

EBTISAM ABUDAYA

Serraj, Tripoli. Libya

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Qualifications:

Master's degree: MSc Plant Biotechnology, University of Sussex. Honours degree in plant Biotechnology for emerging economies. Awarded *Distinction**. Research: Production and characterization of *Pisum Sativum* plants over expressing mitochondrial matrix HSP70. **2002-2004**

Bachelor's degree: BSc Botany Department, Faculty of Science, Tripoli University. Graduation thesis was about 'Freshwater Algae'. Graded 'very good'. **1989-1992**

Publications:

Al-Sghair, F.G., Makhlof, M. H., **Abudaya, E. A.**, (2019) Species Diversity of the family Fabaceae represented by voucher specimens Depending on the flora of Libya.

Current Employment and Teaching Experience:

Lecturer, Department of Botany, Faculty of Science, University of Tripoli, Libya.

Duties and responsibilities include teaching seminars, labs, examining and exam marking. **2008-2020**

Course titles:

- Plant Genetics course BO 202. Teaching undergraduate students.
- Plant Anatomy course BO201.
- Introduction to Genetic Engineering BO 408. Elective course to undergraduate students.
- General Botany BO101. Teaching first year undergraduate students.
- General Botany lecturer at the School of Medicine, University of Tripoli: Undergraduate foundation year. **2012-2014**

Previous Employment Experience:

Demonstrator in the Botany Department, Faculty of Science, University of Tripoli.
1993-1999

- Plant Anatomy Lab demonstrator. **1995-1999**
- Phycology Lab Demonstrator **1993-1995**

Competences and Skills:

- Having worked in the pea transformation. I have extensive experience with Gel Electrophoresis, PCR, DNA extraction & purification, Southern Hybridization and plant tissue culture.

Please see Annex I and Annex II below.

ANNEX I

The following is the Master Thesis abstract, completed under the supervision of Dr. Carlton Wood. Biology and Environmental Science, University of Sussex.

Agrobacterium mediated transformation of *Pisum sativum* cv. Puget plants was performed in order to over express the mitochondrial matrix HSP70. The Agl1 strain of Agrobacterium was engineered to contain the mitochondrial matrix PHSP1 gene and *bar* gene which confers resistance to bialaphos and the related compounds PPT. *P. sativum* seeds were grown in sterile tissue culture conditions prior to transformation of the meristematic regions of pea seed cotyledons. Putative primary transformants were identified using PPT selection in the tissue culture medium.

Additionally, previously generated T2 *P. sativum* plants thought to be over expressing the mtHSP70 were grown and characterized. This was performed using leaf painting with PPT and by attempted Southern blot analysis. This was unsuccessful and reasons for this were discussed.

ANNEX II.



The UNIVERSITY of SUSSEX

at a congregation held today

Ebtisam Abudaya

was admitted to the degree of

MASTER of SCIENCE

Plant Biotechnology for Emerging Economies

WITH DISTINCTION

20 February 2004

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Registrar