

Application Form for Editorial Board

Dr. Mohamed Ahmed El-Esawi



Part I: Basic Information

Beginning date of editorial work	Starting from NOW
Subject areas I am interested in	Biology, Agricultural and Life Sciences (Crops, Botany, Plant Sciences, Plant Breeding, Plant Genomics, Genetics, Gene Structure, Gene Expression, Replication, Recombination, Nucleic Acids, Proteins, Bioinformatics, Biodiversity, Biotechnology, Cell Biology, Molecular Biology, Developmental Biology, Plant Cytology, Plant Tissues and organ, Plant Anatomy, Morphology, Physiology, Biochemistry, Taxonomy, Ecology, Microbiology, Forestry, Agriculture, Horticulture, Sustainable Agriculture, Ecological Agriculture, Agronomy, Pests, Diseases & Weeds, Plant Fertilization, Soil Science, Growth Cycles, Plant Growth Regulation, etc.).

Part II: Information about Applicant

Family Name	El-Esawi	Given Name(s)	Mohamed
Gender	Male	Country	Egypt
Position or Title	Lecturer and researcher		
Organizational Affiliation	Tanta University, 31527 Tanta, Egypt (currently I am a visiting research fellow at the University of Warwick, England, United Kingdom).		
1 st E-mail	elesawi2005@yahoo.com		
2 nd E-mail	elesawi2005@yahoo.com		
Phone	00201024824643	Cell phone	(optional) 00201024824643
Fax	(optional)		
Postal Address	Botany Department, Faculty of Science, Tanta University, 31527 Tanta, Egypt		
Working Experience	<p>Professional Positions and Teaching Experience</p> <p>*2013-Present: Research Fellow, School of Life Sciences, University of Warwick, United Kingdom (in collaboration with the University of Oxford, United Kingdom).</p> <p>*2012-2013: Lecturer and Researcher, Botany Department, Faculty of Science, Tanta</p>		

	<p>University, Egypt.</p> <p>*2009-2012: PhD Researcher and Demonstrator, College of Science, Dublin Institute of Technology, Ireland.</p> <p>*2008-2009: Assistant lecturer and Researcher, Botany Department, Faculty of Science, Tanta University, Egypt.</p> <p>*2003-2008: Demonstrator and Researcher, Botany Department, Faculty of Science, Tanta University, Tanta, Egypt</p> <p>I taught various courses for students in Biology, Molecular Biology, Plant and Microbial Genetics, Plant Systematics and Population Genetics, Crops Biodiversity, Genomics, Evolutionary Biology, Cytogenetics, Bioinformatics, Biotechnology, Plant Breeding, Taxonomy, Agriculture Sciences, Food Sciences, Plant Anatomy and Ecology, Morphology, and Microbiology at Tanta University (2003-2008, 2012-2013) and Dublin Institute of Technology (2009-2012). I was giving practical lab trainings to students in methodologies of biotechnology, molecular biology, genetics and genomics including recent next-generation sequencing technologies. I trained students to use bioinformatics software tools and packages in genomics and statistical genetics datasets analyses. I supervised the B.Sc research projects at Dublin Institute of Technology (2009-2012) and Tanta University.</p> <p>Research Interests</p> <p>I am very fascinated by genetics, genomics, biology, bioinformatics and computers. My research interests strongly focus on studying plant biotechnology and population genetics, crops biodiversity and conservation strategies, evolutionary biology, plant breeding and genetics, plant genomics and transcriptomics, genomic selection, plant physiology and molecular biology, plant phenomics and proteomics, propagation and genetic improvement of cereals and crops yield, plant transformation and tissue culture, regeneration of fertile transgenic plants, identification and characterization of genes, promoter analysis of genes, molecular diagnosis of microbial diseases, bioinformatics of datasets, quantitative and statistical genetics and agricultural sciences.</p> <p>Laboratory, Bioinformatics and Statistical Analysis Experience</p> <p>1. I am practically carrying out genetic, genomic, biotechnological and molecular biology techniques and markers such as PCR technology, next-generation genotyping-by-sequencing (GBS), sequence alignment and analysis, PCR primer designing, qRT-PCR, TILLING, SNPs genotyping, SSRs, ISSR, AFLPs, RFLPs, RAPD, Isozymes, SDS-PAGE, gene isolation and purification, , genome walking, DNA cloning and sequencing, genomic DNA library construction, DNA and RNA extraction, cDNA synthesis, microarrays, gel electrophoresis, DNA fingerprinting, DNA transformation and tissue culture techniques, histochemical and microscopic assays, and Kinase analysis.</p> <p>2. I am very fascinated and experienced in using computer programming (Java, Python, Perl) and bioinformatic software tools and packages such as TASSEL, SAS, Genstat, SYSTAT, Popgen, GenAIEx, Structure, CLC DNA Workbench, ClustalW</p>
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	and X, MUSCLE v3.6, BLAST, In Silico PCR, GelCompar II and BioNumerics.
Education	<ol style="list-style-type: none"> 1. PhD in Plant Genetics and Molecular Biology from Dublin Institute of Technology (DIT), Ireland, in October 2012. 2. M.Sc. in Plant Genetics and Molecular Biology from Tanta University, Egypt in June 2008. 3. Bachelor of Science (B.Sc.) in Biology (Botany) (1.1, First-Class Honors, First Rank in Class) from Tanta University, Egypt in June 2003.
Membership of Institutions, Associations and Editorial Board	<p>Membership of Professional Societies and Associations</p> <ol style="list-style-type: none"> 1. The High Value Chemicals from Plants Network, United Kingdom. 2. Egyptian Syndicate of Scientific Professions, Egypt. 3. Egyptian Society of Experimental Biology, Egypt. <p>Membership of Peer-Reviewed International Journals</p> <p>I am a peer-reviewer for the following international journals</p> <ol style="list-style-type: none"> 1. Journal of The American Society For Horticultural Science (USA). 2. Journal of Biology and Life Sciences (USA). 3. Journal of Agricultural Studies (Canada) 4. Journal of Applied Biotechnology (Canada)
Publications	<p>Publications in peer-reviewed journals</p> <hr/> <p>El-Esawi et al. (2012). Assessment of morphological variation in Irish <i>Brassica oleracea</i> species. <i>Journal of Agricultural Science</i>, North America, 4, aug. 2012.</p> <p>El-Esawi et al. (2012). Assessing the genetic diversity and relationships in Irish <i>Brassica oleracea</i> species based on microsatellites markers. Full research article at the Proceedings of the Fifth Saudi Science Conference (SSC5 2012), Umm Al Qura University, Saudi Arabia (April 16-18, 2012).</p> <p>Reda H.Sammour, Salwa Badr, Abd.El-Zaher Mustafa, Mohammed El-Esawi (2013): Genetic variation within and among some <i>Lactuca</i> spp. Based on karyotype analysis. <i>Applied Cell Biology</i>, ACB, 2(4): 136-143.</p> <p>El-Esawi M. and Sammour R. (2014). Karyological and phylogenetic studies in the genus <i>Brassica</i> L. <i>Cytologia</i>, 18(4):83-88.</p> <p>El-Esawi et al. (2014). AFLP analysis of genetic diversity and phylogenetic relationships in Irish <i>Brassica oleracea</i> species. <i>New Phytologist</i>, <i>in press</i></p> <p>El-Esawi et al. (2014). Molecular characterization of genetic diversity in Irish <i>Brassica</i> species based on microsatellite markers. [Manuscript Accepted]</p> <p>El-Esawi et al. (2014). Identification and molecular evolution of <i>RPS2</i> gene homologs and evaluation of sources of resistance to <i>Xanthomonas campestris pv. campestris</i> in Irish <i>Brassica oleracea</i>. [Manuscript under preparation]</p> <p>El-Esawi et al. (2014): Genetic diversity within and among <i>Lactuca</i> populations using morphological, iozymes and RAPD markers. [Manuscript under preparation]</p>

Conferences Papers, and Poster and Oral Presentations

1. **El-Esawi et al.** (2014). Characterization of black rot disease resistance genes in *Brassica* species. Proceedings of The conference of molecular biology of plant pathogen-interactions (MBPP 2014) (University of Reading, UK; 25-27th March 2014).
2. **El-Esawi et al.** (2014). The international conference of next generation sequencing (NGS) methods for identification of mutations and large structural variants (Lausanne, Switzerland; 11-12th March 2014).
3. **El-Esawi et al.** (2014). Identification of single-nucleotide polymorphism (SNP) markers and sources of resistance to *Xanthomonas campestris* pv. *campestris* in *Brassica* L. Proceedings of the Conference of Crop Genomics and Plant Breeding, the Genome Research Working Group, Max Planck Institute for Plant Breeding Research, Cologne, Germany (11-13 February 2014).
4. **El-Esawi, M.** (2012). Molecular characterization of genetic variation and disease resistance genes in Irish *Brassica oleracea* species. Proceedings of the Seventh International Conference on Biological Sciences. Faculty of Science, Tanta University, Tanta, Egypt (5-6 December 2012).
5. **El-Esawi et al.** (2012). Assessing the genetic diversity and relationships in Irish *Brassica oleracea* species based on microsatellites markers. Proceedings of the fifth Saudi Science Conference (SSC5 2012), Umm Al Qura University, Saudi Arabia (April 16-18, 2012).
6. **El-Esawi et al.** (2012). AFLP analysis of genetic polymorphism and evolutionary relationships in a core collection of *Brassica oleracea* accessions. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2012), National Botanic Gardens, Glasnevin, Dublin, Ireland (April 3-5, 2012)
7. **El-Esawi et al.** (2012). Simple Sequence Repeat analysis of genetic diversity and relationships in a core collection of *Brassica oleracea* accessions. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2012), National Botanic Gardens, Glasnevin, Dublin, Ireland (April 3-5, 2012)
8. **El-Esawi et al.** (2012). Identification and evaluation of *RPS2* gene homologs and sources of resistance to *Xanthomonas campestris* pv. *campestris* in Irish *Brassica oleracea* species. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2012), National Botanic Gardens, Dublin, Ireland (April 3-5, 2012).
9. **El-Esawi et al.** (2012). Identification and characterization of *RPS2* disease resistance gene in Irish *Brassica oleracea* germplasm. Proceedings of the International Conference of Molecular Mapping & Marker Assisted Selection (VIPCA 2012), University of Veterinary Medicine, Vienna, Austria (February 8 - 11, 2012).
10. **El-Esawi et al.** (2012). Molecular characterization and genetic diversity of Irish *Brassica oleracea* species based on AFLP markers. Proceedings of the International Conference of Molecular Ecology (VIPCA 2012), University of Veterinary Medicine, Vienna, Austria (February 4 - 7, 2012).
11. **El-Esawi et al.** (2011). Molecular characterisation of Irish *Brassica oleracea* species using microsatellites (SSRs) markers. Second Annual Graduate Research

	<p>Symposium, Dublin Institute of Technology, Ireland.</p> <p>12. El-Esawi <i>et al.</i> (2010). Study of genetic diversity in Irish <i>Brassica oleracea</i> species to benefit Irish agriculture and economy. First Annual Graduate Research Symposium, Dublin Institute of Technology, Dublin, Ireland.</p> <p>13. El-Esawi <i>et al.</i> (2010). Assessing the genetic diversity and phylogenetic relationships in Irish <i>Brassica oleracea</i> species based on morphological traits. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2010), University College Dublin, Dublin, Ireland (June 2-4, 2010).</p> <p>14. El-Esawi <i>et al.</i> (2010). Genetic diversity and phylogenetic relationships in <i>Lactuca</i> species based on morphological traits. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2010), University College Dublin, Dublin, Ireland (June 2-4, 2010).</p> <p>15. El-Esawi <i>et al.</i> (2010). Assessing the genetic diversity and relationships in <i>Lactuca</i> species based on RAPD markers. Irish Plant Scientists' Association Meeting (IPSAM 2010), University College Dublin, Dublin, Ireland (June 2-4, 2010).</p> <p>16. El-Esawi <i>et al.</i> (2010). Assessing the genetic diversity and phylogenetic relationships in <i>Lactuca</i> species based on isozyme markers. Proceedings of the Irish Plant Scientists' Association Meeting (IPSAM 2010), University College Dublin, Dublin, Ireland (June 2-4, 2010).</p> <p>17. One of The Organization Team of The Fifth International Conference on Biological Sciences. Faculty of Science, Tanta University, Tanta, Egypt (5-6 November 2008).</p> <p>18. One of The Organization Team of The Fourth International Conference on Biological Sciences. Faculty of Science, Tanta University, Tanta, Egypt (1-2 November 2006).</p> <p>Forthcoming Conferences that will be attended</p> <hr/> <p>I have already registered and submitted accepted abstracts, in Plant Genomics and Genetics, to all the following forthcoming conferences;</p> <p>19. Food, Agriculture Genomics Congress (London, UK; 7-8 April 2014)</p> <p>20. UK Brassica Conference (University of Warwick, UK; 15 May 2014)</p>
Additional Information	<p>Awards and Research Achievements</p> <hr/> <p>1. Awarded a funding used for attending the International Conference of Molecular Ecology, University of Veterinary Medicine, Vienna, Austria (VIPCA 2012) and other international conferences.</p> <p>2. Awarded a competitive funding (17, 000 Euros) from the Department of Agriculture, Fisheries and Food in Ireland in 2009, to fund a project "Genetic Diversity and Disease Resistance Genes in <i>Brassica</i>".</p> <p>3. Awarded ABBEST PhD Scholarship from Dublin Institute of Technology, Ireland in 2009.</p> <p>4. Awarded the CNPq-TWAS Postgraduate Fellowship from Brazil in 2008.</p> <p>5. Awarded ICDL certificate (International Computer Driving Licence) in 2008</p>

6. Awarded a 4-year funded M.Sc research) from Tanta University, Egypt in 2004.
7. The first rank in B.Sc class with a First-Class Honors grade from Tanta University in 2003.

Training, Workshops and Internships Attended

I have attended all the following training, workshops and internships;

1. Mini-symposium entitled "Next Generation Sequencing (NGS) methods for identification of mutations and large structural variants", co-organized by European projects AllBio and COST action SeqAhead (hosted by the SIB Swiss Institute of Bioinformatics, Lausanne, Switzerland; 11-12 March 2014).
2. Workshop on next-generation sequencing (hosted by University of Warwick, England, 16 January 2014).
3. Two workshops on Technology transfer to ISSA (Irish Seed Saver Association) personnel (Scariff County Clare, Ireland; 15 July and 13 August 2010).
4. Training course (Sint-Martens-Latem, Belgium; 28-30 June 2010): This workshop provided training in the gel analysis software package GelCompar II and BioNumerics.
5. Mini-symposium (the University of Fribourg, Switzerland; 7-9 September 2009): A 3-day workshop in polyploidization, plant fitness and trophic interactions.
6. CUSO workshop (la Fouly, Switzerland; 30 August-2 September 2009): A 3-day workshop in "evolution in metapopulations".
7. Training course (Copenhagen, Denmark; 17-21 August 2009): This course focused on 'molecular marker analysis of plant population structure and processes' and provided experience in statistical programs such as GenAlEx, Structure, AFLPOP, MEGA, ClustalW and X, etc.
8. The European Bioinformatics Institute (EBI) Workshop: From Genotype to Phenotype: Resources and Challenges (Hinxton, Cambridge, United Kingdom; 10-11 June 2009).
9. A 2-day course on Introduction to Proteomics and Mass Spectrometry (Credit Rating 2.5) (National Institute for Cellular Biotechnology, Dublin City University, Ireland; 9-10 June 2011).
10. Courses on internet and communication, computers, machine learning and Bioinformatics software packages hosted by international institutions and companies in 2005, 2007, 2008, 2009, 2010, 2012, 2013.
11. Training courses on genomics and molecular biology techniques, PCR technology, gene isolation and cloning, next-generation sequencing, PCR primer design, DNA (DIT, Ireland in 2009 and 2011).
12. Training workshop on "How to write and publish scientific papers in high impacted journals" (University College Dublin in 2010).
13. Training courses on First Aid, Fire Safety and Manual Handling (DIT in 2009 and 2012).
14. A 3-day courses on Effective Communication and Presentation Skills, Time Management, Credit Hours System, Research Ethics and Quality Standards in Teaching (Tanta University, Egypt, 2007, 2012).

Privacy

All information you have given in this form will only be used for selecting reviewers/editorial members for the journal. We guarantee this information will be not used for any other purpose.

Declaration

Submitting this form means that you guarantee the information you have given is truthful, complete and correct. The furnishing of false or misleading information on this form may result in criminal sanctions and/or civil sanctions.