

Curriculum Vita

Manal Hassen Al-Traboulsi

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Personal Information

Academic rank: Assistant professor
Botany Department, Faculty of Sciences, University of Benghazi
Nationality: Libyan. Country of Residence: Libya
Place of birth: Benghazi, Libya.

Education

January, 2007 - June, 2011 University of Nottingham, Nottingham, U.K
PhD in Biosciences (Department of Environmental sciences)
Project title: The responses of field-grown bean and maize crops to elevated soil CO₂.

Project aim: To examine plant responses in terms of above- and below-ground growth to soil CO₂ enrichment caused by CO₂ leakage from Carbon Capture and Storage (CCS) geological storage sites used to mitigate the continuing rise in atmospheric CO₂ concentrations (Global climate change).

Supervisors: Prof. Colin Black, Prof. Jeremy Colls, Prof. Michael Steven, Dr. Sofie Sjögersten.

September, 1996 – July, 1999 McGill University, Montreal, Canada
MSc in Biology (Environmental Plant Biology)
Project title: Responses of plant roots and pastureland soils to increasing CO₂ concentrations.

Project aim: To examine responses of *Plantago major* and *Poa pratensis* to climate change (high atmospheric CO₂ concentrations) and to investigate the impact of 5 years of CO₂ enrichment on plant root biomass.

Supervisors: Prof. Catherine Potvin, Prof. Brian Wilsey

September, 1986 – July, 1990 University of Benghazi (ex. Garyounis), Benghazi, Libya
BSc in Botany (Plant Ecology/Environmental Sciences)

Relevant professional, occupational and training courses attended

Course title	Date	Training provider
Statistics for experimental design (PG course)	09.1996 - 01.1997	McGill University
Global Biogeochemistry (Postgraduate course)	09.1997 - 01.1998	McGill University
Air pollution (Undergraduate course)	01.2007 - 04.2007	University of Nottingham
Marking and assessment	18.April.2007	University of Nottingham
Demonstrating in laboratory practical	23.April.2007	University of Nottingham
Presentation skills	18.June.2007	University of Nottingham
Experimentation and computing techniques	09.2007 - 12.2007	University of Nottingham
Referencing and citing using Endnote	13.November.2007	University of Nottingham
Philosophy of science and scientific ethics	21.November.2007	University of Nottingham
MS Excel functionality-a	27.November.2007	University of Nottingham
MS Excel- b: data exploration, analysis graphing	01.December.2007	University of Nottingham
How to prepare an effective poster. I.	28.January.2008	University of Nottingham
How to prepare an effective poster. II.	06.February.2008	University of Nottingham
Getting into the habit of writing	11.February.2008	University of Nottingham
Mayers-Briggs type indicator (MBTI)	18.February.2008	University of Nottingham
Getting going on your thesis	21.April.2009	University of Nottingham
Introduction to image and photo editing	08.May.2009	University of Nottingham

Teaching (Undergraduate courses + Laboratory work)

09.2000-01.2001,

09.2002-01.2003

Botany I, Principles of Ecology

University of Benghazi, Benghazi, Libya

09.2000-01.2001,

09.2001-01.2002,

09.2002-01.2003

Botany II

Comparative plant morphology

University of Benghazi, Benghazi, Libya

02.2001-06.2001,

02.2002-06.2002,

02.2004-06.2004

Applied Ecology

Global climate change

University of Benghazi, Benghazi, Libya

02.2012-present,

Plants and Environment, Principles of Ecology

Botany I, Pollution Biology, Botany for pre-med.

University of Benghazi, Benghazi, Libya

Teaching (Postgraduate courses)

02.2014-present

Advanced Plant Ecology, Advanced Applied Ecology

University of Benghazi, The Libyan Academy of Higher Studies

Extracurricular activities

Conferences

- 1- Society for Experimental Biology (SEB) annual main meeting, 1-4 July 2011, Glasgow, UK.
- 2- Rothamsted Research Soil Organic Matters, 23-25 June 2009, Harpenden, UK.
- 3- Annual Postgraduate Symposium, University of Nottingham, 25 March 2009, Nottingham, UK.
- 4- Annual Postgraduate Symposium, University of Nottingham, 25-26 March 2008, Nottingham, UK.
- 5- Annual Postgraduate Symposium, University of Nottingham, 26-27 March 2007, Nottingham, UK.

Published Work

Journals

- 1- Tracy S., Mooney, S., Sturrock, G., Mairhofer, S., Al-Traboulsi, M., Bennett, M., Pridmore, T., Lynch, J., and Wells, D. (2015). Laboratory and field techniques for measuring root distribution and architecture, in: Tree-Crop interactions: Agroforestry in changing climate. 2nd ed. CABI, pp. 258-277
- 2- Smith, K., Lake, J., Al-Traboulsi, M., Black, C. and Steven, M. (2014). Effects of elevated soil CO₂ on crop species in the context of Carbon Capture and Storage. Submitted for publication.
- 3- Al-Traboulsi, M., Sjögersten, S., Colls, J., Steven, M. and Black, C. (2013). Potential impact of CO₂ leakage from Carbon Capture and Storage (CCS) systems on growth and yield in maize. *Plant and Soil*. 365: 267-281.
- 4- Al-Traboulsi, M., Sjögersten, S., Colls, J., Steven, M. and Black, C. (2012). Impact of CO₂ leakage from Carbon Capture and Storage (CCS) systems on growth and yield in spring field bean. *Environmental and Experimental Botany*. 80, 43-53.
- 5- Al-Traboulsi, M., Sjögersten, S., Colls, J., Steven, M. and Black, C. (2012). Potential impact of CO₂ leakage from Carbon Capture and Storage (CCS) systems on field bean (*Vicia faba*). *Physiologia Plantarum*. 146: 261-271.

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د. منال حسن الطرابلسي

أستاذ مساعد بقسم النبات, كلية العلوم, جامعة بنغازي

Date: 01.08.2020