

Curriculum vitae

Prof. Dr. Mohamed Magdy Fahim Mansour
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Education

Ph.D.: University of Minnesota, St. Paul, Minnesota, U.S.A., 1990, Plant Physiology:
Environmental stress physiology, Salinity stress.
M.S.: Ain Shams University, Fac. of Science, Cairo, Egypt, 1983, Plant Physiology.
B.S.: Ain Shams University, Fac. of Science, Cairo, Egypt, 1978, Botany.

Teaching Experience

Professor: Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, 2001-present.
Professor: Dept. of Biology, Fac. of Science, Taif Univ., Taif, Saudi Arabia, 2007-2017.
Associate professor: Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, 1996-2000.
Assistant professor: Dept. of Biology, Fac. of Education, King Saud Univ., Abha, Saudi Arabia, 1994-1999.
Lecturer: Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, 1990-1994.
Assistant lecturer: Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, 1983-1990.
Teaching assistant: Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, 1978-1983.

Awards and Honors

- Among the list of the World Top 2% Scientists Released by Stanford University, USA, for the years 2020, 2021, and 2022.
- USA-AID fellowship for Ph.D. study, 1985-1990.
- Postdoctoral fellowship, Univ. of Groningen, Dept. of Plant Biology, Groningen, The Netherlands, 1992-1993.
- Nomination by French side for an EU sponsored 3-years project between EU countries (France, Belgium) and developing countries (Egypt, Tunisia).
- Recipient of competitive research project, King Abdul Aziz City for Science and Technology, Rayed, Saudi Arabia.
- Recipient of competitive research project, Ain Shams University, Cairo, Egypt.
- Recipient of competitive research project, Taif University, Taif, Saudi Arabia.
- Chosen by New York Academy of Sciences to be an active member in the academy.
- Chosen by American Association for the Advancement of Science to be a member in the association.
- Chosen by the Committee of who's who in the world to be included in the edition of December 2007.
- Chosen by the Committee of who's who in Science and Engineering to be included in the 2006-2007 edition.
- Chosen by the Editorial Board of The Contemporary Who's who for inclusion in their publication.
- Chosen by International Biographical Center as one of 2000 Outstanding Intellectuals of the 21st century.
- Chosen by International Biographical Center as international scientist of the year for 2003.
- Chosen by American Biographical Institute for the prestigious title MAN OF THE YEAR-2003.
- Chosen by American Biographical Institute to be a member of their Distinguished Research Board of Advisors.
- Chosen by Alexander von Humboldt Foundation as a referee for the scientific qualifications of their applicants.
- Chosen by the Third World Academy of Sciences (TWAS) as a referee for evaluation of the candidates of TWAS membership election.

- Chosen as a referee for evaluation of the applicants of the Foreign Faculty Hiring Program (FFHP), Higher Education Commission, Pakistan.
- Chosen by the organizers of the Joint conference of Egyptian Botanical Society and Dept. of Botany, Ain Shams Univ., Cairo, March 2004 as a member of the conference scientific committee and invited speaker.
- Chosen by The Haworth Press to write a prepublication review for the book entitled "Abiotic Stresses: Plant Resistance through Breeding and Molecular Approaches". Editors: M. Ashraf and P.J.C. Harris, 2005.
- Awardee of the top highly cited biologist at Taif University.
- Invited member, The Asian Council of Science Editors (ACSE) to be a complementary member from 2016-present.
- Author of eleven review articles published in Elsevier and Springer journals.
- Author of seven invited book chapters published by Elsevier, Springer, Nova Science Publishers, and John Wiley & Sons.
- Author of two Plant Physiology books (in Arabic) published by Taif University, Saudi Arabia, and Dar Elfikr Elaraby, Egypt.
- Awardee of the Elsevier Reviewing Recognition Award, Plant Physiology and Biochemistry.
- The publication: Mansour MMF 2000, Nitrogen containing compounds and adaptation of plants to salinity stress, Biol. Plant. 43: 491-500 has been ranked the number one most downloaded article within the Biologia Plantarum for the year 2000.
- The publication: Mansour MMF, Salama KHA 2004, Cellular basis of salinity tolerance in plants, Environ. Exp. Bot. 52: 113-122 has been ranked the number five of the top hottest 25 articles within the Environmental and Experimental Botany for the year 2004.
- Most popular paper for years is "Mansour MMF 2013, Plasma membrane permeability as an indicator of salt tolerance in plants, Biol. Plant. 57: 1-10" which had most views and reads based on Academia.edu. and ResearchGate.
- The publication: Mansour MMF, Ali EF 2017, Evaluation of proline functions in saline conditions, Phytochemistry, 140: 52-68 has been ranked the number one of the most downloaded articles for the year 2017.
- The publication: Mansour MMF, Ali EF 2017, Evaluation of proline functions in saline conditions, Phytochemistry, 140: 52-68 has been ranked the number one of the top twenty-five most cited articles for the years 2017-2020.
- The publication: Mansour MMF, Ali EF 2017, Evaluation of proline functions in saline conditions, Phytochemistry, 140: 52-68 has been ranked the number one of the "top papers of three highly cited papers based on Essential Science Indicators" in the study published by Yuan B, Bie Z, Sun J (2021) Bibliometric analysis of global research on muskmelon (*Cucumis melo* L.) based on web of science. HortScience 56: 867-874.
- The most continuous read, downloaded, mentioned, and cited author from Dept. of Botany, Ain Shams Univ., and Dept. of Biology, Taif Univ., according to ResearchGate and Academia Edu.
- Author of an article on the scientific miracle of the Quran: versus 99 of Sura Al-Anaam, published in Al-Ajaz Journal, Muslim World League, Mecca, Saudi Arabia.
- Invited by Israeli professor to submit a joint application for the MERC grant, USA, 2004.
- Requested by a British post doctor (Univ. of York) to carry out research with me in Egypt.
- Requested by Algerian post doctor to carry out research with me in Egypt.
- Requested by American post doctor (Univ. of Florida) to carry out research with me in Egypt.
- Requested by a Bengali Ph.D. student to pursue his Ph.D. study with me in Egypt.
- Requested by an Iranian post doctor to carry out research with me in Egypt.
- Requested by an Iranian post doctor to translate one of my reviews to Persian.
- Requested by an Indian post doctor to carry out research with me in Egypt.
- Publons Academy Supervisor for mentoring trainees by providing expert advice and assessment regarding trainees' peer review skills.
- Invited to Submit a Scholarly Book Proposal to international publishers: Springer Nature, Cambridge Scholars Publishing, Intech Open, Bentham.

Academic Activities

- Editorial Board Member, BMC Plant Biology, Springer Nature, 2021-present.
- Guest Associate Editor, Frontiers in Plant Science, 2020-present.
- Co-Editor-in-Chief, Egyptian Academic Journal of Biological Sciences (Botany), 2010-present.

- Editorial and Advisory Board Member, *International J. of Agriculture and Biology*, 1999-present.
- Editorial and Advisory Board Member, *Plant Science*, Cambridge Scholars Publishing, UK, 2017-present.
- Editorial Board Member, *J. of Advances in Plant Biology*, 2018-present.
- Editorial Board Member, *International J. of Advanced Research in Botany*, 2018-present.
- Editorial Board Member, *SEJ Life Sciences*, 2018-present.
- Editor-in-Chief, *Asian J. of Botany*, 2018-2019; the journal discontinued.
- Editorial Board Member, *Global J. Botanical Sci.*, 2014-2021.
- Editorial Board Member, *Global J. Agricultural Innovation, Research & Development*, 2017-2021.
- Editorial Board Member, *International J. of Plant Biotechnology*, 2015-2018.
- Associate Editor, *The Open Plant Science J.*, 2017-2019.
- Editorial Board Member, *Advances in Agricultural Science*, 2017-2021.
- Editorial Board Member, *Bioscience Research*, 2004-2011.
- Editorial Board Member, *African J. of Agricultural Research*, 2006-2012.
- Editorial Board Member, *American J. of Plant Physiology*, 2006-2010.
- Editorial Board Member, *Asian J. of Plant Sciences*, 2004-2016.
- Editorial Board Member, *International J. of Botany*, 2010-2013.
- Editorial Board Member, *Journal of Basic & Applied Sciences*, 2017-2019.
- Invited guest editor for volume 5, issue 1 of the *American Research Journal of Agriculture*, July 2, 2019.
- Editor of special issue: ROS and Abiotic Stresses. *Journal of Advances in Plant Biology*, vol. 1, issue 2, 2019.
- Research topic editor: Salt tolerance in plants: Molecular and functional adaptations. *Frontiers in Plant Science*. Submission open.
- Scientific Reviewer, *Environmental and Experimental Botany*, *Protoplasma*, *Plant Stress*.
- Scientific Reviewer, *Frontiers in Plant Science*.
- Scientific Reviewer, *Scientific Reports*.
- Scientific Reviewer, *Australian J. of Experimental Agriculture*.
- Scientific Reviewer, *American J. of Botany*.
- Scientific Reviewer, *Turkish J. of Botany*.
- Scientific Reviewer, *Scientia Horticulturae*.
- Scientific Reviewer, *Biologia Plantarum*.
- Scientific Reviewer, *Crop Science*.
- Scientific Reviewer, *Plant Physiology and Biochemistry*.
- Scientific Reviewer, *Phytochemistry*.
- Scientific Reviewer, *Brazilian J. of Plant Physiology*.
- Scientific Reviewer, *J. of Agronomy and Crop Science*.
- Scientific Reviewer, *Soil Science and Plant Nutrition*.
- Scientific Reviewer, *Acta Physiologiae Plantarum*.
- Scientific Reviewer, *Annals of Applied Biology*.
- Scientific Reviewer, *Australian Journal of Crop Science*.
- Scientific Reviewer, *African J. of Agricultural Research*.
- Scientific Reviewer, *African J. of Pharmacy and Pharmacology*.
- Scientific Reviewer, *Emirates J. of Agricultural Sciences*.
- Scientific Reviewer, *Egyptian J. of Botany*.
- Scientific Reviewer, *Scientific Research and Essays*.
- Scientific Reviewer, *International J. of Agriculture and Biology*.
- Scientific Reviewer, *International Research J. of Public and Environmental Health*.
- Scientific Reviewer, *South African Journal of Botany*.
- Scientific Reviewer, *Academia Letters*.
- Scientific Reviewer, *Acta Physiologiae Planarum*.
- Scientific Reviewer, *Heliyon*.
- Scientific Reviewer, *Physiology and Molecular Biology of Plants*.
- Scientific Reviewer, *PLoS One*.
- Scientific Reviewer, *Physiology and Molecular Biology of Plants*.
- Scientific Reviewer, *J. of Bioscience*.
- Scientific Reviewer, *Acta Agriculturae Scandinavica*.
- Scientific Reviewer, *International J. of Agriculture Policy and Research*.
- Scientific Reviewer, *Egyptian J. of Biotechnology*.
- Scientific Reviewer, *Egyptian J. of Biomedical Sciences*.

- Scientific Reviewer, J. of Herbs, Spices and Medicinal plants.
- Scientific Reviewer, J. of Food Biochemistry.
- Scientific Reviewer, Polish J. of Environmental Studies.
- Scientific Reviewer, J. of Agricultural Biotechnology and Sustainable Development.
- Scientific Reviewer, International Research Journal of Agricultural Science.
- Scientific Reviewer, Pacesetter J. Agri. Sci. Res.
- Scientific Reviewer, Iran. J. Sci. Technol.
- Scientific Reviewer, Net Journal of Agricultural Science.
- Scientific Reviewer, Merit Res. J. Agri. Sci. Soil Sci.
- Scientific Reviewer, Merit Res. J. Environ. Sci. Toxicol.
- Scientific Reviewer, Agronomy for Sustainable Development.
- Scientific Reviewer, Journal of Agricultural and Crop Research.
- Scientific Reviewer, Zeitschrift für Naturforschung C. (A J. Biosciences).
- Scientific Reviewer, Acta Ecologica Sinica.
- Scientific Reviewer, J. Horti. Sci. Crop Res.
- Scientific Reviewer, Egyptian Academic J. of Biological Sciences, H. Botany.
- Scientific Reviewer, Acta Scientiarum Plonorum.
- Scientific Reviewer, Scientifica.
- Scientific Reviewer, Stechnolock J. of Biology.
- Scientific Reviewer, J. of advancements in Plant Science.
- Scientific Reviewer, Archive of Agronomy and Soil Science.
- Scientific Reviewer, J. of Horticulture Science and Forestry, Life, Plants, International Journal of Molecular Science
- External Examiner for M.S. and Ph.D. theses from international universities (Pakistan, India).

Participation in International Conferences

- Joint meeting of American and Canadian Societies of plant physiologists, Toronto, Canada, August 1989.
- Symposium on "The Future of Plant Biology. The Next Hundred Years". Univ. of Minnesota, St. Paul, Minnesota, U.S.A., October 1989.
- Annual conference of American Society of Plant Physiologists, Pennsylvania, USA, July 1990.
- Joint meeting of Assiut Univ., Fac. of Science, Dept. of Botany and German Academic exchange Service (DAAD), Assiut, Egypt, November 1991.
- Saudi Symposium on "Cultivation of Halophytes", King AbudlAziz City for Science and Technology, Riyad, Saudi Arabia, April 1998.
- Invited member in the subject expert committee of the international seminar on "Prospects for Saline Agriculture", Islamabad, Pakistan, April 2000.
- Invited speaker/session chair, the international seminar on "Genetics and Molecular Biology of Stress Tolerance in Plants", Turkey, February 2001.
- Annual conference of Egyptian Botanical Society, Joint with Dept. of Botany, Fac. of Science, Ain Shams Univ., Cairo, March 2003.
- Third international conference on Biological Interactions, Egyptian British Society, St. Katherine, Egypt, September 2004.
- Invited speaker, the international symposium on "Application of Plant Sciences in Emerging Scenario", GC University, Faisalabad, Pakistan, March 2006.
- Invited speaker and member in the advisory committee of the international symposium on "Strategies for improving plant tolerance against abiotic stress". Faisalabad, Pakistan, September 2006.
- Symposium on "mass mortalities of reintroduced animals in the Mahazat as-sayd protected area in Saudi Arabia." Taif, Saudi Arabia, August, 2008.
- Annual conference of Saudi Society for Biological Sciences, Taif University, May 2011.
- International Conference on Materials and its Applications, Taif University, February 2012.
- Invited speaker/session chair, the 5th World Congress of Agriculture-2015, November 13-15, 2015, Qingdao, China.
- Invited speaker, 6th international conference and expo on proteomics: Revealing the Novel Innovation of life Science, March 29-31, 2016, Atlanta, USA.

- Invited speaker, the 9th protein and peptide conference-2016 (PepCon-2016), April 25-28, 2016, Dalian, China.
- Invited speaker, 5th international conference on Agriculture and Horticulture, June 27-29, 2016, Cape Town, South Africa.
- Invited speaker, 2nd international conference on synthetic biology, August 18-20, 2016, London, UK.
- Invited speaker, the 4th Agriculture Science and Food Engineering Conference (ASFE 2016), August 24-26, 2016, Xian, China.
- Invited speaker, VISCEA 2017 International Conference, Plant Nutrition, Growth & Environment Interactions III, February 20-21, 2017, Vienna, Austria.
- Invited speaker, VISCEA 2017 International Conference, Plant Molecular Physiology, February 23-24, 2017, Vienna, Austria.
- Invited speaker, 15th World Congress on Biotechnology and Biotech Industries, March 20-21, 2017, Rome, Italy.
- Invited speaker, the 10th Anniversary of Protein & Peptide Conference (PepCon 2017), March 22-24, 2017, Fukuoka, Japan.
- Invited speaker, Agriculture and Climate Change, March 26-28, 2017, Sitges, Spain.
- Invited speaker, 4th International Conference on Agricultural and Biological Sciences (ABS2018), June 26-29, 2018, Hangzhou, China.
- Invited speaker, the 7th Annual World Congress of Molecular & Cell Biology (CMCB-2017), April 25-27, 2017, Xian, China.
- Invited speaker, Symposium on Organic Farming, July 22-24, 2017, North West A & F University, Yangling, China.
- Invited speaker, The 3rd Global Summit on Plant Science, August 07-09, 2017, Rome, Italy.
- Invited speaker, International Conference of Recent Trends in Environmental Science and Engineering, August 24 - 25, 2017, Toronto, Canada.
- Invited speaker, the 2nd International Conference and Expo on Water Microbiology & Novel Technologies. August 28-30, 2017, Philadelphia, USA.
- Invited speaker, Global Conference on Plant Science and Molecular Biology (GPMB 2017), September 11-13, 2017, Valencia, Spain.
- Invited speaker, The International Conference on Advances in Agriculture and Crop science (ICAAC-2017), October 9-11, 2017, New Delhi, India.
- Invited session chair/speaker, 18th Biotechnology Congress Organization (Bio-America 2017), Novel Insights and Innovations in Biotechnology for Leading a Better Life, October 19-20, 2017, New York, USA.
- Invited speaker, The 8th Annual Global Congress of Catalysis 2017(GCC-2017), October 20-22, 2017, Shanghai, China.
- Invited session chair/speaker, The 8th World Gene Convention-2017, in Theme 401: Protein and Proteomic, November 13-15, 2017, Macao, China.
- Invited speaker, Translating Proteomics Technologies from Modern Life Science, November 9-11, 2017, Valencia, Spain.
- Organizing committee member and invited speaker for Genome-2018, International Conference and Exhibition on Genome Science, January 29-31, 2018, Las Vegas, USA.
- Invited speaker, International Conference on Plant and Molecular Biology (IPMB 2018), February 22-24, 2018, Paris, France.
- Invited speaker, Plant Based Natural Products: Phytocosmetics, Phytotherapeutics and Phytonutraceuticals, February 19-21, 2018, Udaipur, India.
- Invited speaker, the 11th Annual World Protein & Peptide Conference-2018 (PepCon-2018), March 26-28, 2018, Miami, USA.
- Invited speaker, Global Summit on Plant Science & Plant Physiology: Increasing Sustainability of Plant Management and Efficiency of Plant Production Systems, March 12-14, 2018, Kuala Lumpur, Malaysia.
- Invited speaker, International Conference on Environmental Sustainability, Development, and Protection (ICESDP 2018), April 8-10, 2018, Budapest, Hungary.
- Invited speaker, World Yeast Congress 2018, May 14-15, 2018, Montreal, Canada.
- Invited speaker, 5th World Conference on Climate Change and Global Warming, May 23-24, 2018, New York, USA
- Invited speaker, 2nd International Caparica Conference in Splicing – SPLICING 2018, July 16-19, 2018, Costa da Caparica, Portugal.

- Invited speaker, Global Summit on Toxicology, July 16-17, 2018, Madrid, Spain.
- Invited speaker, 2nd International Conference on Advances in Biotechnology, July 23-25, 2018, Kuala Lumpur, Malaysia.
- Invited speaker, Global Summit on Plant Science and Molecular Biology (GPS 2018), August 13-15, 2018, Dubai, UAE.
- Invited speaker, 2nd Global Conference on Plant Science and Molecular Biology (GPMB 2018), September 20-22, 2018, Rome, Italy.
- Invited speaker, Euro-Global Conference on Food Science, Agronomy and Technology (FAT 2018), September 20-22, 2018, Rome, Italy.
- Invited speaker, The 6th International Meeting on Oceanography, Ocean Technology and Marine Biology, September 21-22, 2018, Dallas, USA.
- Organizing Committee Member and invited speaker, 7th World Congress on Medicinal Plants and Natural Products Research, September 28-29, 2018, Chicago, USA.
- Invited speaker, the 2nd International Biotechnology Congress (IBC-2018), October 16-18, 2018, Fukuoka, Japan.
- Invited conference committee member/session chair, 2nd World Congress on Biotechnology and Biological Studies (WCBBS), October 22-24, 2018, Bangkok, Thailand.
- Invited speaker, International Congress on Plant Science and Molecular Biology, 21-23 October, 2019, Rome, Italy.
- Invited speaker, The 24th Biotechnology Congress: Research & Innovations (Bio- America 2018), October 24-25, 2018, Boston, USA.
- Invited speaker, 2018 International Conference on Biotechnology and Bioengineering (8th ICBB 2018), October 24-26, 2018, Budapest, Hungary.
- Invited speaker, International Conference on Agricultural and Food Science & 7th International Conference on Biotechnology and Bioengineering (ICBB & ICAFS), October 25-27, 2018, Virtual University, Pakistan.
- Invited session chair/speaker, 7th Annual World Congress of Food and Nutrition-2018 (WCFN-2018), November 13-15, 2018, Singapore.
- Invited speaker/session chair, 9th World Gene Convention-2018, November 13-15, 2018, Singapore.
- Invited speaker, SCON World Congress on Advanced Structural and Molecular Biology, November 18, 2019, Amsterdam, Netherlands.
- Conference committee member/session chair, World Congress on Plant Genomics and Plant Breeding, November 23-24, 2018, Dubai, UAE.
- Invited speaker, International Conference on Plant Science Research (Plant-2019), March 04-06, 2019, Baltimore, MD, USA.
- Invited speaker, 3rd Global Congress on Plant Biology and Biotechnology, March 11-13, 2019, Singapore.
- Invited speaker, International Conference on Crop Improvement and Agronomy, March 23-25, Xi'an, China.
- Invited speaker, 4th International Conference on Plant Science and Physiology-2019, March 25-26, 2019, Sydney, Australia.
- Invited speaker, International Conference on Water Saving and Plant Production Strategies: Constraints and Implications for Sustainable Agriculture, March 26-28, Faisalabad, Pakistan.
- Invited speaker, 3rd International conference on Advances in Biotechnology, April 25-26, 2019, Osaka, Japan.
- Invited speaker, 3rd World Congress on Cell Science and Molecular Biology (Cell Science-2019), May 13-14, 2019, Kuala Lumpur, Malaysia.
- Invited speaker, International Conference on Plant Science Technology and Molecular Biology (ICPM 2019), May 23-25, 2019, Valencia, Spain.
- Invited speaker, BIT's 12th Anniversary of Protein & Peptide Conference, PepCon-2019, June 14-16, 2019, Beijing, China.
- Invited speaker, Global Conference on Plant Science and Microbial Ecology, June 17-19, 2019, Valencia, Spain.
- Invited speaker, SCON International Conference on Food Science, Nutrition and Public Health, June 27-28, 2019, Singapore.
- Invited speaker/committee member, World Congress on Plant Genomics and Plant Breeding (WCPGPB-2019), August 5-6, 2019, Bangkok, Thailand.
- Invited speaker, International Conference on Plant Science and Molecular Biology, August 19-20, 2019, Osaka, Japan.

- Invited speaker, International Conference on Biochemistry: Emerging Trends in Biochemistry, August 19-21, 2019, Paris, France.
- Invited speaker, International Conference on Agriculture and Food Technology, September 16 -17, 2019, Bangkok, Thailand.
- Invited speaker, 4th European Conference on Agriculture and Horticulture, September 16-17, 2019, Amsterdam, Netherlands.
- Invited speaker, Plant Science and Molecular Biology, September 17-19, 2019, Valencia, Spain.
- Invited speaker, 4th Edition of Global Conference on Plant Science and Molecular Biology (GPMB 2019), September 19-21, 2019, London, UK.
- Invited session chair/speaker, Decoding Life Secrets, Boosting Industrial Development, BIT's 10th World Gene Convention-2019 (WGC-2019), September 20-22, 2019, Qingdao, China.
- Invited speaker, 7th International Congress and Expo on Bioscience and Biotechnology, September 23-24, 2019, Paris, France.
- Invited speaker, Global Conference on Plant Science and Research (GPR 2019), September 23-25, 2019, Valencia, Spain.
- Invited speaker, Sustainable Agriculture and Food Systems Summit, September 26-28, 2019, Berlin, Germany.
- Invited speaker, 2nd International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants (TMedPM2019), Sept 30 - Oct 02, 2019, Berlin, Germany.
- Invited speaker, 2nd Global Conference on Plant Science & Microbial Ecology, October 14-15, 2019, Dubai, UAE.
- Invited speaker, Second Edition of International Conference on Plant and Molecular Biology (PMB 2019), October 23-25, 2019, Amsterdam, Netherlands.
- Invited speaker, 2nd Global Conference on Plant Biology and Plant Science, October 24-25, 2019, Bangkok, Thailand.
- Invited speaker, The 9th Annual World Congress of Molecular & Cell Biology-2019 (CMCB-2019), October 25-27, 2019, Singapore.
- Invited speaker, The 3rd International Biotechnology Congress-2019 (IBC-2019), October 25-27, 2019, Singapore.
- Organizing committee member, International Conference on Agriculture and Horticulture, November 11-13, 2019, Rome, Italy.
- Invited speaker, 3rd Global Summit and Expo on Proteomics, November 18 -19, 2019, Amsterdam, Netherlands.
- Invited speaker, SCON World Congress on Advanced Structural and Molecular Biology, November 18-19, 2019, Amsterdam, Netherlands.
- Invited speaker, 4th World Congress on Biotechnology and Biological Studies, November 25-26, 2019, Kuala Lumpur, Malaysia.
- Invited speaker, The 2019 EMN Meeting on Membranes, November 26-30, 2019, Port Louis, Mauritius.
- Invited speaker, the 3rd International Conference on Agriculture and Food Science (3rd ICAFS2019), December 8-11, 2019, Kuala Lumpur, Malaysia.
- Invited speaker, 2nd Edition of International Conference on Plant, Cellular and Molecular Biology (Plant 2020), February 25-27, 2020, Rome, Italy.
- Honorable advisory board/Invited keynote speaker, International Summit on Agricultural Biotechnology, 16-17 March, 2020, Thailand.
- Invited speaker, Emerging Trends in Plant Science and Natural Products Research, March 19-20, 2020, London, UK.
- Invited speaker, Global Conference on Food, Agriculture and Natural Resources (AGRI 2020), March 23-25, 2020, Singapore.
- Invited speaker, 5th Edition of Global Congress on Plant Biology and Biotechnology (GPB 2020), March 23-25, 2020, Valencia, Spain.
- Invited chair/speaker, 13th Annual World Protein & Peptide Conference (PepCon-2020) with the theme of "From Scientific Breakthroughs to Novel Applications", April 13-15, 2020, Osaka, Japan.
- Invited speaker, CPD accredited "3rd International Conference on Environmental Sustainability and Climate Change, April 22-23, 2020, Bangkok, Thailand.
- Invited speaker, 11th Annual World DNA and Genome Day-2020 (WDD-2020), April 25-28, 2020, Dalian, China.
- Invited speaker, 4th International Congress of Genetics (ICG-2020), April 25-28, 2020, Dalian, China.

- Invited speaker, 4th World Congress on Cell Science and Molecular Biology (Cell Science-2020), May 11-12, 2020, Manchester, United Kingdom.
- Invited speaker, 2nd World Congress on Plant Genomics and Plant Breeding, May 21-22, 2020, Berlin, Germany.
- Invited speaker, 5th World Congress on Biotechnology and Biological Studies, May 25-26, 2020, Amsterdam, Netherlands.
- Invited speaker, SCON Global Summit on Environmental Science and Climate Change, June 02-03, 2020, Barcelona, Spain.
- Invited session chair/speaker, World Gene Convention-2020 (WGC-2020) conference, June 7-9, 2020, Osaka, Japan.
- Invited session chair/speaker, 9th Annual World Congress of Food and Nutrition-2020 (WCFN-2020), June 7-9, 2020, Osaka, Japan.
- Invited speaker, International Conference on Agriculture and Horticulture", June 08-10, 2020, Beijing, China.
- Invited speaker, Euro-Global Conference on Biotechnology and Bioengineering (ECBB 2020), June 18-20, 2020, Rome, Italy.
- Invited speaker, 8th International Congress & Expo on Biotechnology and Bioengineering, June 22-23, 2020, Toronto, Canada.
- Invited speaker, International Conference and Expo on Metabolomics and Systems Biology, June 25-27, 2020, Rome, Italy.
- Keynote speaker/organizing committee member, Plant Science: Research & Technology, July 6-7, 2020, Barcelona, Spain.
- Invited speaker, 3rd Annual Congress on Plant Science and Bio Security (ACPB-2020), July 6-8, 2020, Osaka, Japan.
- Invited speaker, International Nutrition Research Conference, July 18-20, 2020, Rome, Italy.
- Invited speaker, "International Conference on Cell Science & Molecular Biology", July 20-22, 2020, Rome, Italy.
- Invited speaker, webinar "Plant Science Virtual 2020", July 13-14, 2020.
- Invited speaker, The 7th International Horticulture Research Conference, July 1st – 30th, 2020 online, hosted by Horticulture Research and Northwest A & F University, China.
- Invited speaker, The Eighth International Conference on Agriculture & Food, August 26-29, 2020, Burgas, Bulgaria.
- Invited speaker, 6th Edition of Global Conference on Plant Science and Molecular Biology (GPMB 2020), September 10-12, 2020, Paris, France.
- Invited speaker, Global Conference on Agriculture and Horticulture (AGRI 2020), September 10-12, 2020, Paris, France.
- Invited speaker, International Conference on Traditional Medicine and Phytochemistry, September 14-16, 2020, Melbourne, Australia.
- Invited speaker, SCON International Conference on Agriculture and Plant Research, September 17-18, 2020, Amsterdam, Netherlands.
- Invited speaker, 10th International Congress & Expo on Bioscience and Genetic Engineering (Bioscience-2020), September 21-22, Prague, Czech Republic.
- Invited speaker, 2nd Edition of Global Conference on Plant Science and Research (GPR 2020), September 21-23, 2020, Rome, Italy.
- Invited organizing committee member, International Conference on Agriculture and Horticulture, September 22-24, 2020, Paris, France.
- Invited chair/speaker, 4th Annual World Education Day Assembly (WEDA) 2020, September 27-29, 2020, Dalian, China.
- Invited speaker, 3rd International Conference on Plant and Molecular Biology (PMB 2020), October 21-23, 2020, Valencia, Spain.
- Invited speaker, 3rd International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants (TMedPM2020), November 2-4, 2020, Chiang Mai, Thailand.
- Invited speaker, the 4th International Biotechnology Congress (IBC-2020), November 9-11, 2020, Dubai, UAE.
- Invited speaker, The 10th Annual World Congress of Molecular & Cell Biology (CMCB-2020), November 9-11, 2020, Dubai, UAE.
- Invited speaker, 4th World Congress on Biotechnology and Biological Studies, November 25-26, 2020, Kuala Lumpur, Malaysia.
- Invited speaker, The 5th Green and Sustainable chemistry Conference, November 8-11, 2020, Dresden, Germany.

- Invited speaker, Global Virtual Summit on Biotechnology and Bioengineering, Biotech Meetings 2020, November 18-19, 2020, hosted through the Zoom Platform.
- Invited speaker, the 4th International Biotechnology Congress (IBC-2021), May 11-14, 2021, Macao, China.
- Invited speaker, 10th Global Congress of Catalysis 2021(GCC-2021), May 11-14, 2021, Macao, China.
- Invited chair/speaker, World Gene Convention-2021 (WGC-2021) conference, May 17-19, 2021, Osaka, Japan.
- Invited chair/speaker, the 4th Annual World Congress of Education 2021 (WCE-2021), June 16-19, 2021, Singapore.
- Invited chair/speaker, 4th International Biotechnology Congress (IBC-2021), July 15-17, 2021, Amsterdam, the Netherlands.
- Invited chair/speaker, World Biotechnology Industry Conference (WBIC-2021), August 18-20, 2021, Seoul, South Korea.
- Invited speaker, Plant Health, Agriculture & Bioscience conference, September 22-24, 2021, The Hague, Netherlands.
- Invited speaker, 3rd Global Conference on Plant Biology and Plant Science (Plant Biology-2021), November 04-06, 2021, Osaka, Japan.
- Invited speaker, 2nd Global Conference on Plant Science and Agricultural Research (GPAR 2022), March 24-26, 2022, Rome, Italy.
- Invited speaker, 15th International Conference on Genomics and Molecular Biology, March 28-29, 2022, Berlin, Germany.
- Invited speaker, 26th Global Congress on Biotechnology, July 11-12, 2022, Vienna, Austria.
- Invited speaker, International Conference on Agriculture and Horticulture, Agricultures Sustainable Resource Utilization a Path to Food Security and Protection, July 28-29, 2022, Bangkok, Thailand.
- Invited speaker, 4th Euro-Mediterranean Conference for Environmental Integration, October 20-23, 2022, Sousse, Tunisia.
- Invited speaker, Global Conference on Biofuels and Bioenergy, October 21-22, 2022, Orlando, USA.
- Invited Chair/Speaker, The World Gene Convention (12th WGC-2023), January 09-11, 2023, Sapporo, Japan.
- Invited speaker, 11th World DNA Day (WDD-2023), April 25-29, 2023, Dalian, China.
- Invited speaker, The 4th Agriculture and Climate Change Conference, May 79, 2023, Dresden, Germany.

List of Publications:

- Mansour MMF, Lee-Stadelmann OY, Stadelmann EJ 1989. Osmotic and ionic effects on the protoplasm of wheat and barley. *Plant Physiol.* 89: 152, Abs. no. 907.
- Mansour MMF, Stadelmann EJ, Lee-stadelmann OY 1990. Alteration in salt tolerance of *Triticum aestivum* induced by choline chloride. *Plant Physiol.* 93: 107, Abs. no. 624.
- Mansour MMF, Lee–Stadelmann OY, Stadelmann EJ 1993. Salinity stress and cytoplasmic factors. A comparison of cell permeability and lipid partiality in salt sensitive and salt resistant cultivars and lines of *Triticum aestivum* and *Hordeum vulgare*. *Physiol. Plant.* 88: 141-148.
- Mansour MMF, Stadelmann EJ, Lee–Stadelmann OY 1993. Salt acclimation of *Triticum aestivum* by choline chloride: plant growth, mineral content and cell permeability. *Plant Physiol. Biochem.* 31: 341-348.
- Mansour MMF, Lee-Stadelmann OY, Stadelmann EJ 1993. Solute potential and cytoplasmic viscosity in *Triticum aestivum* and *Hordeum vulgare* under salt stress. A comparison of salt resistant and salt sensitive lines and cultivars. *J. Plant Physiol.* 142: 623-628.
- Mansour MMF, Stadelmann EJ 1994. NaCl-induced changes in protoplasmic characteristics of *Hordeum vulgare* cultivars differing in salt tolerance. *Physiol. Plant.* 91: 389-394.
- Mansour MMF 1994. Changes in growth, osmotic potential and cell permeability of wheat cultivars under NaCl stress. *Biol. Plant.* 36: 429-434.
- Mansour MMF, van Hasselt PR, Kuiper PJC 1994. Plasma membrane lipid alterations induced by NaCl in winter wheat roots. *Physiol. Plant.* 92: 473-478.
- Mansour MMF 1995. NaCl alteration of plasma membrane of *Allium cepa* epidermal cells. Alleviation by calcium. *J. Plant Physiol.* 145: 726-730.
- Mansour MMF 1995. Changes in cell membrane permeability and lipid content of wheat root cortex cells induced by NaCl. *Biol. Plant.* 37: 143-145.
- Mansour MMF, Salama KHA 1996. Amelioration of salinity effect in salt sensitive wheat by choline chloride presoaking of caryopses. *Egypt. J. Physiol. Sci.* 20: 43-57.
- Mansour MMF, Salama KHA 1996. Comparative responses to salinity in wheat genotypes differing in salt tolerance. 1- Seedling growth and mineral relations. *Egypt. J. Physiol. Sci.* 20: 1-5.
- Mansour MMF, Salama KHA 1996. Comparative responses to salinity in wheat genotypes differing in salt tolerance. 2- Cell permeability, cytoplasmic viscosity and solute potential. *Egypt. J. Physiol. Sci.* 20: 17-32.
- Mansour MMF 1996. The influence of NaCl on germination and ion contents of two wheat cultivars differing in salt tolerance. Effect of gibberellic acid. *Egypt. J. Physiol. Sci.* 20: 59-69.
- Mansour MMF 1997. Cell permeability under salt stress. In: *Strategies for Improving Salt Tolerance in Higher Plants*. PK Jaiwal, RP Singh and A Gulati, Eds. Science Publ., Enfield, USA, pp. 87-110. **Invited book chapter**
- Mansour MMF, Al-Mutawa MM 1998. The influence of calcium on responses of wheat cultivars to salinity stress. *Physiol. Mol. Biol. Plants* 4: 47-52.
- Mansour MMF, van Hasselt PR, Kuiper PJC 1998. Ca²⁺, Mg²⁺-ATPase activities in winter wheat root plasma membranes as affected by NaCl stress during growth. *J. Plant Physiol.* 153: 181-187.
- Mansour MMF 1998. Protection of plasma membrane of onion epidermal cells by glycinebetaine and proline against NaCl stress. *Plant Physiol. Biochem.* 36: 767-772.

- Mansour MMF, Al-Mutawa MM 1999. Stabilization of plasma membrane by polyamines against salt stress. *Cytobios* 100: 7-17.
- Mansour MMF, Van Hasselt PR, Kuiper PJC 2000. NaCl effects on root plasma membrane ATPase of salt tolerant wheat. *Biol. Plant.* 43: 61-77.
- Mansour MMF 2000. Nitrogen containing compounds and adaptation of plants to salinity stress. *Biol. Plant.* 43: 491-500. **Review**
- Mansour MMF, Al-Mutawa MM 2000. Protoplasmic characteristics of wheat cultivars differing in drought tolerance. *Physiol. Mol. Biol. Plants* 6: 35-43.
- Mansour MMF, Al-Mutawa MM, Salama KHA, Abou Hadid AMF 2002. Salt acclimation of wheat sensitive cultivar by polyamines. In: *Prospects for Saline Agriculture*. R Ahmad and KA Malik, Eds., Kluwer Acad. Pub., The Netherlands, pp. 155-160, ISBN 978-94-017-0067-2. Book chapter in proceedings
- Mansour MMF, Al-Mutawa MM, Salama KHA, Abou Hadid AMF 2002. Effect of NaCl and polyamines on plasma membrane lipid of wheat roots. *Biol. Plant.* 45: 235-239.
- Mansour MMF, Salama KHA, Al-Mutawa MM 2003. Transport proteins and salt tolerance in plants. *Plant Sci.* 164: 981-900. **Review**
- Mansour MMF, Salama KHA 2004. Cellular basis of salinity tolerance in plants. *Environ. Exp. Bot.* 52: 113-122. **Review**
- Mansour MMF, Salama KHA, Ali FZM, Abou Hadid AF 2005. Cell and plant responses to NaCl stress in *Zea mays* L. cultivars differing in salt tolerance. *Gen. Appl. Plant Physiol.* 31: 29-41.
- Salama KHA, Mansour MMF, Ali FZM, Abou Hadid AF 2007. NaCl-induced changes in plasma membrane lipids and proteins of *Zea mays* L. cultivars differing in their response to salinity. *Acta Physiol. Plant.* 29: 351-359.
- Soliman SM, Gadalla AM, Kotb EA, Mostafa SMA, Mansour MMF 2008. Effect of phosphorus and potassium fertilization on nitrogen utilized by wheat grown in saline soil amended with organic manures. *Proceed. 9th Int. Conf. Nucl. Sci. Appl., Sharm Alsheikh, Egypt.* P. 1-9.
- Hassan NS, Salama KHA, Mansour MMF 2009. In vitro production of chamomile essential oils. Effect of NaCl and sucrose. *Egypt. J. Biotechnol.* 32: 402-412.
- Mansour MMF 2010. *Solute Transport in Plants*. Taif Univ., Taif, Saudi Arabia, 152p. **Book in Arabic**
- Salama KHA, Mansour MMF, Hassan NS 2011. Choline priming improves salt tolerance in wheat (*Triticum aestivum* L.). *Aust. J. Basic Appl. Sci.* 5: 126-132.
- Morsy AA, Salama KHA, Kamel HA, Mansour MMF 2012. Effects of heavy metals on plasma membrane lipids and antioxidant enzymes of *Zygophyllum* species. *Eurasian J. Biosci.* 6: 1-10.
- Mansour MMF 2013. Plasma membrane permeability as an indicator of salt tolerance in plants. *Biol. Plant.* 57: 1-10. **Review**
- Omran WM, Mansour MMF, Fayez KA 2014. Magnetized water improved germination, growth, and tolerance to salinity of cereal crops. *Int. J. Adv. Res.* 2: 301-308.
- Mansour MMF 2014. The plasma membrane transport systems and adaptation to salinity. *J. Plant Physiol.* 171: 1787-1800. **Review**

- Salama KHA, Morsy AA, Mansour MMF, Kamel HA 2014. Adaptive responses of two *Zygophyllum* species to environmental pollution. Egypt. J. Bot. pp. 137-146. Special issue for the fourth international conference of botany and microbiological sciences: Biological applications and contemporary environmental challenges, 23-24 April, Ismailia, Egypt.
- Salama KHA, Mansour MMF 2015. Choline priming-induced plasma membrane lipid alterations contributed to improved wheat salt tolerance. Acta Physiol. Plant. 37: 170. IF: 2.354
- Mansour MMF, Salama KHA, Allam HYH 2015. Role of the plasma membrane in saline conditions: lipids and proteins. Bot. Rev. 81: 416-451. **Review**
- Salama KHA, Mansour MMF, Al-Malawi HA 2015. Glycinebetaine priming improves salt tolerance of wheat. Biologia 70: 1334-1339.
- Mansour MMF 2016. Protective effect of 24-epibrassinolide against salt-induced destabilization of plasma membrane. Int. J. Adv. Res. 4: 488-492.
- Mansour MMF, Ali EF 2017. Glycinebetaine in saline conditions: an assessment of the current state of knowledge. Acta Physiol. Plant. 39: 56. **Review**
- Mansour MMF, Ali EF 2017. Evaluation of proline functions in saline conditions. Phytochemistry 140: 52-68. **Review**
- Mansour MMF, Ali EF 2018. Principles of Plant Physiology: Plant Water Relations and Mineral Nutrition. Dar Elfikr Elarabi, Cairo, Egypt, 304p. **Book in Arabic**
- Mansour MMF, Salama KHA 2019. Cellular mechanisms of plant salt tolerance. In: Microorganisms in Saline Environment: Strategies and Functions, Giri B, Varma A, Eds., Springer, Switzerland, pp. 169-210. **Invited book chapter**
- Mansour MMF, Ali EF, Salama KHA 2019. Does seed priming play a role in regulating reactive oxygen species under saline conditions? In: Reactive Oxygen, Nitrogen and Sulfur Species in Plants: Production, Metabolism, Signaling and Defense Mechanisms, Hasanuzzaman M, Fotopoulos V, Nahar K, Fujita M, Eds., Wiley, New Jersey, USA, pp. 437-488. **Invited book chapter**
- Morsy AA, Salama KHA, Mansour MMF 2020. Coping with saline environment: learning from halophytes. In: Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives I, General Consequences and Plant Responses, Hasanuzzaman M, Ed., Springer, Singapore, pp. 199-230. **Invited book chapter**
- Mansour MMF, Salama KHA 2020. Proline and abiotic stresses: responses and adaptation. In: Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives II, Mechanisms of Adaptation and Stress Amelioration, Hasanuzzaman M, Ed., Springer, Singapore, pp. 357-397. **Invited book chapter**
- Mansour MMF, Salama KHA, Morsy AA, Emam MM 2020. Plasma membrane lipids and plant adaptation to salt stress. In: Advances in Environmental Research (vol. 78), Daniels JA, Ed., Nova Science Publishers, NY, USA, pp. 1-111. **Invited book chapter**
- Emam MM, Khatab H, Morsy AA, Salama KHA, Mansour MMF 2021. Role of redox system in enhancement of phytoremediation capacity in plants. In: Handbook of Bioremediation, Physiological, Molecular and Biotechnological Interventions, Hasanuzzaman M, Prasad MNV, Eds., Elsevier, California, USA, pp. 165-193. **Invited book chapter**
- Mansour MMF, Emam MM, Salama KHA, Morsy AA 2021. Sorghum under saline conditions: responses, tolerance mechanisms, and management strategies. Planta 254: 24. **Review, invited contribution to a Special Issue on Sorghum.**

- Mansour MMF, Hassan FAS 2022. How salt stress-responsive proteins regulate plant adaptation to saline conditions? *Plant Mol. Biol.* 108: 175-224. **Review**
- Mansour MMF 2023. Role of vacuolar membrane transport systems in plant salinity tolerance. *J. Plant Growth Reg.*, 42: <https://doi.org/10.1007/s00344-022-10655-9>, **Review**
- Mansour MMF, Kalaji HM. Anthocyanins: biotechnological targets for enhancing crop tolerance to salinity stress. In preparation.

11 reviews, 7 book chapters, 2 books in Arabic.