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Curriculum vitae & List of Publications

A) Curriculum vitae

1. Full name & email & Web Pages

- Mahmoud Fathy Mahmoud SELEIMAN
- Male
- Emails: mahmoud.seleiman@yahoo.com
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mahmoud.seleiman@gmail.com
- Web Pages :
 1. <http://scholar.google.com/citations?user=VhiegEIAAAAJ&hl=en>
 2. [https://tuhat.halvi.helsinki.fi/portal/en/persons/mahmoud-fathy-selei\(88dd7dc9-d8d9-4d04-8370-2d52a95f05f0\).html](https://tuhat.halvi.helsinki.fi/portal/en/persons/mahmoud-fathy-selei(88dd7dc9-d8d9-4d04-8370-2d52a95f05f0).html)



2. Date of birth

- Date and place of birth: 01.02.1982

3. Education and degrees awarded

- Doctor of Science, University of Helsinki, Finland, major subject: Crop Science, minor subject: Crop production, 15.05.2014
- Master of Science, University of Minufiya, Egypt, major subject: Crop Science, minor subject: Crop production, 15.05.2007
- Bachelor of Science, Minufiya University, Egypt, major subject: Crop Science, 09.07.2003.

4. Professional position

- Lecturer of Crop Sciences, Faculty of Agriculture, Minufiya University, Egypt, from 23.6.2014 .
- Assistant lecturer of Crop Sciences, Faculty of Agriculture, Minufiya University, Egypt, from 17.06.2007 – 22.06.2014.
- Demonstrator of Crop Sciences, Faculty of Agriculture, Minufiya University, Egypt, from 06.11.2003 – 16.06.2007

5. Current study

- PostDoc, University of Helsinki, Department of Agricultural Sciences, Crop Sciences, Helsinki, Finland, from 5.2014.

6. Other education and training, qualifications and skills

- Computer (ICDL), Minufiya University, EGYPT, August 2008.
- SPSS program, Minufiya University, EGYPT March 2008.
- Applied statistics with R for the agricultural, life and veterinary sciences, Latvia University of Agriculture, LATVIA, June 2010.
- Modeling climate effects on crops and cropping systems, Aarhus University DENMARK, October 2010.
- University Pedagogy: Curriculum design and assessment of learning and teaching, Helsinki University, FINLAND, August 2011.
- Methods for working with crop models, Helsinki University, FINLAND, August 2012.

7. Previous work experience

- Work on the project of nutrient cycling from organic fertilizers and phosphorus accumulation in soil, University of Helsinki, Finland, 01.10.2013 – now.
- Work on the project of FORESTSPECS, University of Helsinki, Finland, during 2012.
- Time & stress management, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 08.07.2007 – 10.07.2007.
- Effective presentation skills, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 19.08.2007 – 21.08.2007.
- Student evaluation, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 28.08.2007 – 30.08.2007.
- International publishing of research, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 02.09.2007 – 04.09.2007.
- Credit hour system, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 22.06.2008 – 24.06.2008.
- Quality standards in teaching, Minoufia University Center for Faculty and Leadership Development Project, Egypt, 27.07.2007 – 29.07.2007.
- Member of improving teaching methodology of some practical courses through field application in different rural areas project, Minufiya University, Egypt, 01.09.2004 – 30.09.2006.
- Member of improving of some maize populations project, Minufiya University, Egypt, 01.02.2004 – 28.02.2006.
- Technical supervision, Agronomy research farm, Minufiya University, Egypt, 06.11. 2003 – 03.09.2008.

8. Merits in teaching and pedagogical competence

- Ecology and physiology of field crops
- Production efficiency of field crops
- Experimental design and analysis
- Cereal and fiber crops production
- Forage crops and pastures production
- Field crop technology

9. Awards, prizes and honours

- The big prize for the best poster presentation in Conference of Agricultural Science Day (Maataloustieteenpäivät), 10-11.1.2012, Helsinki, Finland (**Seleiman MF**, Mäkelä P, Santanen A, Stoddard F. Can sludge improve germination and growth of plants?)

10. Other academic merits

- Membership of Scientific Societies
 - Representative of the Council of Egypt Scientists in European Union, 20.02.2014- now.
 - Member, Nordic Association of Agricultural Sciences (NJF), national association of Finland, 01.01.2010- now.
 - Member of the International Scientific Council, The Euro-Arab Organization for Environment Water, and Desert Researchers, <http://ewdr.org/>, 01.01.2012-now.
- Referee for scientific and scholarly journals since 2010:
 - Agriculture, Ecosystems & Environment from Jan. 2014 – till now
 - Scientia Horticulturae, from Jan.2014 – till now
 - Internation Journal of Plant Production (IJPP), from Feb. 2014 till now
 - Italian Journal of Agronomy (IJA), from May 2012- till now
 - Australian Journal of Crop Science (AJCS), from Jan. 2012- till now

- World Applied Science Journal (WASJ), from May 2010- till now
- Emirates Journal of Food and Agriculture (ejfa), from Jan. 2010- till now
- African Journal of Agricultural Research (AJAR), from May 2012- till now

- Editorial board member:
 - Journal of Experimental Sciences (JES), 2011 – present
 - Asian Journal of Science and Technology (AJST), 2012 – present
 - International Journal of Recent Scientific Research (IJRSR), 2011 – present
 - Research Journal of Agricultural and Environmental Sciences, Sep. 2014 - present

11. Positions of trust in society and other societal merits

- General-secretary for Egyptian Community in Finland from 09.03.2012 – 08.03.2013.

B) List of Publications

1. Peer-reviewed scientific articles

1.1. Journal article (refereed), original research & review articles

- (13) **Seleiman M.F.**, Santanen A., Simojoki A., Soenne H. & Mäkelä P.S.A. 2014. Possible risks for food chain and environment related to the utilization of digested sludge as fertilizer. submitted to *Frontiers in Plant Science*
- (12) **Seleiman M.F.**, Santanen A., Stoddard F.L. & Mäkelä P.S.A. Ecological and economical impact of sewage sludge as fertilizer for bioenergy crops. Manuscript.
- (11) Hafez E.H., Abou El Hassan W.H., Freeg M.R., **Seleiman M.F.** 2014. Effect of gypsum and irrigation interval on yield and water use efficiency of rice grown on saline soil. *Under review, Agricultural Water Management Journal*.
- (10) Abou El Hassan W.H., Hafez EM, Ghareib A.A.A., Freeg M.R., **Seleiman M.F.** 2014. Impact of nitrogen fertilisation and irrigation on water utilization efficiency, N accumulation, growth and yields of *Zea mays* L. *Journal of Food, Agriculture & Environment* 12 (3&4), 217-222.
- (9) **Seleiman M.F.**, Santanen A., Jaakkola S., Ekholm P., Hartikainen H., Stoddard F.L. & Mäkelä P.S.A. 2013. Biomass yield and quality of bioenergy crops grown with synthetic and organic fertilizers. *Biomass & Bioenergy* **59**, 477-485.
- (8) **Seleiman M.F.**, Santanen A., Kleemola J., Stoddard F.L. & Mäkelä P.S.A. 2013. Improved sustainability of feedstock production with sludge and interacting mycorrhiza. *Chemosphere* **91**, 1236-1242.
- (7) **Seleiman, M.F.**, Santanen A., Stoddard F.L. & Mäkelä P.S.A. 2012. Feedstock quality and growth of bioenergy crops fertilized with sewage sludge. *Chemosphere* **89**, 1211-1217.
- (6) **Seleiman M.**, Abdel-Aal S., Ibrahim M. & Zahran G. 2011. Productivity, grain and dough quality of bread wheat grown with different water regimes. *Journal of Agro Crop Sciences* **2**, 11-17.
- (5) **Seleiman M.F.**, Ibrahim M., Abdel-Aal S. & Zahran G. 2011. Effect of sowing dates on productivity, technological and rheological characteristics of bread wheat. *Journal of Agro Crop Sciences* **2**, 1-6.
- (4) **Seleiman M.F.**, Ibrahim M.E., Abdel-Aal S.M. & Zahran G.A. 2010. Effect of seeding rates on productivity, technological and rheological characteristics of bread wheat (*Triticum aestivum* L.). *International Journal for Current Research* **4**, 75-81.
- (3) Ibrahim M.E., Abdel-Aal S.M., **Seleiman M.F.**, Khazaei H. & Monneveux P. 2010. Effect of different water regimes on agronomical traits and irrigation efficiency in bread wheat (*Triticum aestivum* L.) grown in Nile delta. *Wheat Information Service* **109**, 5-9.
- (2) **Seleiman M.F.**, Abdel-Aal S.M., Ibrahim M.E. and Monneveux P. 2010. Variation of yield and milling, technological and rheological characteristics in some Egyptian bread wheat (*Triticum aestivum* L.) cultivars. *Emirates Journal of Food and Agriculture* **22**, 84-90.
- (1) Abdel-Aal S.M., Ibrahim M.E. & **Seleiman M.F.** 2009. Effect of nitrogen fertilization on yield, technological and rheological characters of wheat (*Triticum aestivum* L.). *Egyptian journal of Agronomy* **31**, 95-107.

2. Book section, chapters in research books

- (1) Abdel-Salam A., Salem H.M., Abdel-Salam M.A. & **Seleiman M.F.** 2014. Phyto and chemical removal of heavy metal-contaminated soils. In *Heavy Metal Contamination of Soils: Monitoring and Remediation*. Eds. I. Sherameti & A. Varma. Series Soil Biology, Springer Verlag Germany. Accepted

3. Conferences

- (10) **Seleiman M.F.**, Santanen A., Stoddard F.L. & Mäkelä P.S.A. 2014. The impact of synthetic fertilizer on mycorrhiza activity in comparison to sludge application on cropland. Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25–29th August 2014, pp. 159–160.
- (9) **Seleiman M.F.** 2014. Potential interactions between land sludge application and mycorrhiza activity. Spring Symposium (23rd edition), Viikki Campus, University of Helsinki, Finland, 3rd – 5th March 2014, pp. 29–29.
- (8) **Seleiman M.F.**, Mäkelä P., Santanen A., & Stoddard F. 2012. Sewage sludge as nutrient source for energy crops. Lecture at 13th International Conference of Agronomy Sciences, Banha, Egypt, 9th – 10th September 2012. Eds. MI Salwau & NK El-Gizawy. Department of Agronomy, University of Banha, Banha, Egypt.
- (7) **Seleiman M.F.**, Mäkelä P., Santanen A. & Stoddard F.L. 2012. Biomass and leaf nitrogen content of maize grown with sludge. 12th Congress of the European Society for Agronomy, Helsinki, Finland, 20th – 24th August 2012. Eds. FL Stoddard & PSA Mäkelä. Maataloustieteiden laitoksen julkaisuja 14, pp. 430-431. (e-publication)
- (6) **Seleiman M.F.**, Mäkelä P., Santanen A. & Stoddard F. 2012. Effect of sludge on germination and growth of bioenergy crops. In *Maataloustieteen Päivät 2012 ” In English: Agricultural Science Day”* (e-publication). *Suomen Maataloustieteellisen seuran tiedotteita no 27*. Ed. A. Hopponen. www.smts.fi.
- (5) **Seleiman M.F.**, Santanen A., Stoddard F. & Mäkelä P. 2011. Bioenergy crops for biomass production and phytoremediation. 5th European Bioremediation Conference, 4th – 7th July 2011, Chania, Crete, Greece. Eds. N Kalogerakis & F Fava. 4 p.
- (4) **Seleiman M.F.**, Mäkelä P., Santanen A., Stoddard F. 2011. Growth and biomass quality of bioenergy crops grown with sewage sludge. 24th NJF Congress: Food, Feed, Fuel and Fun Nordic Light on Future Land Use and Rural Development, Uppsala, Sweden, 14th – 16th June, 2011. Eds. J Hultgren, P Persson, E Nadeau & F Fogelberg, pp. 48-48.
- (3) **Seleiman M.F.**, Santanen A., Stoddard F.L. & Mäkelä P. 2010. Maize and white lupin as bioenergy crops grown in soil amended with sewage sludge. *Proceedings of ‘Agro2010, the XIth ESA Congress’, Montpellier, France, August 29th – September 3rd, 2010*. Eds. J Wery, I Shili-Touzi & A Perrin. Agropolis International Editions, Montpellier, France, pp. 207-208.
- (2) **Seleiman M.F.**, Santanen A., Manninen-Egilmez P., Stoddard F. & Mäkelä P. 2010. Sewage sludge as nutrient source for bioenergy crops. In *Maataloustieteen Päivät 2010 ” In English: Agricultural Science Day”* (e-publication). *Suomen Maataloustieteellisen seuran tiedotteita no 26*. Ed. A. Hopponen. www.smts.fi.
- (1) International symposium of Water for Growth. Aswan, Egypt, 14.11.2007 – 21.11.2007, Audience.

4. Popularized article, newspaper article

- (2) Stoddard F., Mäkelä P., Santanen A., Egilmez P., **Seleiman M.F.**, Lizarazo Torres C., Räfså T., Hartikainen H. & Yli-Halla M. 2011. Valkolupiinista on moneksi (in Finnish). *Maaseudun Tiede* **68**, 2: 12.
- (1) **Seleiman M.F.**, Mäkelä P., Santanen A. & Stoddard F. 2010. Puhdistamoliete kasvattaa bioenergiakasvin massaa (in Finnish). *Maaseudun Tiede* **67**, 3: 10.

5. Public Seminar

- (1) Can we use sludge as fertilizer for bioenergy crops? June 2012, Organizers: Crop Sciences Department, Faculty of Agriculture, Minufiya University, Egypt.
- (2) Bioenergy in the South: The diverse impacts and future opportunities. 13 October 2014, Viikinkaari 11, Viikki campus, University of Helsinki. Organizers: Viikki Tropical Resources Institute (University of Helsinki) & UniPID (Finnish University Partnership for International Development).

6. Theses

G2 Master's thesis

Seleiman M.F. 2007. Effect of some agricultural practices on yield, technological and rheological characters of wheat crop. 186 p. Master's thesis in Agricultural Sciences, *Department of Crop Sciences, Faculty of Agriculture, Minufiya University, Egypt.*

G5 Doctoral dissertation (article)

Seleiman M.F. 2014. Towards sustainable intensification of feedstock production with nutrient cycling. 71 p. + appendices. Doctoral Dissertation. *Department of Agricultural Sciences, Section of Biology of plant production/ Crop Science, Publication no 22, University of Helsinki, Finland. Available from:*

https://helda.helsinki.fi/bitstream/handle/10138/42898/Mahmoud%20Seleiman_PhD%20Thesis.pdf?sequence=1

Mahmoud Seleiman

18.11.2014

