterization of algal viruses from freshwater in Egypt. The Third Scientific Conference for Young Researchers-Basic Science & Technology (SCYR), 155.

(6) **Ali M. Ali,** El-Naghy, M. A., El-Katatny, M. S., and Soma, A. Badry (2012) Seasonality, Distribution and host range analysis of cyanophage infected Phormidium orientale. Egypt. J. Bot. 2nd International conference, 29-30 April, Minia Univ., pp. 113 – 124

(7) **Ali M. Ali** (2012) Sequence analysis of freshwater Chlorella viruses' genome revealed genetic variation. The second international conference in Physiology, Microbiology, Ecology and plant Sciences (PMEPS), 2012

(8) **Ali M. Ali,** El-Naghy, M. A., El-Katatny, M. S., and Soma, A. Badry (2013) Detection and Partial Characterization of Algal Viruses from Freshwater and Rice Field in Egypt. J. of Agricultural Science and Technology A 3: 246-255