



Curriculum Vitae

Dr. Emad Ahmed Shalaby

Professor of Biochemistry

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Web sites:

<http://scholar.cu.edu.eg/?q=emad-shalaby/biocy>

<https://scholar.google.com/citations?user=Y345SO4AAAAJ&hl=en>

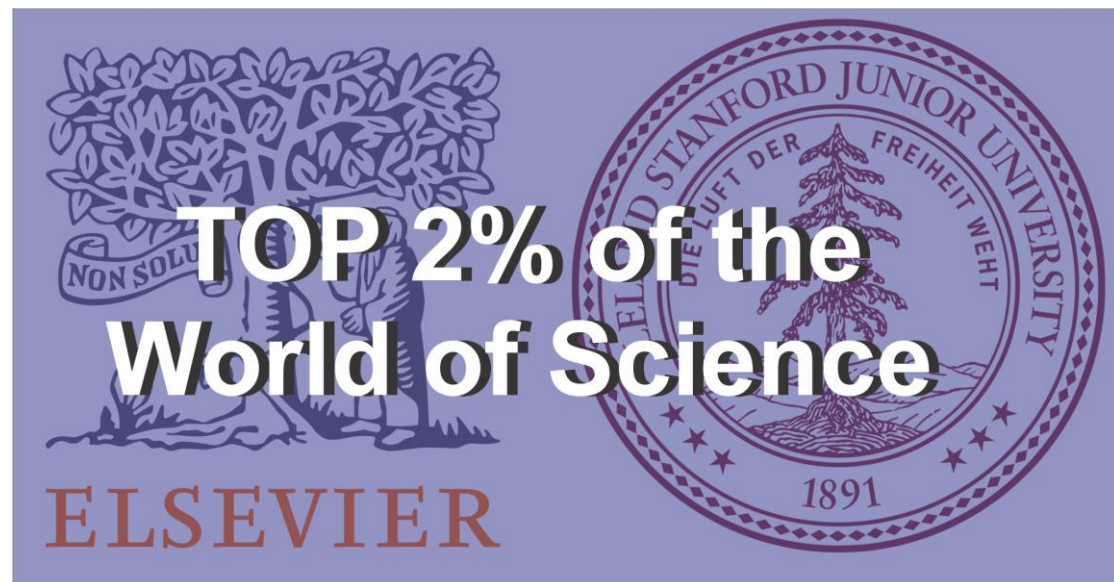
<https://www.researchgate.net/profile/Emad-Shalaby>

<https://independent.academia.edu/%D9%8FEmadShalaby>

<http://www.livedna.net/?dna=20.2197>

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Personal Data

Date of birth : 29/9/1979

Place of birth : Cairo/Egypt

Occupation:

Place and Current position:

- Professor of Biochemistry, Faculty of Agriculture, Cairo University, Egypt
- Vice-dean of higher institute for computer and business administration, Alzarka, Damietta, Egypt
- Academic advisor to the Afro-Asian Union (AFASU)
- Member in Cairo University International Ranking Unit, Cairo University, Egypt
- Member in the technical committee/office of vice-president for post-graduate and research, Cairo University, Egypt
- International expert in international accreditation and quality assurance
- Member in the committee of new academic program, PMU, Ministry of higher education (MOHE)
- Member in Cairo University international publication committee
- Expert in quality assurance with Project management Unit (PMU), Ministry of higher education
- Coordinator of Cairo University central laboratory (Virtual central lab)
- Supervisor for graduation projects for different private universities

Previous position (2013-2021)

- Executive Director of Cairo University Research Park (CURP)
- Consultant of Vice Rector of Academic Affairs-Hail University, KSA for 3 years
- Director of Quality and Accreditation Department, Hail University, Kingdom of Saudi Arabia for 8 years.
- Professor - Chemistry Department - College of Science – Hail University, KSA

Previous position (2008-2012)

- Assistant professor of Biochemistry, Faculty of Agriculture, Cairo University
- Consultant, Project management Unit (PMU), Ministry of higher education, Egypt
- Member in central lab committee, Cairo University (2008-2010)

Nationality: Egyptian

Social condition: Married

Educational Back Ground

- **B.Sc.** Biochemistry Department, Cairo University – May 2000.
- **M.Sc.** Biochemistry Department, Cairo University (November 2004).
- **Ph.D.** Biochemistry Department, Cairo University (November 2008).
- Associate Prof. Biochemistry, Cairo University, (Dec., 2013)
- Prof. Biochemistry, Cairo University, (Dec., 2018) **Excellency promotion**
- **Post doctor in Okinawa, Japan** (9-12/2010)

Computer: ICDL certificate

Knowledge of Languages:

- Arabic (mother tongue), English (fluency spoken and written,

Career Objective:

- To acquire a challenging position in research and / or teaching leader in research and teaching programs (with credited hour system) and follow up the quality assurance process in our university.

Awards

- From the top 2% of global scientist according to Sandford University Ranking (version 2022).
- Excellence Award in agriculture science, Cairo university, 2022
- Egyptian State Prize in Agriculture Science, 2013
- University Prize (Cairo University), in advanced technological science, 2012, Egypt.
- The prize of best PhD Thesis (May /2010 Cairo University).
- Promotion to the degree of professor by scientific excellence (Cairo University) as first professor in Egypt In agriculture science.
- The 1st and 2 nd rank of graduation projects, faculty of Agriculture, Cairo University (July 2022)
- MENAA Award for best internal quality assurance system in Hail University, KSA, 2016/2017 (Dubai)
- The prize of best assist. Lecturer of Cairo University (April 2008).
- The prize of best development course in Faculty of Agriculture (Enzymes and metabolism chemistry course, April 2008).
- Membership of Marquis WHO is WHO International Agency (Nov. 2011).
- The Prize of best scientific articles published in: International Journal of Chemical and Biochemical Sciences (2014).

Experiences in Quality assurance and accreditation field:

- Team chair (TC) for simulation visit for college of engineering, Ain Shams University in the light of ABET criteria
- External evaluator for the new project (cycle 2) from PMU, MOHE, entitle: international accreditation for academic programs (March 2022).
- External evaluator for international accreditation projects (cycle 1), PMU, MOHE during April-May 2022.
- External evaluator for the self-study reports of international accreditation for 18 SSR (such as nursing college- Cairo University, Media college Cairo University, Nursing college Assuite university--etc).
- Trainer in International accreditation training course, for more than 35 college from government University (during 2021-2022).
- Trainer in International accreditation training course, MUST university, Feb. 2022.
- Coordinator of college of Agriculture international accreditation from British agency (6-11/2021).
- External auditor for the new project from PMU, MHE, entitle: Center of Support and Qualify Students for Entrepreneurship and the labor Market (CSEM-1) (October, 2020).
- Director of Quality and Accreditation Administration, Hail University (12/2012 until 6/2020).
- Establishment of quality activities and practices in hail University (2012-2020).
- Co-Ordinator of strategic plan for Hail University (18-23).
- Co-Ordinator for qualification of Hail University for accreditation from ASIC (UK). (2017).

- Co-coordinator for qualification of Hail University for ISO 9001/2015 (From TUV-SUD) (2017).
- Main author in the following publication: (Academic Reference Stander-Hail University; Key Performance indicators Book (Arabic and English Versions); Academic Program Progress Book.
- Participation for Qualification of Skills Administration for Accreditation from IBCT (2015).
- Trainer for quality assurance system (ISO 9001/2015) for staff members, hail university (13-15 December 2016).
- Co-coordinator of internal auditing-Hail University from 2013 until now.
- Co-coordinator of Self-Assessment and Self-study of Hail University 2015.
- Co-coordinator of Exit exam for all academic program in Hail University from 2013 until now.
- Two Published article in quality assurance field:
- Ibrahim S. Al-Aodah, ; Hany R. Alalfy, and Emad A. Shalaby (2013). Role of Development and Accreditation Deanship for Qualification of Hail Faculties, Saudi Arabia for Local Accreditation. In press in Greener J of Education Res.
- Hany R. Alalfy, Ibrahim S. Al-Aodah, Emad A. Shalaby (2013). Leadership Skills in Higher Education. Mediterranean Journal of Social Sciences, Published by MCSER-CEMAS-Sapienza University of Rome Vol 4 No 2, May 2013.
- Trainer for 325 workshops in the field of Quality assurance (Self-study-KPIs-Program and course specification and report-ILOs-ARS and NARS---etc

- Twelve training courses in FLDC center including (credit hours-effective presentation- E-learning- Scientific research tools-proposal written, Literature and Ethics, Systems of examinations and assessment of students)
- Four training courses in Strategic plane (with Prof. Dr. Hassan El-Shatory April, May, June and July, 2009, Library –Faculty of Agriculture, Cairo University)
- Training course in National Academic reference Standard (NARS) with Prof. Dr. Ashraf Barkawy (Vice-President of National Authority for Quality Assurance and Accreditation of Education) , May, 2009, Faculty of Agriculture library, Cairo University)
- Monitoring and Team member follow-up with Program of Continuous Improvement and Qualification for Accreditation Project (PCIQA), Ministry of higher education (From February, 2009 till now). PCIQA program including the following Projects: Quality Assurance and Accreditation Project (QAAP); Continuous Improvement and Qualification for Accreditation Project (CIQAP); Lab Certification Project (HLCP); Development of Academic Programs Projects (DAPAP); Student Assessment systems Projects (DSASP); Development of Faculties of Basic Science Project (DFBSP).
- Training course in peer reviewer’s preparation and simulation in National Authority for Quality Assurance and Accreditation of Education (August/2009, NAQAA).
- Technical Support in Strategic plan-Academic standards-Financial part-Course and program specification Accreditation standard for more than 40 projects in three national universities (Ain Shams-Monofya and South village).

- Reviewer for more than 40 academic development projects for five Egyptian Universities (Ain Shams, El Monofya ,South village, Assiut and Mansoura university) including QAAP2 (4 and 5), CIQAP (I, II, III and IV), Competitive projects (Cycles I, II and III) and Student participation projects.
- More than 150 site visits for academic development project
- Evaluation for more than 50 academic development projects for three Egyptian Universities (Ain Shams, El Monofya ,South village)
- Internal auditing (Faculty of Agriculture, Cairo University from 12/2009 till 2012.
- Visits receipt for QAAP2 projects in different faculties
- Revision of self-study and Strategic plan for Faculty of Agriculture and Faculty of Pharmacy-Ain Shams University and Faculty of medicine-El-Monofya university
- Arbitration competitive projects and CIQAP projects, Ministry of higher education (more than 20 projects)
- Member of the standard of students and graduates in addition to the standard of educational programs, Faculty of Agriculture, Cairo University (1/10/2008 till now)
- Reviewer for Accreditation standards, Faculty of Agriculture, Cairo University (5/2010 till now).
- Participate in the design and development of Academic standard for postgraduate Program in our department-Faculty of Agriculture Cairo University
- Co-ordinate of biochemistry program, Fac., of Agriculture, Cairo University (Jan, 2011).
- Membership in the committee of quality assurance unit of biochemistry dept. from 2010 to 2012.

- Workshop of financial and technical support and its reports for Menofya and South Village Universities (8/2011)
- Coordinate of Educational program Standard in faculty of Agriculture, Cairo University (2007-2008).

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Contributions in development and design the academic programs

- Coordinator for central committee for design and development the academic program in Hail University (2017-2020).
- Internal reviewer for 23 academic programs in Hail University, kingdom of Saudi Arabia (2015-2020).
- Design the environmental biochemistry program, faculty of Agriculture, Cairo University (2020-2021).
- Design the food safety program for tourism and travel institutes, ministry of higher education.
- Development of biotechnology programs (English and Arabic languages) faculty of Agriculture, Cairo University (2021-2022).

Graduation projects

- Supervisors for more than 40 students from English and Arabic Biotechnology programs, faculty of Agriculture, Cairo University (during 2020-2022).
- Supervisor for more than 12 students from biotechnology program, MSA University (during 2021-2022)
- Supervisors for more than 4 students from chemistry programs, faculty of Science, Hail University (during 2018-2020).

Information about *h* index and paper citations

Total **101** international publications

In Scopus: 52 Documents, *h* index **18** at 2022, Total citations **1301** times.

In Google scholar: The *h* index **28** at 2022; Total citation **3400**.

- **List of publication**
- **Emad A. Shalaby, PH.D.**

URL: <http://livedna.org/20.2197>

- 1- El-Baz, F.K.; Abd El Baky.; El-Baroty, G. S. and **Shalaby, E. A.** (2004). Overproduction of lipid rich in gamma linoleic acid by blue green alga *Spirulina maxima* and its inhibitory effect on carcinoma cell. The Second Conference on the Role of Biochemistry in Environmental and Agriculture.
- 2- El-Baroty, G. S.; Shallan, M.; Ali, M. A.; Abd El Baky, H.; El-Baz, F. K. and **Shalaby, E. A.** (2005). The antiviral activity of different extracts from *Spirulina maxima*. 3rd Conference on Recent Technology in Agriculture, Faculty of Agriculture, Cairo University
- 3- El Baroty, G. S.; Moussa, M. Y.; Shallan, G. S.; Ali, M. A.; Sabh, A.Z. and **Shalaby, E. A.** (2007). Contribution to the Aroma, Biological Activities, Minerals, Proteins, Pigments and Lipid Contents of the Red Alga: *Asparagopsis taxiformis* (Delile) Trevisan, Journal of Applied Sciences Research, 3(12): 1825-1834.
- 5- Moussa, M. Y.; El Baroty, G. S.; Shallan, M. A. and **Shalaby, E. A.** (2009). Tissue culture, transplantation of the wild red alga *Asparagopsis taxiformis* (Delile) Trevisan, green alga *Enteromorpha*

intestinalis (Linnaeus) Nees and their antioxidant activity. Bull. Fac. Pharm. Cairo University, 47(1): 1-6.

- 6- Abou Elalla, F. M and **Shalaby, E. A. (2009)**. Antioxidant Activity of Extract and Semi- Purified Fractions of Marine Red Macroalga, Gracilaria Verrucosa Australian Journal of Basic and Applied Sciences, 3(4): 3179-3185.
- 7- Afify, A. M.; **Shalaby, E. A** and Shanab, S. M. (2010). Enhancement of Biodiesel Production from Different Algal Species Grasas y Aceites, 61 (4). 416-422. (IF = 1.140)
- 8- Sanaa, M. M. Shanab, **Shalaby, E. A.** David A. Lightfoot and Hany A. El- Shemy. (2010). Allelopathic effects of water hyacinth (Eichhornia crassipes). PLoS ONE. 5(10): e13200. (IF = 4.41)
- 9- **Shalaby, E. A** and Shanab, S. M. (2010). Salt Stress Enhancement of Antioxidant and Antiviral Efficiency of Spirulina platensis. Journal of Medicinal Plants Research 4(24): 2622-2632 (IF = 0.59)
- 10- **Shalaby, E. A** and N. F. Nasr; Samia M El Sherief (2011). A comparison of the Antimicrobial Efficacy of NaOCl versus Some Natural Essential Oils for Root Canal Irrigation. J of Medicinal Plant Research, 5(6), 922-931. (IF = 0.59)
- 11- Yasser M. Ahmed, **Shalaby, E. A** and Shanan T.A. Nermeen (2011). Improving vegetative growth, yield characters and the antioxidant activity of Roselle plants (Hibiscus sabdariffa L.). African Journal of Biotechnology 10 (11): 1988-1996. (IF = 0.325)
- 12- Emara, Kh. S and **Shalaby, E. A** (2011). Seasonal Variation of Fixed and Volatile Oil Percentage of Four Eucalyptus Spp. Related

to Lamina Anatomy. African Journal of Plant Science 5 (6): 353-359.

- 13- Abd El-Moneim M. R. Afify; Sayed A. Fayed and **Shalaby, E. A (2011)**. Monitoring of basic and acid radicals loads in main canal, Giza governorate: The possible risk to health of consumers. Journal of Environmental Chemistry and Ecotoxicology 3(3):37-44.
- 14- Ahmed M. Aboul-Enein, Ahmed M. Al-Abd, **Shalaby, E. A** , Faten Abul-Ela, Amr A Nasr-Allah, Ali M Mahmoud, Hany A. El-Shemy. (2011). Eichhornia crassipes (Mart) solms: from Water parasite to potential medicinal remedy, Plant signaling and Behavior 6(6): 834-836 (**IF=1.671**).
- 15- Nermeen T. Shanan and **Shalaby, E. A (2011)**. Influence of some chemical compounds as antitranspirant agents on vase life of Monstera deliciosa leaves. African Journal of Agricultural Research, 6(1):132-139. (**IF = 0.81**)
- 16- **Shalaby, E. A. (2011)**. Prospects of effective microorganism's technology in wastes treatment in Egypt. Asian Pacific Journal of Tropical Biomedicine, 1-6. (**IF=1.903**)
- 17- Abd El-Moneim M. R. Afify, Sayed A. Fayed, **Shalaby, E. A** and Hany A. El-Shemy (2012). Syzygium cumini (pomposia) active principles exhibit potent anticancer and antioxidant activities. African Journal of Pharmacy and Pharmacology, 7:948-956 (**IF = 0.60**)
- 18- Soha S.M. Mostafa; Ghada I. Mahmoud; **Shalaby, E. A. (2012)** Cultivating Microalgae in Domestic Wastewater for Biodiesel Production. Not Sci Biol, 4(1):56-65. (**Scopus indexed**)

- 19- Afify, AMR.; El-Beltagi, HS.; Fayed, SA.; **Shalaby, EA. (2011)**. Acaricidal activity of successive extracts from *Syzygium cumini* L. Skeels (Pomposia) against *Tetranychus urticae* Koch. Asian Pacific Journal of Tropical Biomedicine (2011)1-6. **(IF=1.903)**
- 20- Shehata, S. A. Gharib, A. A., Mohamed M. El-Mogy, Abdel Gawad, K. F. and **Emad A. Shalaby (2011)**. Influence of compost, amino and humic acids on the growth, yield and chemical parameters of strawberries. Journal of Medicinal Plants Research 5(11): 2304-2308. **(IF = 0.59)**
- 21- S.M.M.Shanab , M. A.Ameer, A. M. Fekry, A. A. Ghoneim, and **E. A. Shalaby (2011)**. Corrosion Resistance of Magnesium Alloy (AZ31E) as Orthopaedic Biomaterials in Sodium Chloride Containing Antioxidantly Active Compounds from *Eichhornia crassipes*. Int. J. Electrochem. Sci., 6 (2011) 3017 – 3035. **(IF = 3.77)**
- 22- Ahmed M. Aboul-Enein, **Emad A. Shalaby**, Faten Abul-Ela, Amr A Nasr-Allah, Ali M. Mahmoud, Hany A. El-Shemy Ahmed M. Al-Abd , **(2011)** Back to Nature: Spotlight on Cancer Therapeutics. Vital signs, summer 2011. 8-9.
- 23- **Emad A. Shalaby. (2011)**. Algae as promising organisms for environment and health. Plant signaling and behavior. 6 (9).1338-1350. **(IF=1.671)**
- 24- Ahmed M. Aboul-Enein, **Emad A. Shalaby**, Faten Abul-Ela, Amr A Nasr-Allah, Ali M. Mahmoud, Hany A. El-Shemy Ahmed M. Al-Abd **(2011)**. Back to Nature: Spotlight on Cancer Therapeutics. Vital signs, summer 2011. 8-9.

- 25- Sanaa M. M. Shanab, **Emad A. Shalaby** (2012). Bioremediation of Three Heavy Metals by Some Microalgae Species (Egyptian Isolates), *Plant signaling and Behavior*, 7(3): 392-399. (IF=1.671)
- 26- Ahmed M. Aboul-Enein, **Emad A. Shalaby**, Faten Abul-Ela, Hany A. El-Shemy (2012). Traditional Medicinal Plants Research in Egypt: Studies of Antioxidant and Anticancer Activities. *Journal of Medicinal Plant Research*. 3(8): 556-562. (IF = 0.59)
- 27- Abd El-Moneim M. R. Afify, **Emad A. Shalaby** and Hossam S. El-Beltagi. (2011). Antioxidant activity of aqueous extracts of different caffeine products. *Journal of Medicinal Plants Research* 5(20): 5071-5078. (IF = 0.59)
- 28. Shehata S.A., Ahmed Y.M., **Emad A. Shalaby** and Omaima S. Darwish. (2011). Influence of Compost Rates and Application Time on Growth, Yield and Chemical Composition of Snap Beans (*Phaseolus vulgaris* L). *Australian Journal of Basic and Applied Sciences*, 5(9): 530-536. (Scopus)
- 29. **Emad A. Shalaby**, and Nour Sh. El-Gendy. (2012). Two steps alkaline transesterification of waste cooking oil and quality assessment of produced biodiesel. *International Journal of Chemical and Biochemical Sciences*. IJCBS, 1(2012): 30-35.
- 30- **Emad A. Shalaby** (2011). *Algal Biomass and Biodiesel Production, Biodiesel - Feedstocks and Processing Technologies*, Margarita Stoytcheva and Gisela Montero (Ed.), ISBN: 978-953-307-713-0, InTech, Available from: <http://www.intechopen.com/articles/show/title/algal-biomass-and-biodiesel-production>.
- 31- Soha S.M. Mostafa, **Emad A. Shalaby**, Ghada I. Mahmoud. (2012). Cultivating Microalgae in Domestic Wastewater for

Biodiesel Production. Not Sci Biol, 2012, 4(1):56-65. (Scopus indexed)

- 32-Sanaa MM Shanab, Soha SM Mostafa, **Emad A Shalaby**, Ghada I Mahmoud. (2012). Aqueous extracts of microalgae exhibit antioxidant and anticancer Activities. Asian Pacific Journal of Tropical Biomedicine, 2012, 608-615. (IF=1.903)
- 33- Sanaa M. M. Shanab and **Emad A. Shalaby** (2012). Biological activities and anticorrosion efficiency of water hyacinth (*Eichhornia crassipes*). Journal of Medicinal Plants Research Vol. 6(23), pp.3950-3962, 21 June, 2012. (IF = 0.59)
- 34- N. M. El-Moein, E. A. Mahmoud and **Emad A. Shalaby**. (2012). Antioxidant Mechanism of Active Ingredients Separated from Eucalyptus Globules. Organic Chem Curr Res 2012, 1:2.
- 35- **Shalaby, EA.** (2012). Primary and Secondary metabolites of marine macroalgae ISBN: 978-3- 17228-1
- 36- **Shalaby, EA.** (2012). Biological activities of superfood; Spirulina sp ISBN: 978-3-659-16433-0.
- 37-**Emad A. Shalaby** (2011). Biodiesel - Feedstocks and Processing Technologies. ISBN 978-953-307-713-0.
- 38-Sanaa M. M. Shanab and **Emad A. Shalaby** (2012). The First Record of Biological Activities of the Egyptian Red Algal Species *Compsopogon helwanii*. International Journal of Bioscience, Biochemistry and Bioinformatics, Vol. 2, No. 4, July 2012.
- 39- Y.M. Ahmed and **E.A. Shalaby**. (2012). Effect of Different Seaweed Extracts and Compost on Vegetative Growth, Yield and Fruit Quality of Cucumber. Journal of Horticultural Science & Ornamental Plants 4 (3): 235-240, 2012.

- 40- Sanaa M. M. Shanab and **Emad A. Shalaby (2012)**. Biological activities and anticorrosion efficiency of water hyacinth (*Eichhornia crassipes*). Journal of Medicinal Plants Research Vol. 6 (23), pp.3950-3962. (IF = 0.59)
- 41-**Shalaby EA**, Shanab SMM (2013) Antiradical and Antioxidant Activities of Different *Spirulina platensis* Extracts against DPPH and ABTS Radical Assays. J Mar Biol Oceanogr 2:1.
- 42- **Emad A. Shalaby** and Sanaa M. M. Shanab (2013). Antioxidant compounds, assays of determination and mode of action. AJPP 6(32). (IF = 0.31)
- 43. **Emad A. Shalaby. (2013)**. Biofuel: Sources, Extraction and Determination. <http://dx.doi.org/10.5772/51943>, In tech publisher,
- 44. Ibrahim S. Al-Aodah ; Hany R. Alalfy, and **Emad A. Shalaby (2013)**. Role of Development and Accreditation Deanship for Qualification of Hail Faculties, Saudi Arabia for Local Accreditation. Greener J of Education Res.
- 45- Hany R. Alalfy, Ibrahim S. Al-Aodah, **Emad A. Shalaby (2013)**. Leadership Skills in Higher Education. Mediterranean Journal of Social Sciences, Published by MCSER-CEMAS-Sapienza University of Rome Vol 4 No 2, May 2013. (Scopus indexed)
- 46- Eman M. Flefel, Hayam H. Sayed, Ahmed I. Hashem, **Emad A. Shalaby**, Walaa El-Sofany, Farouk M. E. Abdel-Megeid (2014). Pharmacological evaluation of some novel synthesized compounds derived from spiro(cyclohexane-1,2'-thiazolidines) Medicinal Chemistry Research. (IF = 2.4)
- 47- Souad El Gengaihi, Faten M. Aboul Ella, Emad M. Hassan, **Emad A. Shalaby** and Doha H. Abou Baker. (2014). Phytochemical

Investigation of Wastes of Some Grape Varieties Grown in Egypt. Global Journal of Pharmacology 7 (4): 465-473, 2013.

- 48- Shanab, SM.; Hanafy, E and **Shalaby, EA.** (2014). Biodiesel production and antioxidant activity of different Egyptian Date seeds palm. Asian J of Biochemistry. (**Scopus indexed**)
- 49- Souad El Gengaihi, Faten M Aboul Ella, Emad M H, **Emad Shalaby** and Doha (2014). Antioxidant Activity of Phenolic Compounds from Different Grape Wastes. J Food Process Technol 2014, 5:2. (**Scopus indexed**)
- 50- Zaid M. El-Shemry, Samir R. E. Abo-Hegazy, **Emad A. Shalaby.** (2014). Identification of the Current Situation of Hail University through Self- Assessment Institutional. Greener J of Education Res. Mediterranean Journal of Social Sciences, Published by MCSER-CEMAS-Sapienza University of Rome May 2014.
- 51- Ahmed M. Aboul-Enein, Faten Abu El-Ela, **Emad Shalaby** and Hany EL-Shemy. (2014). Potent Anticancer and Antioxidant Activities of Active Ingredients Separated from Solanum nigrum and Cassia italica Extracts. Journal of Arid Land Studies, 24-1, 145-152. ((**IF = 1.899**))
- 52- **Emad A. Shalaby** (2014). Algae as a Natural Source of Antioxidant Active Compounds, Chapter, CABI. UK publisher.
- 53. E. A. El-Abd , A. S. Sultan , E. A. Shalaby , and F. Matalkah. (2014). Animal Models of Breast Cancer, Springer publisher, USA.
- 54. Walaa S. Abd El Monsef, Awad A. Ragab and **Emad A. Shalaby** (2014). Bioremediation of heavy metals by chemically-modified biomass of algae and Eichhornia sp. Sky Journal of Microbiology Research , 2(7):051 – 058.

- 55- Khalil. N; **Shalaby EA.**; Dalia, M.; Enas M. (2014). Biological activities of secondary metabolites from *Emericella nidulans* EGCU 312. *Afr. J. Microbiol. Res.* 8(20): 2011-2021.
- 56. Ahmed M Aboul-Enein, Sanaa MM Shanab , **Emad A Shalaby**, Malak M Zahran , David A Lightfoot4 and Hany A El-Shemy (2014). Cytotoxic and antioxidant properties of active principals isolated from water hyacinth against four cancer cells lines. *BMC Complementary and Alternative Medicine* 2014, 14:397. (IF = **2.833**)
- 57. Hamdy Elsayed Ahmed Ali, Sanaa Mahmoud Metwally Shanab , Mervat Aly Mohamed Abo-State, **Emad Ahmed Ahmed Shalaby** , Usama Mohamed Nour El Demerdash,e, Mohd Azmuddin Abdullah. (2014). Determination of Antioxidant Activities and Total Phenolic Contents of Three Cyanobacterial Species. *Applied Mechanics and Materials* Vol. 625 (2014) pp 826-829. (**Scopus indexed**)
- 58. Hamdy Elsayed Ahmed Ali , Sanaa Mahmoud Metwally Shanab, Mervat Aly Mohamed Abo-State, **Emad Ahmed Ahmed Shalaby**, Usama Mohamed Nour El Demerdash, Mohd Azmuddin Abdullah1 (2014). Evaluation of Antioxidants, Pigments and Secondary Metabolites Contents in *Spirulina platensis*. *Applied Mechanics and Materials* Vol. 625 (2014) pp 160-163. (**Scopus indexed**)
- 59. Osman M. El-Maghraby, Magdy A. Abu-Gharbia1, El-Sayed M. Soltan, Walaa M. AbdEl-Raheem and **Emad A. Shalaby** (2014). Antimicrobial activity of selected medicinal plants against clinically isolated multi-drug resistant human oral pathogens. *J. Microbiol. Biotech. Res.*, 2014, 4 (6):9-24.

- 60. Magdy A Abu-Gharbia, Osman M El-Maghraby, El-Sayed M Soltan, Walaa M Abd El-Raheem, **Emad A Shalaby**. (2015). Study of antimicrobial efficacy of some plant extracts against oral pathogens and comparative analysis of their efficiency against commercially available toothpastes and mouth rinses. Journal der Pharmazie Forschung Vol-2: No-4: 6-12. (Scopus indexed)
- 61. Hamdy Elsayed Ahmed Ali^{1,a}, Sanaa Mahmoud Metwally Shanab Mervat Aly Mohamed Abo-State^{3,c}, **Emad Ahmed Ahmed Shalaby**, Usama Mohamed Nour El Demerdash¹, Mohd Azmuddin Abdullah. (2014). Screening of Microalgae for Antioxidant Activities, Carotenoids and Phenolic Contents. . Applied Mechanics and Materials 625 (2014): 156-159. (Scopus indexed)
- 62. Samar Said Fatahala, **Emad Ahmed Shalaby**, Shaymaa Emam Kassab and Mossad Said Mohamed. (2015). A Promising Anti-Cancer and Anti-Oxidant Agents Based on the Pyrrole and Fused Pyrrole: Synthesis, Docking Studies and Biological Evaluation. Anti-Cancer Agents in Medicinal Chemistry. 15(4): 517-526. (IF = 2.73)
- 63. Abd-Allah M. Afifi, Fatma S. Ali, **Emad A. Shalaby**, El-Sayed M.A. El- Saiedy and Mahmoud M. Ahmed, (2015). Enhancement of Resistance in Tomato Plants Using Different Compounds against the Two-spotted Spider Mites Tetranychus urticae Koch. Research Journal of Environmental Sciences, 9: 119-136.
- 64. Key Performance indicators Book (2015) . Lambert publisher, Germany.
- 65- **Emad A. Shalaby** (2017). Influence of A biotic stress on biosynthesis of alga-chemicals and its relation to biological activities. Indian J. Marine Sci., 46(1): 23-32. (IF = 0.328)

- 66- **Emad A. Shalaby**, Ghada I. Mahmoud & Sanaa M. M. Shanab (2016). Suggested mechanism for the effect of sweeteners on radical scavenging activity of phenolic compounds in black and green tea. FRONTIERS IN LIFE SCIENCE, 9(4): 241–251. (IF = 1.622)
- 67- Sanaa M. M. Shanab · Eman A. Hanafy· **Emad A. Shalaby**. (2017). Water Hyacinth as Non-edible Source for Biofuel Production. Waste Biomass Valor DOI 10.1007/s12649-016-9816-6. (IF = 2.851)
- 68- Sabry A.A. EL-Sayed, Sarah Y.A. Ahmed, Ola. F.A. Talkhan, **Emad A. Shalaby**. (2017). effect of dietary supplementation by cinnamon and garlic powder on growth performance, interleukin-6 and serum biochemistry in albino rat diets. IJBPAS, February, 2017, 6(2): 263-277. (Scopus)
- 69- **EA Shalaby**, NK Dubey (2018). Polysaccharides from cyanobacteria: response to biotic and abiotic stress and their antiviral activity. Indian J of Geo-marine sci. (IF = 0.328)
- 70- **Emad A Shalaby**, Mohamed B Atta, Ibtisam A Sleem, Mousa A Mohamed, David A Lightfoot, Hany A El-Shemy (2019). Cytotoxicity, Antioxidant and Antiviral Potential of Aqueous Extract from Nostoc muscorum Cultivated in Various Inexpensive Media. Waste and Biomass Valorization, 1-13. (IF = 2.851)
- 71- **Emad A Shalaby**, Awad A Ragab, Ghada I Mahmoud, Sanaa MM Shanab, Walaa S Monsef, Osama Abd-El Fattah, Ahmed E Ghoneim (2019). Enhancement the removal capacity of heavy metals from aqueous solution using different aquatic organisms. Indian Journal of Geo-marine science, 48(01):151-162. (IF = 0.328)

- 72- **Emad A. Shalaby (2019)**. The Relation between the Antioxidant and Prooxidants and Its Effects on Chronic Diseases. *Pharmaceutical Sciences & Analytical Research Journal*, 2(4).
- 73- **Shalaby EA AND Hameed RSA (2020)**. Antioxidant and cytotoxic activities of different plant species collected from Hail region, KSA., *IJBPAS*, March, 2020, 9(3): 517-539. (**Scopus indexed**).
- 74- Shalaby, EA. (2020). The Impact of E-Learning (Distance Learning) Implementation during COVID-19 Virus Pandemic on Intended Learning Outcomes Achievement in Universities. *Virology & Immunology Journal*, 4(1):1.
- 75- El-fayoumy, EA., Shanab, SMM. and Shalaby, EA. (2020). Metabolomics and Biological activities of *Chlorella vulgaris* grown under modified growth medium (BG11) composition. *CMU J. Nat. Sci.* (2020) Vol. 19 (1).91-123 (**IF=0.391**).
- 76- Shanab, SMM. and Shalaby, EA. (2020). The role of salt stress on laboratory cultivation of green macroalga *Enteromorpha compressa* and its antioxidant activity, *Baghdad Science Journal*. December, 54-64. (**Scopus indexed**).
- 77- Shanab, SMM.; Shalaby, EM and Eman A. El-Fayoumy., *Enteromorpha compressa* Exhibits Potent Antioxidant Activity, *Journal of Biomedicine and Biotechnology* Volume 2011 |Article 26405 | <https://doi.org/10.1155/2011/726405> (**IF= 2.4**)

- 78. Emad A. Shalaby, Esraa M. Abd El-halim, Mennatullah M. Moustafa, Alaa A. Mahmoud, Hager S. Ahmed (2021). Comparison between Water Hyacinth and Waste Cooking Oils as Source of Biofuel Production. *Sumerianz Journal of Biotechnology*,3(12): 118-125.
- 79. El-fayoumy, EA.; Shanab, SMM., Gaballa, HS. Tantawy, MA and Shalaby, EA. (2020). Evaluation of antioxidant and anticancer activity of crude extract and different fractions of *Chlorella vulgaris* axenic culture grown under various concentrations of copper ions, *BMC complementary and alternative therapy* (IF, 2.88).
- 80. Nada B Gaber, Sara I El-Dahy, Emad A Shalaby (2021). Comparison of ABTS, DPPH, permanganate, and methylene blue assays for determining antioxidant potential of successive extracts from pomegranate and guava residues. *Biomass Conversion and Biorefinery*, 1-10. (IF= 4.98).
- 81- Sanaa M. M. Shanab Emad A. Shalaby (2021). ANTIVIRAL ACTIVITY OF EXTRACT AND PURIFIED COMPOUND FROM RED MACROALGAE *ASPARAGOPSIS TAXIFORMIS* AGAINST H5N1 VIRUS, *Universal Journal of Pharmaceutical Research* 6(2): 14-19
- 82- RM Romeilah, HS El-Beltagi, EA Shalaby, KM Younes, EL Hani, ... (2021). Antioxidant and cytotoxic activities of *Artemisia*

- monosperma L. and Tamarix aphylla L. essential oils. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 49(1): 12233 (IF= 1.2).
- 83- Walaa M. Elakbawy · Sanaa M. M. Shanab · Emad A. Shalaby (2021). Biological activities and plant growth regulators producing from some microalgae biomass cultivated in different wastewater concentration Biomass Conversion and Biorefinery, 6(1). (IF= 4.98).
 - 84- Eman A. El-fayoumy 1 & Sanaa M. Shanab 1 & Omnia M. A. Hassan 2 & Emad A. Shalaby (2021). Enhancement of active ingredients and biological activities of Nostoc linckia biomass cultivated under modified BG-110 medium composition. Biomass Conversion and Biorefinery, 6(1). (IF= 4.98).
 - 85- Hany A. EL-SHEMY Emad A. SHALABY Kareem M. YOUNES, RMR, Hossam S. (2021). In-vitro evaluation of antioxidant and antiradical potential of successive extracts, semi-purified fractions and biosynthesized silver nanoparticles of Rumex vesicarius. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 49(1) 12923. (IF= 1.2).
 - 86- Emad A. Shalaby and Sanaa M. M. Shanab (2021). The role of salt stress on laboratory cultivation of green macroalga Enteromorpha compressa and its antioxidant activity. Baghdad Science Journal, , 54-64.
 - 87- Ramadan, K.M.A.; El-Beltagi, H.S.; Shanab, S.M.M.; El-fayoumy, E.A.; Emad A. Shalaby.; Bendary, E.S.A. (2021).

Potential Antioxidant and Anticancer Activities of Secondary Metabolites of *Nostoc linckia* Cultivated under Zn and Cu Stress Conditions. *Processes* 9, 1972. <https://doi.org/10.3390/pr9111972>. (IF= 2.44).

- 88- Walaa M. Elakbawy , Sanaa M. M. Shanab, Emad A. Shalaby, Rehab M. Hafez (2021). Plant growth regulators from microalgae biomass and their impact on the genetic fidelity of canola and tomato plantlets. *Biomass Conv. Bioref.* (IF= 4.98).
- 89- Emad A. Shalaby* a and Sanaa M. M. Shanab (2021). First Record for Cultivation of *Asparagopsis Taxiformis* Red Macroalgae using Tissue Culture Technique, *Chem. Sci. Eng. Res.*, 3(8): 39.
- 90- Saravanan Rajendrasozhan Hani El Moll EMS et al (2021). Phytochemical Screening and Antimicrobial Activity of Various Extracts of Aerial Parts of *Rhanterium epapposum*. *Processes*, 9: 1351. (IF= 2.44).
- 91- Jacob, R.; Shanab, S and Shalaby, E. (2021). Algal biomass nanoparticles: chemical characteristics, biological actions, and applications. *Biomass Conv. Bioref.* (IF= 4.98).
- 92- Jacob, R.; Shanab, S and Shalaby, E. (2022). Chelated amino acids: biomass sources, preparation, properties, and biological activities. *Biomass Conv. Bioref.* (IF= 4.98).
- 93- Sanaa M. M. Shanab¹ and Emad A. Shalaby Walaa M. Elakbawy (2022). Enhancement of plant growth regulators production from microalgae cultivated in treated sewage wastewater (TSW). *BMC plant biology.* (IF = 5.01).
- 94 - RMH Walaa M. Elakbawy¹ · Sanaa M. M. Shanab¹ · Emad A. Shalaby (2022). Plant growth regulators from microalgae biomass and their impact on the genetic fidelity of canola and tomato plantlets. *BCB.* (IF = 4.98),

95- Emad A Shalaby, Sanaa MM Shanab, Walaa M Abd El-Raheem, Eman A Hanafy (2022). Biological activities and antioxidant potential of different biosynthesized nanoparticles of *Moringa oleifera*. Scientific Reports, 12(1):1-14.

- **International Chapters and Books**

1-Algal-biomass-and-biodiesel-production ISBN 978-953-307-713-0, In **tech publisher, <http://www.intechopen.com/articles/show/title/>**

2-Primary and Secondary metabolites of marine macroalgae ISBN: 978-3-17228-1

3-Biological activities of super food; Spirulina sp ISBN: 978-3-659-16433-0

4-Biofuel: Sources-Extraction-Determination ISBN 978-953-51-1050-7

5-Radical scavenging activity of algal species ISBN 978-3-659-42125-9

6- Anticancer activity and alternative trials ISBN 978-659-42751-0

7-Algae as a Natural Source of Antioxidant Active Compounds, Chapter, CABI. UK publisher.

8-Animal Models of Breast Cancer, Springer publisher, USA.

9-Key Performance indicators, Lambert publisher, Germany.

10-A Review of Selected Non-Edible Biomass Sources as Feedstock for Biodiesel Production, ISBN 978-953-51-2177-0, In tech.

11-Biological Activities and Application of Marine Polysaccharides, ISBN 978-953-51-2860-1, Print ISBN 978-953-51-2859-5, Publisher: InTech, Chapters published January 11, 2017 under CC BY 3.0 license DOI: 10.5772/62752.

12-Algal chemical compounds, Lambert academic publisher, ISBN 10: 3659859931 ISBN 13: 9783659859939

13-Bioremediation of Different Contaminants by Aquatic Organisms, Lambert academic publisher, ISBN 10: 3659747521 ISBN 13: 9783659747526

14-Biological activities of active ingredients from green macroalga Enter., Lambert academic publisher, ISBN 10: 3659781215 ISBN 13: 9783659781216.

15-Antioxidants in Nutrition and Diet Book, In tech publisher (2018).

16-Antioxidant Book, In tech publisher, (October 2019).

17-Marine Macroalgae: A Potential Source of Plant Growth Regulators (Chapter, 2019), In book: Seaweeds as Plant Fertilizer, Agricultural Biostimulants and Animal Fodder, Taylor and Francis publisher.

18- Plant Growth-Promoting Microbes for Sustainable Biotic and Abiotic Stress Management, Springer 2021 ISBN 978-3-030-66587-6.

19- Algae-mediated silver nanoparticles: synthesis, properties and biological activities, Elsevier, (2021).

Projects:

Participate in the following scientific projects:

- **(PI)** Metabolomics, Biochemical and Computational Studies for the Bioactivity Assessment of Medicinal and Aromatic Plants in Hail Region (2020) 92400 SAR. (Hail University-Kingdom of Saudi Arabia).
- **(PI)** Screening of wild flora in Hail region for active ingredients and biological activities. (PI-2018-2019).32000 SAR. (Hail University-Kingdom of Saudi Arabia).
- **(Co-PI)** Anti-Corrosion and Antimicrobial Activity of Some Heterocyclic Schiff Base compounds supported by the deanship of scientific research, Hail University, KSA. (Project number 0150146) 2017-2018.
- **Team Member:** Natural products as anticancer and antioxidant, 2011-2013 (1,000,000 L.E) STDF-312.
- **Team Member:** Analysis of Delta water (200,000 L.E, 2003-2004)
- **Team Member:** Competition crops for export (2008-2010) 200,000 L.E

- **Member:** Antidepressant agent from Hypericum plant (2008-2011) 1,000,000 L.E
- **Member:** Sustainable system for food and bioenergy production with water saving irrigation in the Egyptian Nile basin (2009-2013) (2008-2014) 19,000,000 L.E

Editor and main author for the following scientific training package:

- 1- Academic Program Development (2016) Hail University, KSA.
- 2- Project Research written (2014) Hail University-Hail-KSA.
- 3- International Scientific Publication (2013) Hail University-Hail-KSA.
- 4- Conference arrangement (2017).
- 5- Safety and security in chemistry labs (2018).

Reviewer for the following scientific training package:

- 1- Scientific writing (2017).
- 2- New teaching strategies (2018).
- 3- Effective presentation.
- 4- Effective communications skills

Reviewer for the following Cairo university prizes:

- Three excellence prizes (October 2022)
- One encourages prize (October 2022)

INTERNATIONAL CONFERENCES (Oral speaker)

1. Speaker in 3rd international upper Egypt nursing colleges conference, Cairo University, Egypt (23 March 2022).
2. Chairperson and speaker in 2nd international upper Egypt nursing colleges conference, Assuite, Egypt (13-14 Feb. 2022).
3. The tourist conferences for updating the professional education, Safier hotel, Dokki, Giza, Egypt, 30-Jan, 2022.

4. 1st international conference for quality and accreditation in Hail University (2-3 May 2017) Millennium Hotel, Hail, KSA.
5. International conference on Environmental Pollution, Faculty of Applied Medical Science, Hail University, Hail, Saudi Arabia, 23/4/2014.
6. International conference on spectroscopy, Golden tube hotel, Hail, Saudi Arabia, 10/2/2014.
7. International conference on the advances in plant science, Chiang Mai, Thailand, 14-18/11/2012
8. 3rd EPS Global International Forum of Regional and Targeted Cancer Therapies (RTCT) from October 28-30, 2011, in Shanghai, the largest city in China.
9. 27 Conference of Effective microorganism's (EM) technology, Okinawa-Japan (20/11-23/11/2010).
10. Annual World Congress on "Bioequivalence & Bioavailability-Pharmaceutical R&D Summit (BIOBIO-2010)" March 1-3, 2010 in Hyderabad, India.
11. 2nd conferences on algae and its uses, Faculty of Science, Sewiss canal, Port Said, Egypt(15-16/2/2010).
12. International conference of water pollutions, NRC, Giza, Egypt (2005).

LOCAL CONFERENCES

1. The coordinator for scientific conference of biochemistry Department, faculty of Agriculture, Cairo University (26 May 2022). The first Conference on the Role of Biochemistry in Environmental and Agriculture. Biochemistry department, Faculty of Agriculture, Cairo University (2002).

2. The second Conference on the Role of Biochemistry in Environmental and -Agriculture. Biochemistry department, Faculty of Agriculture, Cairo University (24-27 Feb, 2004).
3. 2rd Conference on Recent Technology in Agriculture, Faculty of Agriculture, Cairo University (2003).
4. 3rd Conference on Recent Technology in Agriculture, Faculty of Agriculture, Cairo University (2005).
5. 4rd Conference on Recent Technology in Agriculture, Faculty of Agriculture, Cairo University (2006).
6. 5rd Conference on Recent Technology in Agriculture, Faculty of Agriculture, Cairo University (2008).
7. The role of biotechnology in the world (JSPS-Japan Society, El-Zalmalek, Cairo, Egypt) 2007.
8. The university ranking (cooperation between EKB and MOHE), Samir Amis hotel, Cairo, Nov., 2021.

Conference organization committee:

1. 1st international conference for quality and accreditation in Hail University (2-3 May 2017) Millennium Hotel, Hail, KSA (vice-president).
2. The first Conference on the Role of Biochemistry in Environmental and Agriculture. Biochemistry department, Faculty of Agriculture, Cairo University (2002).
3. 2-The second Conference on the Role of Biochemistry in Environmental and -Agriculture. Biochemistry department, Faculty of Agriculture, Cairo University (24-27 Feb, 2004).
4. The role of biotechnology in the world (JSPS-Japan Society, El-Zalmalek, Cairo, Egypt) 2007.

Editorial board in the following international journals:

- Journal of pure and applied chemistry
- Journal of Antioxidant Activity
- American journal of nutrition and food sci.
- MICROBIOLOGY AND BIOTECHNOLOGY PAGES
- Diyala Journal for Pure Science
- Research Journal of Medicinal Plant (Science alert)
- Asian j of biochemistry
- Research Journal of Phytochemistry
- International Journal of Biological Chemistry
- African Journal of Pharmacy and Pharmacological Research
- Journal of Applied Pharmaceutical Science
- Asian j of biotechnology
- Anthesis Journal of Agricultural Sciences
- Int. Res J of Pharmacy and Pharmacology
- Biochemistry insights
- American J of Marine Science
- Chemistry Journal
- Peertechz Journal of Medicinal Chemistry and Research
- International Journal of Pharmacology
- Scholarena Journal of Biotechnology
- Donnish journals
- Agriculture Science Developments
- Journal of Biology and Nature
- Journal of Pharmaceutical, Chemical and Biological Sciences
- International scientific academy of engineering and technology

Reviewer:

1- Journals:

For more than 100 international journals in life science field (Biochemistry, Agriculture science, Molecular biology, Environmental fields, Soil sciences---etc). such as:

- Plos One
- Process of Biochemistry
- Algal research
- Waste and biomass vaporization
- Biocatalysis and Agricultural Biotechnology
- Cell Proliferation
- Arabian Journal of Chemistry
- Scientific reports Journal
- International Journal of Biochemistry and Biotechnology
- Journal of Radiation Research and Applied Sciences
- International Research Journal of Plant Science
- Scientific Journal of Agricultural Sciences
- Journal of Applied Pharmaceutical Science
- Pharmacy and Pharmacology Research
- International Research Journal of Microbiology
- Journal of Scientific Research & Reports
- Chemical Eng, communcations
- Journal of advances in food science and technology
- Environmental Technology & Innovation
- Food Science & Nutrition
- International Journal of Food Science
- Journal of Food and Nutrition Research
- International Journal of Plant & Soil Science
- Journal of Applied Pharmaceutical Science
- Chiang Mai Journal of Science

2- Scientific Projects:

Reviewer for 3 projects funded by "Egypt Knowledge and Technology Alliances Program" 2015-2016.

3- Conference:

International Conference on Chemistry and Chemical Engineering :
reviewer for **three cycles** (ICCCE 2019, 2020 and 2021).

Scientific community

- 1- Membership of Marquis Who Is Who (2011)
- 2- Biochemistry Society (Egypt, Cairo university, faculty of Agriculture).
- 3- Membership in International Scientific Community (2011)
- 4- American chemical society (ACS)
- 5- Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)
- 6- EPS Society
- 6- International Society for Applied Life Sciences (ISALS)
- 7- INTERNATIONAL SCIENTIFIC ACADEMY OF ENGINEERING & TECHNOLOGY (ISAET).
- 8- Euro-Science Society.
- 9- American Association for Science and Technology (AASCIT)
- 10- International Scientific organization.

Membership

- Membership of Egyptian Society of Biochemistry and Biotechnology
- Membership Egyptian journal of Applied Phycology

- Reviewer in international journals (Science alert.com) from 10/2008 till now.
- Reviewer in International Research Journal of Microbiology
- Membership of Cairo University central laboratory from 1/2009 till now
- Membership in Center for Excellence in Education, Faculty of Agriculture, Cairo University from 1/2010 till now
- Membership of Examination Committee Chemicals, Faculty of Agriculture, Cairo University (6/2010 till now)
- Membership of student projects committee in our department since October 2011.

Training

I- As Trainer

Training course titles	dates	No. of hours	Place
Strategic plan	2 Aug 2022	6	Veterinary college, Cairo University
International Accreditation according to AHPGS requirement	16 Aug 2022	6	Mansoura University
International accreditation workshop	19 March 2022	6	MUST University, College of Biotechnology
International accreditation workshop	23 March 2022	5	Nursing college, Cairo University
Qualification of academic program for international accreditation	Aug 2021 September 2021 Oct., 2021 November 2021	3 hrs x 8 training courses	Ain shams univ Cairo Univ Assiute univ
Writing skills and international publications	31 July-2 Aug. 2021	3 x 2	Faculty of Agriculture, Cairo University
International publication	7/2014	10	Cairo University
International scientific publication	5/2013 3/2014 5/2015 12/2016 12/2017 10/2018 2/2020	10 for each	Hail University
Extraction and Purification of active ingredients from plants.	9/2012	5	Mubarak city, Alex.
Financial and Technical writing report for Egyptian University	3/2012	3	PMU, MOHE, Egypt
Scientific project written	4/2015	10	Hail University
Conference organization	3/2017 3/2018	10 for each	Hail University

Training course titles	dates	No. of hours	Place
Quality standards	2/2015	10	Hail University
Effective communication	3/2016	10	Hail University
International accreditation	5/2015	10	Hail University
Academic standards workshop	3/2014 11/2015		Hail University
Quality culture	14 workshops from 2013 until 2017	3 for each	Hail University
Key performance indicators	5/2015 12/2016 12/2017	3 for each	Hail University
Exit exam	2/2016 2/2017	3 for each	Hail University
Intended learning outcomes	14 workshops (from 2013 to 2018)	4 for each	Hail University
Program and course specification	11 workshops (from 2013 to 2016)	3 for each	Hail University
Rubrics for ILOs	12/2016 11/2017	3 for each	Hail University
Teaching and learning strategies	3/2018	5	Hail University
Assessment strategies	3/2018	5	Hail University
Internal auditing training courses	10/2014 10/2015 10/2016 10/2017 10/2018	10 for each	Hail University
Strategic planning	1/2018 2/2018	4 for each	Hail University
Training course for Aljazeera University students on separation of active compounds	27/4-15/5/2012	18 days	Cairo University
Training course for lycee school on algae and its benefits	3/2012	5	Cairo University
Food contaminations and hygiene for students from 9 African countries	5-7/1/2012	2	Int. Egyptian center, Dokki

Training course titles	dates	No. of hours	Place
Training course on Lab security and safety	2004-2007	5 training courses	Cairo University
Self-study report	10 workshops	4 for each	Hail University
Program and course report	16 workshops	4 for each	Hail University

II- As Trainee

Training course titles	dates	No. of hours	Place
Blackboard	23 sept.2020	3	On-line
Saudi qualification framework (SQF)	23-24/1/2019	12	Education Evaluation commission (EEC), Riyadh, KSA
TOT	3/2014	20	Hail University, KSA
Training course in tropical biomass and biofuel utilization	9-12/2010	105 days	Okinawa, Japan
Qualitative and quantitative analysis of natural products	5/2008	15	Cairo University
Separation and determination of proteins	4/2006	15	Cairo University
Training in molecular biology and nucleic acids	3/2009	15	Cairo University
Virology field	6-8/2006	45 days	NRC
LC/MS/MS	8/2012	15	FARP
Time management and meetings	2/2018	10	Hail University
Financial and legal aspects of university work	2/2016	10	Hail University
Crisis Management skills	3/2018	10	Hail University
Ethics of Scientific Res.	2/2016	10	Hail University
Using Technology in teaching	3/2017	10	Hail University
SPSS	12/2016	10	Hail University

Training course titles	dates	No. of hours	Place
Competitive Research Project	4/2016	10	Hail University
Quality standards in the educational process	11/2015	10	Hail University
Effective communication skills	12/2015	10	Hail University
Effective teaching skills	10/2015	10	Hail University
Teaching staff performance evaluation	5/2016	10	Hail University
Electronic questionnaire	10/2017	10	Hail University
Building E-Courses	10/2017	10	Hail University
Building management and research teams	10/2016	10	Hail University
Electronic assessment of students	3/2016	10	Hail University
Measuring of learning outcomes	4/2016	10	Hail University
External reviewers training course	14-24/6/2009	11 days	NAQAA
Literature and Ethics	7/2006	15	FLDC
Effective presentation	7/2005	15	FLDC
Credit hours	11/2008	15	FLDC
Competitive project	7/2008	15	FLDC
New trends in Teaching	11/2006	15	FLDC
Student assessment and exams	5/2010	15	FLDC
Strategic plan	6/2013	15	FLDC
Scientific research tools	3/2007	15	FLDC
International publication	3/2013	10	Hail University
Quality standards	5/2013	10	Hail University

Research Skills:

- Natural products separation
- Biofuel production from agriculture wastes and algae
- Molecular biology
- Use of Algae as Food additives, antioxidant, anticancer agent
- Separation and identification of different active ingredients.
- Study the effect of various natural product as antileukemia.

- Anti-viruses from natural sources (Against H5N1 virus).
- Anti-inflammation activity.
- Chromatographic and Spectroscopic techniques (LC-MS/MS, FPLC, UV, IR, ¹H and ¹³C NMR, GC-MS)
- Chemical analysis (Primary and Secondary metabolites).
- Biological activities (Anticancer, antioxidants, antiviral, antifungal, antibacterial, anti-algal, anti-hypercholesterolemia, hyperglycemia, anti-depression).
- Medical analysis
- Water analysis (Heavy metals accumulation)
- Qualitative and quantitative analysis of pesticides in water samples
- Tissue culture techniques
- Food analysis
- Organic and bio-fertilization
- Separation of protein using different techniques
- Algal biotechnology techniques
- Bioremediation
- biodiesel production

Computer Skills

- Office package
- Familiar with the internet and multimedia programs.
- Statistics (M-state and CO-state).

Experience:

Teaching Courses:

- Analytical chemistry.
- Molecular biology chemistry

- Enzymes and hormones chemistry (For **Biotechnology program**)
- Vitamins and hormones chemistry
- Medical analysis
- Food contaminants and hygiene (**for food processing program**)
- Inorganic and analytical chemistry (**for food processing program**)
- Food additives (**for food processing program**)
- Molecular biology chemistry
- Tissue culture chemistry
- Natural products chemistry
- Physical and inorganic chemistry.
- Organic chemistry I and II
- Protein chemistry (For **Biotechnology program**)
- Physical chemistry
- Biophysical chemistry
- Applied organic chemistry
- Biochemistry I, II.
- Fat chemistry
- Agriculture wastes chemistry
- Enzymes and metabolism chemistry
- Chromatography and spectrochemistry chemistry

Teaching Courses(Off-campus):

1- Biochemistry

Faculty of Medicine- Hail University-Hail-Kingdom of Saudi Arabia

Faculty of Nursing- Hail University-Hail-Kingdom of Saudi Arabia

Faculty of Applied Medical Science- Hail University-Hail-Kingdom of Saudi Arabia

Faculty of Home economics, Helwan University (during 2009/2010)

2- Metabolism

Faculty of Home economics, Helwan University (during 2009/2010)

Supervisors:

- Rania Habib, ass, lecturer, faculty of Agriculture, Cairo University, PhD.
- Fatma Ahmed, Faculty of Science, Cairo University MSc.
- Hossam Ahmed, Assist. Lecturer, Faculty of Science, Cairo University, PhD
- Eman Atef, Demonstrator, Faculty of Science, Cairo University MSc.
- Eman Atef, Ass. Lecturer, Faculty of Science, Cairo University PhD.
- Walaa Magdy, faculty of Science, Cairo University, MSc
- Omima Darwish, Demonstrator, Faculty of Agriculture, Cairo University. MSc.
- Walaa Salah, Demonstrator, Faculty of Agriculture, Cairo University, MSc
- Ebtssam Atta; Botany Department, Faculty of Agriculture, Tanta University, MSc
- Doha Hussein; Essential and medicinal plant Department, NRC, Giza, Egypt, PhD
- Walaa Ateia, Assist lecturer, faculty of Agriculture, Cairo university
- Marwa Magdy, Demonstrator, CURP, faculty of Agriculture, Cairo university
- Abderahman Ahmed, master's degree, faculty of Agriculture, Cairo university
- Alaa Mohamed, Master student, faculty of Agriculture, Cairo university
- Khlouad Ashraf, master student, national research center

Editor for the following Teaching Book

- Practical Chemistry of Enzymes and Metabolism (2009, Faculty of Agriculture, Cairo University
- Metabolism Chemistry, 2010, Faculty of Home economics, Helwan University
- Biochemistry Chemistry, 2010, Faculty of Home economics, Helwan University
- Organic chemistry, Faculty of Agriculture, Cairo University

Community services

-Member in committee responsible about identifies the reason for fish floating and death in main canal, Giza Governorate, Feb., 2010.

- Trainer for administrators and assistant lecturer on international publication procedures.

- Trainer for students from Faculty of Engineering-Cairo University on Biofuel extraction.

Supervisor for more than 25 graduation projects from Biotechnology program, Cairo University.

- Member in Cairo University Central lab (2008-2011).