



Mohamed Ragab ABDELGAWWAD

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CIVIL STATE

Birth date: 6/2/1973
Nationality: Egyptian
Marital status: Married

EDUCATION

- 2016-Present **Associate Professor**, Genetics and Bioengineering Program, International University of Sarajevo, Faculty of Engineering and Natural Sciences.
- 2014-2016 **Associate Professor**, Head of Natural Sciences Dept., Genetics and Bioengineering Program coordinator, International University of Sarajevo, Faculty of Engineering and Natural Sciences. Paromlinska 66, Sarajevo 71000, Bosnia and Herzegovina.
- 2009-2014 **Assistant Professor**, International University of Sarajevo, Faculty of Engineering and Natural Sciences. Paromlinska 66, Sarajevo 71000, Bosnia and Herzegovina.
- 2008-2009 **Assistant Professor**, Botany Department, Faculty of Sciences, Fayoum University, Fayoum. Egypt.
- 2005-2008 **Ph.D, University of Perpignan**, Laboratory Genome and Development of Plants: Revelation of the specific interactions of the family members of the TRX and their potential targets, by the technique of double hybrid. Grade: **Honorable**. University of Perpignan, Laboratory Genome and Development of Plants LGDP, Perpignan, FRANCE.
- 2002-2003 **Higher Diploma of Study and Research (DSER) Msc**, Option: Life sciences, "In situ expression of two storage protein genes in relation to histo-differentiation at mid-embryogenesis in Medicago truncatula and Pisum sativum seeds." Grade: **Honorable**. University of Bourgogne, Faculty of Sciences, Dijon, FRANCE.
- 1996-1997 **M.Sc. Courses in botany**, Grade: **Excellent**, Minia University, Minia, EGYPT.
- 1991-1995 **B.Sc. Of Botany Department**, Grade: **Very Good**, Minia University, Minia, EGYPT.

SOCIETY MEMBER

Founder and President of International Network for Applied Sciences and Technology. www.inast.org
Chief in editor - Journal of Plant Biology Research. www.inast.org/jpbr.html
Member of Asian Council of Science Editors ACSE.
Editorial board Member of American Journal of Phytomedicine and Clinical Therapeutics.

Editorial board Member of Network Biology.
 Member in the legume seed research Organization.
 Editorial board Member of Journal of Ecobiotechnology.
 Editorial board Member of Phytology journal.
 Regional Member of EMBL
 Editorial board Member of Science Alert Journal network.
<http://abouteditor.com/mragab>

EXPERIENCE

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| 1998-2001 | Teaching assistant, Department of Botany, Faculty of Science, University of Cairo, EGYPT. Practical Courses, Research tasks in laboratory. |
| 1996-1998 | Teaching assistant, Department of Botany, Faculty of Science, University of Minia, EGYPT. Practical Courses, Research tasks in laboratory. |
| Feb. 2003 | Training course in (technique of <i>in situ</i> hybridization).Laboratory of histology, CIRAD of Montpellier, France. |
| May 2000 | Intensive course in (Biotechnology and Applications).Mediterranean Agronomic institute of Chania, Greece. |
| 2009 | Coordinator of Bioengineering program (International University of Sarajevo) |

CONFERENCES

- | | |
|-------------------|--|
| 22-23 July 2017 | International Conference on Molecular Biology and Bioinformatics (ICMBB 2017). <i>Oral presentation.</i> |
| 7-9 May 2017 | 2nd World Congress & Expo on Biotechnology and Bioengineering" (Interactome analysis and docking sites prediction of MutS Homologs (MSH) proteins in <i>Arabidopsis thaliana</i>)(Biotechnology-2018), Dubai, UAE. <i>Oral presentation.</i> |
| 9-12 Novemver2011 | International Conference (<i>Medicinal and Aromatic Plants in generating New Values for the 21st century</i>). Sarajevo, Bosnia and Herzegovina. <i>Oral presentation.</i> |
| 6-9 september2011 | 7th international conference "Structure and Stability of Biomacromolecules" Kosice, Slovakia. <i>Oral presentation.</i> |
| 17-18 October2009 | The 2nd International Conference for Applications of Biotechnology, (ICAB-2009). October University for Modern Sciences & Arts (MSA), Egypt. |
| 24-25 Sept. 2009 | First International Symposium on Structural Systems Biology, Hamburg, Germany. |
| 9-10 June 2009 | International Symposium on Sustainable Development, International Burch University, Sarajevo. <i>Oral presentation.</i> |
| December 2007 | Meeting of French-spanish researchers (Perpignan, FRANCE). |
| 15 May 2006 | 3ème journée de la Biologie Végétale, IRF 128, « Adaptation, Perception et Réponses des Plantes à l'environnement » (Montpellier, FRANCE). |

- 26-30 June 2005 Redoxins and related proteins Conference (Aussois, FRANCE).
- 13 May 2005 2ème journée de la Biologie Végétale, IRF 127, « Adaptation, Perception et Réponses des Plantes à l'environnement » (Montpellier, FRANCE).

PUBLICATIONS

- 1- M.A. Darmency, M.R. Abdel-gawwad, B. Babouillard, A. Moessner J.L. Verdeil, and R.Thompson. 2004; Histo-differentiation during seed development in *Medicago truncatula* and in *Pisum sativum*. 5ème European Conference on grain legumes with the ICLGG 7-11 June Dijon, France. INRA.
- 2- Abirached-Darmency M., **Abdel-Gawwad M.R.**, Conejero G., Verdeil J.L. and Thompson R. 2005. In situ expression of two storage protein genes in relation to histo-differentiation at mid-embryogenesis in *Medicago truncatula* and *Pisum sativum* seeds. *Journal of Experimental Botany* 56 (2005) 2019-2028.
- 3- Meyer, Y., C. Riondet, L. Constans, **M. R. Abdelgawwad**, J. P. Reichheld, and F. Vignols. 2006. Evolution of redoxin genes in the green lineage. *Photosynth Res* 89:179-92.
- 4- M. R. Abdel Gawwad. Prediction of 3-Dimensional Structure of vicilin storage protein homologues in Pea seeds. 1st International Symposium on Sustainable Development, Sarajevo 2009.
- 5- Jasmin Šutković, Daria Ler, **Mohamed Ragab Abdel-Gawwad** , **In vitro production of solasodine in *Solanum nigrum* under salinity stress** , *Journal of Phytology (J Phyto)* 2011, 3(1): 43-49, ISSN: 2075-6240.
- 6- **Mohamed Ragab Abdel Gawwad**, Jasmin Šutković, Lavinija Mataković, Mohamed Musrati¹, Lizhi Zhang. 2013. **Functional interactome of Aquaporin 1 sub-family reveals new physiological functions in *Arabidopsis thaliana***. *Network Biology*, 2013, 3(3): 87-96
- 7- **M. R. Abdel Gawwad**, J. Šutković, E. Zahirović, F. B. Akcesme, B. Akcesme, and L. Zhang. 2013. **3D Structure Prediction of Replication Factor C Subunits (RFC) and their Interactome in *Arabidopsis thaliana***. *Network Biology*, 2013, 3(2): 74-86.
- 8- Jasmin Sutkovic, Amar Cemanovic, **Mohamed Ragab Abdel Gawwad**. 2013. **Comparative structural analysis of HAC1 in *Arabidopsis thaliana***. *Network Biology*, 2013, 3(4)
- 9- Ebrahim Alinia Ahandani, **Mohamed Ragab Abdel Gawwad**, Alimohammad Yavari. 2013. **Extraction and Preparation of Psoralen from different Plant Part of *Psoralea Corylifolia* and Psoralen Increasing with some Elicitors**. *Journal of Plant Biology Research (eISSN: 2233-0275)*. 07/2013; 2(1):25-37.
- 10- Amar Čemanović¹, Jasmin Šutković¹, Waleed Elkhoby and **Mohamed Ragab Abdel Gawwad**. 2014. **3D structure prediction of histone acetyltransferase (HAC) proteins of the p300/CBP family and their interactome in *Arabidopsis thaliana***. *Network Biology*, 2014, 4(3)

- 11- Rajib Roychowdhury, **Mohamed R. Abdel Gawwad**, Upasana Banerjee, Sunanda Bishnu and Jagatpati Tah. 2013. **Status, trends and prospects of organic farming in India: A Review.** Journal of Plant Biology Research (eISSN: 2233-0275), 2(2): 38-49.
- 12- Jasmin Sutkovic, **Mohamed Ragab Abdel Gawwad**. 2014. **In silico prediction of three-dimensional structure and interactome analysis of Tubulin α subfamily of Arabidopsis thaliana.** Network Biology, 2014, 4(1).
- 13- **Mohamed Ragab Abdel Gawwad**, Sükran Alpdemir and Edina Eminagic. 2015. **Interactome Analysis and Docking Sites of PCNA Subunits Reveal New Function in Arabidopsis thaliana.** *Current Proteomics*, 12(3): 152-167.
- 14- Secic Ena, Jasmin Sutkovic and Mohamed Ragab Abdel Gawwad. 2015. **Interactome Analysis and Docking Sites Prediction of Radiation Sensitive 23 (RAD 23) Proteins in Arabidopsis Thaliana.** *Current proteomic*, 12(4).
- 15- **Mohamed R. Abdel Gawwad** and Mohamed A Musrati. 2015. **In silico Structural and Functional Analysis of Arabidopsis thaliana's XPB Homologs.** *Current Proteomics*, 12(4): 236-244.
- 16- Mohamed Ragab Abdel Gawwad, Aida Kadunic, Muhamed Adilović, Aida Hamzi Kaljanac and Aida Maric. 2016. **Analysis of DNA Damage-Binding Proteins (DDBs) in Arabidopsis thaliana and their Protection of the Plant from UV Radiation.** *Current Proteomics*. 14 (2) 146-156. doi 10.2174/1570164614666161205143327.
- 17- Mohamed Ragab Abdel Gawwad, Dilruba Ucuncu, Muhamed Adilović and Aida Marić. **2017. Interactome Analysis and Docking Site Prediction of Cockayne Syndrome A (CSA) Proteins in Arabidopsis thaliana.** *Current Proteomics*, 14 (3) 242-251. doi 10.2174/1570164614666170118113545,
- 18- Jingjing Huang, Adnan Khan Niazi, David Young, Leonardo Astolfi Rosado, Didier Vertommen, Nandita Bodra, Mohamed Ragab Abdelgawwad, Florence Vignols, Bo Wei, Khadija Wahni, Talaat Bashandy, Laetitia Bariat, Frank Van Breusegem, Joris Messens, and Jean-Philippe Reichheld. 2017. **Self-protection of Arabidopsis cytosolic malate dehydrogenase against oxidative stress.** *Journal of Experimental botany*, <https://doi.org/10.1093/jexbot/53.372.1227>

Book Chapter

- 19- Rajib Roychowdhury, Abdelmoumen Taoutaou, , **Mohamed R. Abdel Gawwad**, Amrita Paul and Jagatpati Tah. 2013. **Molecular Marker-Assisted Technologies for Crop Improvement.** Indian press .

Book

- 20- **Mohamed R. Abdel Gawwad** and Mohamed Musrati. 2014. **Practical Botany.** Dobraknjiga Sarajevo. 2014. ISBN 978-9958-27-209-7

TEACHING

Undergraduate

Techniques in molecular biology	Plant structure and physiology
Plant pathology	Genetic engineering
Protein engineering	Bioinformatics

Postgraduate

Advanced Protein engineering
Bioimaging systems

Advanced Plant Physiology
Omics technology

ONGOING PROJECTS

- 3 projects of European Cooperation in Sciences and Technology COST as management committee Member
- **Project FA0905: Mineral-improved crop production for healthy food and feed.**
- **Project FA1103: Endophytes in Biotechnology and Agriculture.**
- **Project FA1106: An integrated systems approach to determine the developmental mechanisms controlling fleshy fruit quality in tomato and grapevine**

IT KNOWLEDGE

Main computer applications and statistical software, Expert in bioinformatics, 3D structure prediction of Proteins.

LANGUAGES:

Arabic: Native language.

English: Very Good.

French: Very Good.

HOME PAGES:

<http://gbe.ius.edu.ba/gbe-academic-staff>

https://www.researchgate.net/profile/Mohamed_Abdel_Gawwad

https://www.linkedin.com/in/mohamed-ragab-abdel-gawwad-9b083b3b?trk=nav_responsive_tab_profile_pic