

CURRICULUM VITAE

Personal Data

Name: Dr. Ghada Abd El-Monsef Mahmoud

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Sex: Female

Date of Birth: November 15, 1986

Marital status: Married

Citizenship: Egyptian

Highest Degree: PhD in Microbiology 2016

Academic Field: Microbiology

Academic Degrees

Ph.D. November 2016 in Microbiology from Botany & Microbiology Department, Faculty of Science, Assiut University, Egypt. **Thesis:** Isolation and Characterization of Microorganisms Producing Vitamins.

M.Sc. January 2013 in Microbiology from Botany & Microbiology Department, Faculty of Science, Assiut University, Egypt. **Thesis:** Biodegradation of Hydrocarbons by Fungi.

B.Sc. July 2007 in Botany, Faculty of Science, Assiut University, Egypt.

Employments

2016- until now: **Lecturer** in Botany & Microbiology Department, Faculty of Science, Assiut University.

2013-2016: **Assistant Lecturer** in Botany & Microbiology Department, Faculty of Science, Assiut University.

2007-2012: **Demonstrator** in Botany & Microbiology Department, Faculty of Science, Assiut University.

Language skills

Arabic: Native

English: Excellent in both spoken & written

French: Very good.

Main research interest

- Identification and taxonomic ranking of bioactive materials- producing microorganisms.
- Enhancement of metabolic production efficiency of microorganisms.
- Functional impact of genetically modified microorganisms.
- Isolation and identification of different microorganisms.
- Molecular biology and metabolic profiling of pathogenic microorganisms.
- Biosynthesis of nanoparticles from microorganisms & their use as novel active antifungal agents.
- Biodegradation of environmental pollutants.
- New antimicrobial agents.
- Drug resistance microorganisms.

Memberships

Egyptian Soil Science Society

Society of Basic and Applied Mycology

Arab Society for Fungal Conservation

International conferences

- 1-** The First International Conference of Biological Sciences, Assiut University, Egypt, **4-5 March, 2009. (Attendance)**
- 2-** The Third International Conference for Young Researchers in Basic Science & Technology, Assiut University, Egypt, **19-20 April, 2011. (Attendance)**
- 3-** 10th International Conference of Egyptian Soil Science Society (ESSS), 4th International Conference of On-Farm Irrigation and Agroclimatology, Ameria, Alexandria, Egypt, **5-8 November, 2012. (Participate)**
- 4-** The 4th International Conference for Young Scientists in Basic and Applied Science, Assiut University, Egypt, **29-30 April, 2014. (Participate)**
- 5-** International Egyptian Czech Conference on Nanotechnology Applications, Faculty of Agriculture, Cairo University, Egypt, **10-11 October, 2017. (Attendance)**

- 6-** The Nine International Conference of Environment and Development in the Arab World, Assiut University, Egypt, **15-17 April, 2018. (Participate)**
- 7-** The 13th International Conference of Egyptian Soil Science Society (ESSS), Management of water and soil resources under global climate changes, Cairo, Egypt, **4-5 December, 2018. (Participate)**
- 8-** The 9th International Conference for Sustainable Agricultural Development, Faculty of Agricultural, Fayoum University, Egypt, **4-6 March, 2019. (Participate)**
- 9-** The Third International Conference on Basic and Applied Mycology (3rd ICBAM), Assiut University, Egypt, **10 March, 2019. (Participate)**
- 10-** TBRI 2020 Virtual Annual Conference of Theodor Bilharz Research Institute “Research and Clinical Practice”, Egypt, **10-12 December, 2020. (Attendance)**
- 11-** The “التقنيات الرقمية والحديثة في مجال الزراعة (أفاق مستقبلية)” National Research Center, Cairo, Egypt, **14-16 December, 2020. (Attendance)**
- 12-** The first virtual conference for academics and researchers platform-IFAD, “Scientific Research during Covid-19 – the Reality and Future (SRCRF)”, United Kingdom, **28-30 December, 2020. (Attendance)**
- 13-** The Second conference “Youth Science Form”, National Research Center, Cairo, Egypt, **14-16 January, 2021. (Attendance)**

International Scientific webinars

- 1-** Webinar entitled “Use Academic Social Networking in the Scientific Research” National Research Center, Cairo, Egypt, **22 November, 2020.**
- 2-** Webinar entitled “STDF Funding Grants & How to Match Call Guidelines Requirement” National Research Center, Cairo, Egypt, **23-24 November, 2020.**
- 3-** Webinar entitled “Discover Research Metrics on Scopus & Updated CiteScore & Quartiles” National Research Center, Cairo, Egypt, **26 November, 2020.**
- 4-** Webinar entitled “Novel Approaches in Pharmaceutical Sciences Researches confronting Covid-19 “Natural Products for pandemic control” National Research Center, Cairo, Egypt, **29 November, 2020.**
- 5-** Webinar entitled “Novel Approaches in Pharmaceutical Sciences

Researches confronting Covid-19 “New Trends in Chemistry of Natural and Microbial Products” National Research Center, Cairo, Egypt, **30 November, 2020.**

- 6-** Webinar entitled “Enhance your Research with Elsevier - Funding Institutional” National Research Center, Cairo, Egypt, **3 December, 2020.**
- 7-** Webinar entitled “ISO17025 Technical and Managerial Requirements for Microbiology Lab” National Research Center, Cairo, Egypt, **6-7 December, 2020.**
- 8-** Webinar entitled “Success Story of an International Partnership” National Research Center, Cairo, Egypt, **6 December, 2020.**
- 9-** Webinar entitled "Skills of Presentation Design ", Academics & Researchers Platforms (IFAD), United Kingdom, **8 December, 2020.**
- 10-** Webinar entitled "The Conditions of Accepting Research for Publication in Scientific Journal ", Academics & Researchers Platforms (IFAD), United Kingdom, **9 December, 2020.**
- 11-** Webinar entitled “Scientific and Academic Cooperation Funding Opportunities (Embassy of France in Egypt - Institut Français d’Egypte)” National Research Center, Cairo, Egypt, **10 December, 2020.**
- 12-** Webinar entitled "Professional presentation of posters", CABI, Egyptian Knowledge Bank, **10 December, 2020.**
- 13-** Webinar entitled "Time Management, Motivation ,and Tasks", Academics & Researchers Platforms (IFAD), United Kingdom, **10 December, 2020.**
- 14-** Webinar entitled "Knowledge Theory and Scientific Research”, Academics & Researchers Platforms (IFAD), United Kingdom, **11 December, 2020.**
- 15-** Webinar entitled Professional writing of grant proposals "Tricks and Tips", National Research Center, Cairo, Egypt, **17 December, 2020.**
- 16-** Webinar entitled “Statistical Stages in Scientific Research”, Academics & Researchers Platforms (IFAD), United Kingdom, **21 December, 2020.**
- 17-** Webinar entitled “Enhance your Research with Elsevier – How to publish an e-book” National Research Center, Cairo, Egypt, **22 December, 2020.**

- 18-** Webinar entitled “Distance Learning Applications – Microsoft Teams”, Academics & Researchers Platforms (IFAD), United Kingdom, **23 December, 2020.**
- 19-** Webinar entitled “Enhance your Research with Elsevier – SciVal” National Research Center, Cairo, Egypt, **31 December, 2020.**
- 20-** Webinar entitled “Air pollution: Modern challenges and contemporary trends” National Research Center, Cairo, Egypt, **4 January, 2021.**
- 21-** Webinar entitled “Systematic Review and Meta-Analysis”, Academics & Researchers Platforms (IFAD), United Kingdom, **5 January, 2021.**
- 22-** Webinar entitled “Pandemic Coronavirus (SARS CoV-2) and its Impacts on the environment and Society” National Research Center, Cairo, Egypt, **5 January, 2021.**
- 23-** Webinar entitled “Logical manuscript structure” Helwan University, Cairo, Egypt, **9 January, 2021.**
- 24-** Webinar entitled “Scientific Research: From Design to Analysis”, Academics & Researchers Platforms (IFAD), United Kingdom, **11 January, 2021.**
- 25-** Webinar entitled “Do Research with Confidence Using Web of Science Core Collection” National Research Center, Cairo, Egypt, **12 January, 2021.**
- 26-** Webinar entitled “The Basis of Publishing in Scientific Journals between Necessity and Need”, Academics & Researchers Platforms (IFAD), United Kingdom, **13 January, 2021.**
- 27-** Webinar entitled "(3) Smart Data Analysis and Visualization", CABI, Egyptian Knowledge Bank, **18 January, 2021.**
- 28-** Webinar entitled “Enhance your Research with Elsevier – How to improve R & D productivity with risky” National Research Center, Cairo, Egypt, **18 January, 2021.**
- 29-** Webinar entitled “Meta-Analysis for Previous Studies”, Academics & Researchers Platforms (IFAD), United Kingdom, **18 January, 2021.**
- 30-** Webinar entitled "How to find protocols and methods you need for your research", Springer Nature, Egyptian Knowledge Bank, **21 January, 2021.**

Training courses in teaching, leadership development and scientific skills

- 1.** Course in ‘Use of Technology in Teaching’, **1-3 December, 2007** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 2-** Course in ‘International Publishing of Research’, **26-28 January, 2008** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 3.** Course in ‘Code of Ethics’, **2-4 February, 2008** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 4-** Course in ‘Quality Standards in Teaching’, **1-3 March, 2008** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 5-** Course in ‘Legal and Financial Aspects in University Environment’, **15-17 March, 2008** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 6-** Course in University ‘Lecturer Preparation’, **13-24- April, 2008** in Assiut University, Egypt.
- 7-** Course in ‘Research Team Management’, **19-21 June, 2010** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 8-** Course in ‘Student evaluation’, **14-16, September, 2013** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 9-** Course in ‘Effective presentation’, **17-19, September, 2013** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 10-** Course in ‘How to compete for a research fund’, **21-23, September, 2013** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 11-** Course in ‘Credit hour system’, **22-23, February, 2014** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 12-** Course in ‘Strategic planning’, **24-25, February, 2014** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 13-** Course in ‘University Administration’, **1-2, March, 2014** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 14-** Course in ‘Scientific Researches Funding and Grants’, **14-15, February, 2017** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 15-** Course in ‘Statistical Analysis in Scientific Research’, **14-15, February,**

2017 in Faculty and Leadership Development Center, Assiut University, Egypt.

- 16- Course in ‘Conference Organization’, **13-14, August, 2017** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 17- Course in ‘E-Learning (Advanced)’, **15-16, August, 2017** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 18- Course in ‘Analytical and Creative Thinking’, **20-21, August, 2017** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 19- Course in ‘How to Design the E-Course’, **29-30, October, 2017** in Faculty and Leadership Development Center, Assiut University, Egypt.
- 20- Elsevier workshop in ‘Cell Press Journals Workshop Awareness’, **10 October, 2018** in Multidisciplinary Research Centre of Excellence, Faculty of Science, Assiut University, Egypt.
- 21- Workshop in ‘How to get published’, **9 October, 2019** by IOP publishing and Egyptian Knowledge Bank in Faculty of Science, Assiut University, Egypt.
- 22- Workshop in ‘How to use and activate EKB and the knowledge sources’, **23-24 October, 2019** by Egyptian Knowledge Bank, Assiut University, Egypt.
- 23- Lecture entitled “Future Studies: Philosophical Foundations and its Usages” Academics & Researchers Platforms (IFAD), **6 December, 2020. (Attendance)**
- 24- Lecture entitled “Skills of Presentation Design” Academics & Researchers Platforms (IFAD), **8 December, 2020. (Attendance)**

Scientific workshops and training courses

1. Participate in ‘Biodiversity Monitoring Program Course Supported by British Council in Sant Katherine Protectorate’, **summer 2006** in South Sinai, Egypt.
2. Workshop in ‘Methods in Molecular Biology and its Application in the Monitoring of the Environmental Stress and Ecotoxicology’, **6-10 April, 2008** in Faculty of Science, Assiut University, Egypt.
3. Workshop in ‘Principles of Protein Analysis’, **31/3 – 1/4/2009** in Molecular Biology Research Unit, Assiut University, Egypt.
- 4- Workshop in ‘Applications of Biotechnology’, **12–14 April, 2010** in

Genetic Department, Faculty of Agriculture, Assiut University, Egypt.

- 5- Course in 'Chromatographic Analysis Devices', **4-5 January, 2011** in Assiut University, Egypt.
- 6- Workshop in 'Environmental Poisons, Methods of Detection and Control', **18-20 February, 2013** in Faculty of Veterinary Medicine & Egyptian Society of Environmental Toxicology, Egypt.
- 7- Workshop in 'Technician Lab Preparation in Botany & Microbiology', **23-25 September, 2014** in Assiut University Herbarium, Egypt.
- 8- Workshop in 'Application of Nanotechnology', International Egyptian Czech Conference on Nanotechnology Applications, Faculty of Agriculture, Cairo University, Egypt, **10-11 October, 2017**.
- 9- Workshop in 'Principles & Applications of PCR (Level I)', **7-8 November, 2017** in Molecular Biology Research Unit, Assiut University, Egypt.
- 10- Workshop in 'Medical fungi', **4-8 November, 2018** in Prof. A. H. Moubasher for Mycological Sciences (AUMMC), Assiut University, Egypt.
- 11- Workshop in 'Recent Advanced Techniques for General Analysis and Green Technology', **16 October, 2019** in Drug Research Center, Assiut University, Egypt.
- 12- Workshop in 'Fungal biotechnology', **14-19 March, 2020** in Prof. A. H. Moubasher for Mycological Sciences (AUMMC), Assiut University, Egypt.
- 13- Lecture in 'Fungal biotechnology' Workshop, **14-19 March, 2020** in Prof. A. H. Moubasher for Mycological Sciences (AUMMC), Assiut University, Egypt entitled (Microbial Production of Vitamins and Kojic Acid with their Medicinal Applications).
- 14- Workshop in 'Journal Editor 1', December, **2020** From Nature Research Academies, Nature Research.
- 15- Workshop in 'Journal Editor 2', December, **2020** From Nature Research Academies, Nature Research.
- 16- Workshop in 'Clinical Researches', December, **2020** From Nature Research Academies, Nature Research.
- 17- Workshop in 'Successful Pre-submission Strategies', December, **2020**

From Nature Research Academies, Nature Research.

18- Workshop in ‘Effective Academic Writing’, December, **2020** From Nature Research Academies, Nature Research.

19- Workshop in ‘Logical manuscript structure’, December, **2020** From Nature Research Academies, Nature Research.

Books & Chapters

1. Ghada Abd-Elmonsef Mahmoud, Magdy Mohamed Khalil Bagy and Mohamed Hemida Abd-Alla (**2018**): Isolation and characterization of microorganisms producing vitamins. Lap Lambert Academic Publishing. ISBN: 978-613-9-88588-6.

2. Ghada Abd-Elmonsef Mahmoud, Bagy M.M.K. (2018) Microbial Degradation of Petroleum Hydrocarbons. In: Kumar V., Kumar M., Prasad R. (eds) Microbial Action on Hydrocarbons. Springer, Singapore. https://doi.org/10.1007/978-981-13-1840-5_12

3. Ghada Abd-Elmonsef Mahmoud (2021) Biotic Stress to Legumes: Fungal Diseases as Major Biotic Stress Factor. In: Guleria P., Kumar V., Lichtfouse E. (eds) Sustainable Agriculture Reviews 51. Sustainable Agriculture Reviews, vol 51. Springer, Cham. https://doi.org/10.1007/978-3-030-68828-8_7

4. Ghada Abd-Elmonsef Mahmoud (2021) Microbial Scavenging of Heavy Metals Using Bioremediation Strategies. In: Kumar V., Prasad R., Kumar M. (eds) Rhizobiont in Bioremediation of Hazardous Waste. Springer, Singapore. https://doi.org/10.1007/978-981-16-0602-1_12

Publications

1. Ghada A. Mahmoud, Koutb, M.M.M., Morsy, F.M. and Bagy, M. M.K. Mycoflora Isolated from Mazot and Solar Polluted Soils in Upper Egypt, Published in 10th International Conference of Egyptian Soil Science Society (ESSS), 4th International Conference of On-Farm Irrigation and Agroclimatology, Ameria, Alexandria, Egypt, **5-8 November, 2012**.

2- Nivien A. Nafady, Fatthy M. Morsy, Magdy M. K. Bagy, Mohamed H. Abd-Alla, **Ghada A. M. Moukabel**. Fungal diversity in *Zea mays* L. plants and the ability of some isolated *Aspergillus terreus* isolates to produce riboflavin. The 4th International Conference for Young Scientists in Basic and Applied Science, Assiut University, Egypt, **29-30 April, 2014**.

3. Nivien A. Nafady, Fatthy M. Morsy, Magdy M. K. Bagy, Mohamed H. Abd-Alla, **Ghada A. M. Moukabel (2014)**: Fungal diversity in *Zea mays* L. plants and the ability of some isolated *Aspergillus terreus* isolates to produce riboflavin. Assiut University Journal of Botany, 43(2):1-25.
4. Nivien Allam Nafady, Magdy Mohamed Khalil Bagy, Mohamed Hemida Abd-Alla, Fatthy Mohamed Morsy, **Ghada Abd-Elmonsef Mahmoud (2015)**: Improvement of medium components for high riboflavin production by *Aspergillus terreus* using response surface methodology. Rendiconti Lincei, 26(3): 335-344.
5. **Ghada A. Mahmoud**, M.M.M. Koutb, F.M. Morsy and M. M.K. Bagy (2015): Mycoflora Isolated from Mazot and Solar Polluted Soils in Upper Egypt. Egyptian Journal of Soil Science, 55(1): 15-30.
6. **Ghada A. Mahmoud**, M.M.M. Koutb, F.M. Morsy and M. M.K. Bagy (2015): Characterization of lipase enzyme produced by hydrocarbons utilizing fungus *Aspergillus terreus*. European Journal of Biological Research, 5(3): 70-77.
7. Mohamed Hemida Abd-Alla, Magdy Mohamed Khalil Bagy, Nivien Allam Nafady, Fatthy Mohamed Morsy and **Ghada Abd-Elmonsef Mahmoud (2016)**: Activation of Riboflavin Production by *Bacillus subtilis* (KU559874) and *Bacillus tequilensis* (KU559876). EC Bacteriology and Virology Research, 2.4: 131-150.
8. Magdy Mohamed Khalil Bagy, Mohamed Hemida Abd-Alla, Nivien Allam Nafady, Fatthy Mohamed Morsy, **Ghada Abd-Elmonsef Mahmoud (2016)**: Bioconversion of plant wastes to β -carotene by *Rhodotorula glutinis* KU550702. European Journal of Biological Research, 6 (4): 226-241.
9. Nivien Allam Nafady, Magdy Mohamed Khalil Bagy, Mohamed Hemida Abd-Alla, Fatthy Mohamed Morsy and **Ghada Abd-Elmonsef Mahmoud (2016)**: Bio-enrichment of β -carotene production by *Fusarium camptoceras* grown on sugarcane molasses using statistical approach. International Journal of Biotechnology and Research, 7 (3): 1186-1203.
10. **Ghada Abd-Elmonsef Mahmoud** and Hassan H. A. Mostafa (2017): Statistical optimization as a powerful tool for indole acetic acid production by *Fusarium oxysporum*. European Journal of Biological Research, 7(4): 315-323.
11. **Ghada AEM** and Walid MAA (2017): Red yeast as a powerful stable biopigment producer under various growth conditions. Current Research in

Environmental & Applied Mycology, 7(4): 331–345.

12. Abdel-Naser A. Zohri, **Ghada Abd-Elmonsef Mahmoud**, Nermien H. Sadik, Radwa Adel Hanafy (2018): Optimization of kojic acid production conditions from cane molasses using Plackett-Burman design. European Journal of Biological Research, 8(2): 56-69.

13. Hefzy M. M. and **Ghada Abd-Elmonsef Mahmoud**. Application of microbial gibberellins produced by *Fusarium camptoceras* KU215707 on *Zea mays* (L.) plants under different levels of water salinity. The Nine International Conference on Environment and Development in the Arab World, Assiut University, Egypt, **15-17 April, 2018**.

14. Abdel-Naser A. Zohri, **Ghada Abd-Elmonsef Mahmoud**, Nermien H. Sadik, Radwa Adel Hanafy (2018): A Study on the Factors Affecting Biomass Formation by a highly Kojic acid Producer Fungal Isolate from Sugarcane Molasses. Egyptian Sugar Journal, 11: 105 -124.

15. **Ghada Abd-Elmonsef Mahmoud**, Bagy, M. M.K., Koutb, M.M.M. and Morsy, F.M. Crude oil utilization and extracellular lipase activity by fungi isolated from hydrocarbon polluted soils in Upper Egypt, Published in 13th International Conference of Egyptian Soil Science Society (ESSS), Management of water and soil resources under global climate changes, Cairo, Egypt, **4-5 December, 2018**.

16. Mohamed M. H. and **Ghada Abd-Elmonsef Mahmoud** (2018): Microbial gibberellins impact of on *Zea mays* (L.) plants under different levels of water salinity. Egyptian Journal of Soil Science, 58(3): 373-382.

17. Ahmed Hassan Ahmed Mansour, **Ghada Abd-Elmonsef Mahmoud** and Asmaa Ahmed Mohamed (2018): Evaluation of Natural Oils Impact on Flame Seedless Grape Quality at Harvest and Storage Marketing Process. Asian Journal of Biological Research, 11(4):228-235.

18. **Ghada A. Mahmoud**, W. A. Hamd-Alla and M. Hefzy (2018): Intercropping *Faba bean* with Some Crops and Its Impact on the Production, Phyllosphere and Rhizosphere Microorganisms Under Modern Irrigation Systems. Assiut Journal of Agriculture Science, 52(4): 44-63.

19. **Ghada Abd-Elmonsef Mahmoud** and Abdel-Naser A. Zohri. Enhancement of kojic acid production by local isolates of *Aspergillus oryzae* using response surface methodology as statistical method. The Third International Conference on Basic and Applied Mycology (3rd ICBAM), Assiut University, Egypt, **10 March, 2019**.

- 20.** Ahmed Hassan Ahmed Mansour, **Ghada Abd-Elmonsef Mahmoud** and Asmaa Ahmed Mohamed (2019): Fungal biodiversity, total loss and berry quality of Flame Seedless grape during storage as affected with natural oils pre- harvest spraying. *Fayoum J. Agric. Res, & Dev.* 33(1B): 340-355.
- 21.** **Ghada Abd-Elmonsef Mahmoud**, Amna S.A. Zidan, Aref A.M. Aly, Hanan K. Mosbah and Ahmed B.M. Ibrahim (2019): Calcium and strontium anthranilate complexes as effective *Fusarium moniliforme* controlling agents. *Appl Organometal Chem.* 33(2): e4740. <https://doi.org/10.1002/aoc.4740>.
- 22.** Ahmed B.M. Ibrahim and **Ghada Abd-Elmonsef Mahmoud** (2019): Nonstoichiometric Mesoporous Cu_{1.90}S Nanoparticles Hydrothermally Prepared from a Copper Anthranilate Complex Inhibit Cellulases of Phytopathogenic Fungi. *Journal of Inorganic and Organometallic Polymers and Materials.* 29(4):1280-1287 <https://doi.org/10.1007/s10904-019-01091-6>
- 23.** Sara S. Abdel-Hakeem, **Ghada Abd-Elmonsef Mahmoud** and Hanan H. Abdel-Hafeez (2019): Evaluation and Microanalysis of Parasitic and Bacterial Agents of Egyptian Fresh Sushi, *Salmo salar*. *Microscopy and Microanalysis.* 25(6):1498–1508. [doi:10.1017/S143192761901506X](https://doi.org/10.1017/S143192761901506X)
- 24.** Ibrahim, ABM, Zidan, ASA, Aly, AAM, Mosbah, HK, **Ghada Abd-Elmonsef Mahmoud** (2020) Mesoporous cadmium sulfide nanoparticles derived from a new cadmium anthranilate complex: Characterization and induction of morphological abnormalities in pathogenic fungi. *Appl Organometal Chem.* 34(2);e5391. <https://doi.org/10.1002/aoc.5391>
- 25.** Azza H. Z. El-deen; A. M. Abd El-Rahim; F. E. El-Gazzar; Dina M. Ossman and **Ghada A. Mahmoud** (2020) Chemical and Microbiological Qualities of Certain Local Dairy Products in Assiut City. *J. of Food and Dairy Sci., Mansoura Univ., Vol 11 (6):165-169.* [DOI: 10.21608/jfds.2020.106386](https://doi.org/10.21608/jfds.2020.106386)
- 26.** **Ghada Abd-Elmonsef Mahmoud**, Ibrahim, ABM, Peter Mayer (2020) Zn(II) and Cd(II) thiosemicarbazones for stimulation/inhibition of kojic acid biosynthesis from *Aspergillus flavus* and the fungal defense behavior against the metal complexes' excesses. *JBIC Journal of Biological Inorganic Chemistry* 25:797–809. <https://doi.org/10.1007/s00775-020-01802-2>
- 27.** Hani Nasser Abdelhamid, **Ghada Abd-Elmonsef Mahmoud**, and Walid Sharmouk (2020): A cerium-based MOFzyme with multi-enzyme-like activity for the disruption and inhibition of fungal recolonization. *Journal of*

Materials Chemistry B, 8, 7548--7556. [DOI: 10.1039/d0tb00894j](https://doi.org/10.1039/d0tb00894j)

- 28. Ghada Abd-Elmonsef Mahmoud**, Yassein Ahmed Osman and Sara Salah Abdel-Hakeem (2020) Hydrolytic bacteria associated with natural helminth infection in the midgut of Red Sea marbled spinefoot rabbit fish *Siganus rivulatus*. *Microbial Pathogenesis*. 147: 104404. <https://doi.org/10.1016/j.micpath.2020.104404>
- 29.** Adel F. Ahmed, **Ghada Abd-Elmonsef Mahmoud**, Changyang Ma, Wenyi Kang (2020) Antioxidant and Antimicrobial Activities of Essential oils and Extracts of Thyme (*Thymus vulgaris* L.) and oregano (*Origanum vulgare* L.) plants grown in Egypt. *Journal of Henan University (Medical Science)* 39(3):157-170.
- 30.** Ahmed B.M. Ibrahim and **Ghada Abd-Elmonsef Mahmoud (2021)**: Chemical- vs sonochemical-assisted synthesis of ZnO nanoparticles from a new zinc complex for improvement of carotene biosynthesis from *Rhodotorula toruloides* MH023518. *Appl Organomet Chem*. 35,e6086. <https://doi.org/10.1002/aoc.6086>
- 31.** Ahmed B.M. Ibrahim, **Ghada Abd-Elmonsef Mahmoud**, Florian Meurer, Michael Bodensteiner (2021): Preparation and crystallographic studies of a new mercuric salicylaldimine complex for fabrication of microscaled and nanoscaled mercuric sulfide as antimicrobial agents against human pathogenic yeasts and filamentous fungi. *Appl Organomet Chem*. 35, e6134. <https://doi.org/10.1002/aoc.6134>
- 32. Ghada Abd-Elmonsef Mahmoud**, Bashandy, S.R. (2021) Nitrogen, Amino Acids, and Carbon as Control Factors of Riboflavin Production by *Novosphingobium panipatense*-SR3 (MT002778). *Curr Microbiol* 78:1577–1589. <https://doi.org/10.1007/s00284-021-02376-1>
- 33. Ghada Abd-Elmonsef Mahmoud**, Ibrahim, ABM, Peter Mayer (2021) $(\text{NH}_4)_2[\text{Ni}(\text{H}_2\text{O})_6]_2\text{V}_{10}\text{O}_{28} \cdot 4\text{H}_2\text{O}$; Structural Analysis and Bactericidal Activity against Pathogenic Gram Negative Bacteria. *ChemistrySelect* 2021, 6, 3782 –3787. <https://doi.org/10.1002/slct.202100006>
- 34.** Mahmoud, G. A.-E., & Zohri, A.-N. A. (2021). AMEDMENT STABLE KOJIC ACID PRODUCED BY NON-TOXINOGENIC ASPERGILLUS ORYZAE USING FIVE LEVELS CENTRAL COMPOSITE DESIGN OF RESPONSE SURFACE METHODOLOGY: Stable kojic acid production. *Journal of Microbiology, Biotechnology and Food Sciences*, 10(6), e2683. <https://doi.org/10.15414/jmbfs.2683>

35. Ghada Abd-Elmonsef Mahmoud, Hassan A. H. Soltan, Walid Mohamed Abdel-Aleem, Sayed A. M. Osman (2021) Safe natural bio-pigment production by *Monascus purpureus* using mixed carbon sources with cytotoxicity evaluation on root tips of *Allium cepa* L. *J Food Sci Technol*, 58(7):2516–2527. <https://doi.org/10.1007/s13197-020-04758-y>.