



NAME: ABDULLAH ANTAR SABER MOHAMMED ATIA

Education

- Ph.D. 2016 Ain Shams University, Cairo, Egypt, Faculty of Science, Department of Botany, 2016. Title of the Ph.D. Thesis “**ALGAE OF EL-FARAFRA OASIS**”.
- M.Sc. 2010 Ain Shams University, Cairo, Egypt, Faculty of Science, Department of Botany, 2010. Title of the M.Sc. Thesis “**ALGAL BIODIVERSITY OF ROSETTA BRANCH OF THE RIVER NILE**”.
- B.Sc. 2004 Ain Shams University, Cairo, Egypt, Faculty of Science, Department of Botany, 2004, “**EXCELLENT WITH HONOUR DEGREE**”.

Appointments

- 09/2024 – 12/2024 **Visiting Professor at the Department of Chemistry and Biology “Adolfo Zambelli”, University of Salerno, Italy.**
- 12/2021 – Present **Associate Professor of Phycology at the Department of Botany, Faculty of Science, Ain Shams University, Cairo, Egypt**
- 06/2016 – 01/2022 **Lecturer of Phycology at the Department of Botany, Faculty of Science, Ain Shams University, Cairo, Egypt**
- 01/2019 – 02/2020 **Post-Doc at MUSE – Museo delle Scienze, Limnology and Phycology Section, and University of Trento, Italy**
- 11/2016 – 12/2016 **Visiting Researcher as a Post-Doc at the Institute of Biology & Soil Science, Far Eastern Branch of Russian Academy of Sciences, Vladivostok, Russia**
- 10/2010 – 06/2016 **Assistant Lecturer at the Department of Botany, Faculty of Science, Ain Shams University, Cairo, Egypt**
- 06/2005 – 10/2010 **Demonstrator at the Department of Botany, Faculty of Science, Ain Shams University, Cairo, Egypt**

Scientific Visits

During the period of September 1-7th 2019, I visited the Institute of Hydrobiology, Biology Center of the Czech Academy of Sciences, České Budějovice, Czech Republic to learn DNA extraction, PCR, cloning of PCR products, preparation for Sanger sequencing, and initial analysis of sequencing data under supervision of Dr. Jan Mareš.

Interests

Morphotaxonomy and ecology of freshwater, brackish and soil cyanobacteria and microalgae (including diatoms) taxonomy, cultivation and isolation of algae, springs biomes, molecular phylogeny, bioorganic screening, algal/seaweed-derived pharmaceuticals and nutraceuticals, biomonitoring, eutrophication, water quality assessment and algal biotechnology.

Publications

- Al-Katib M.A., **Saber A.A.**, Aly O.M., Attia E.Z., Abdel Rahman I.A.M., Al-Harbi M., Albalwe F.M., Elkelish A., Rushdi M.I., Abdelmohsen U.R., Saber H. & Pereira L. 2024. Cosmopolitan but still untapped: antimicrobial, antibiofilm and in silico molecular docking study on *Caulerpa racemosa*, *Dictyopteris polypodioides* and *Padina pavonica*. *Algal Research* 85: 103837. <https://doi.org/10.1016/j.algal.2024.103837>
- El-Sheekh M.M., Shaaban M.T., Ali A.G., **Saber A.A.** & Morsi H.H. 2025. Evaluating the growth performance of *Synechocystis pevalekii* and *Tetradasmus obliquus* under different culture conditions. *Egyptian Journal of Phycology* 26: 12–20.
- Chen L., Li Y., Alsaif S.S.A., **Saber A.A.** & Lan S. 2024. Storage at room temperature is a cost-effective and practical preservation method for dry biocrust microbial communities. *Geoderma* 452: 117102. <https://doi.org/10.1016/j.geoderma.2024.117102>
- Cid-Rodríguez M., Cantonati M., Angeli N., Bilous O., Al-Harbi M., Lange-Bertalot H., Levkov Z., Piana L., Spitale D. & **Saber A.A.** 2024. The diatom genus *Navicula* in spring ecosystems with the description of *Navicula aquaesuavis* sp. nov. *Water* 16(19): 2751. <https://doi.org/10.3390/w16192751>
- Kadeem Z.J., El-Sheekh M.M., Hassan F.M., Al-Obaidy A.M.J., Almohaidi A.M.S., Nikulin A.Y. & **Saber A.A.** 2024. Molecular data unravels three freshwater peridinioids in the Baghdad Island Tourist Lake, with reporting *Palatinus apiculatus* (Peridiniopsidaceae, Peridinales) as a new record for the Iraqi algal flora. *Egyptian Journal of Botany* 64(3): 217–226. DOI: 10.21608/EJBO.2024.273970.2742
- Hamed S.M., El-Gaml N.M., Mohamed M.Y.A., Shaban K.A.H., Korany S.M., Aloufi A.S. & **Saber A.A.** 2024. Insights into seeds priming effects using magnetic field and algal treatments on growth and productivity of faba bean under salinity stress conditions. *Journal of Applied Botany and Food Quality* 97: 115–126. DOI:10.5073/JABFQ.2024.097.014
- Saber H., Rushdi M.I., **Saber A.A.** & Pereira L. 2024. Evaluation of the genus *Hypnea* phytochemical and pharmacological potential. *Algal Research* 81: 103586. <https://doi.org/10.1016/j.algal.2024.103586>.
- **Saber A.A.**, Al-Mashhadany M.F.M., Hamid A., Gabrieli J., Tockner K., Alsaif S.S.A., Al-Marakeby A.A.M., Segadelli S., Cantonati M. & Bhat S.U. 2024. Carcinogenic and non-carcinogenic health risk evaluation of heavy metals in water sources of the Nubian Sandstone Aquifer in the El-Farafra Oasis (Egypt). *Water* 16(12): 1649. <https://doi.org/10.3390/w16121649>
- Cheng Y., Quan L., Vadiveloo A., Yang L., **Saber A.A.**, Lan S., Alsaif S.S.A., Wang Z. & Wu L. 2024. Optimizing the algae-bacteria biofilm reactor (ABBR) for imidacloprid wastewater treatment: An evaluation of hydraulic retention times (HRTs) for enhanced efficiency and energy savings. *Journal of Environmental Management* 354: 120420. <https://doi.org/10.1016/j.jenvman.2024.120420>
- Cantonati M., Angeli N., Bilous O., Ciugulea I., Lange-Bertalot H., Papatheodoulou A. & **Saber A.A.** 2024. Taxonomic and ecological characterization of three symmetric biraphid diatom species from streams in Cyprus. *Fottea* 24(1): 85–98. DOI: 10.5507/fot.2023.012
- Alhaithloul H.A.S., Mohamed Z.A., **Saber A.A.**, Alsudays I.M., Abdein M.A., Alqahtani M.M., AbuSetta N.G., Elkelish A., Pérez L.M., Albalwe F.M. & Bakr A.A. 2024. Performance evaluation of *Moringa oleifera* seeds aqueous extract for removing *Microcystis aeruginosa* and microcystins from municipal treated-water. *Frontiers in Bioengineering and Biotechnology* 11: 1329431. doi: 10.3389/fbioe.2023.1329431
- Cantonati M., Casoria C., Gerecke R., Bilous O.P., Maisto G., Segadelli S., Spitale D., Steinbauer A., Vogel S. & **Saber A.A.** 2023. Diatom indicators of fluctuating/intermittent discharge from springs in two Bavarian nature conservation areas. *Diversity* 15(8): 915. <https://doi.org/10.3390/d15080915>
- Morsi H.H., El-Sabbagh M.E., Mehesen A.A., Mohamed A.D., Al-Harbi M., Elkelish A., El-Sheekh M.M. & **Saber A.A.** 2023. Antibacterial activity of the bioactive compounds extracted from the Egyptian untapped green alga *Rhizoclonium hieroglyphicum*. *Water* 15(11): 2030. <https://doi.org/10.3390/w15112030>

- Wu L., Quan L., Deng Z., Vadiveloo A., Cheng Y., Yang L., Zhang Z., **Saber A.A.** & Lan S. 2023. Performance of a biocrust cyanobacteria-indigenous bacteria (BCIB) co-culture system for nutrient capture and transfer in municipal wastewater. *Science of the Total Environment* 888: 164236. <https://doi.org/10.1016/j.scitotenv.2023.164236>
- Salehipour-Bavarsad F., Riahi H., Shariatmadari Z., Heidari F., Cantonati M., Nikulin A.Y. & **Saber A.A.** 2023. *Valeriella persica* sp. nov. (Chlorococcaceae, Chlorophyceae): A potential biodiesel feedstock from the hyperarid desert soil in Yazd (Iran) revealing new diagnostic criteria for green coccoids. *Algal Research* 72: 103141. <https://doi.org/10.1016/j.algal.2023.103141>
- Morsi H.H., El-Sheekh M.M., Eladel H., Al-Tuwaijri M.M., El-Sabbagh S.M., Maher A. & **Saber A.A.** 2023. Screening of the pollution-tolerant *Chlorococcum* sp. (Chlorophyceae) grown in municipal wastewater for simultaneous nutrient removal and biodiesel production. *Water* 15(9): 1723. <https://doi.org/10.3390/w15091723>
- Samir R., Hassan E.A., **Saber A.A.**, Haneen D.S.A. & Saleh E.M. 2023. Seaweed *Sargassum aquifolium* extract ameliorates cardiotoxicity induced by doxorubicin in rats. *Environmental Science and Pollution Research* 30: 58226–58242. <https://doi.org/10.1007/s11356-023-26259-z>
- El-Sheekh M., Fathy A.A., Saber H. & **Saber A.A.** 2023. Medicinal and pharmaceutical applications of seaweeds. *Egyptian Journal of Botany* 63(1): 1–9. DOI: 10.21608/EJBO.2022.145631.2022
- **Saber A.A.**, Bhat S.U., Hamid A., Gabrieli J., Garamoon H., Gargini A. & Cantonati M. 2022. Chemical quality and hydrogeological settings of the El-Farafra Oasis (Western Desert of Egypt) groundwater resources in relation to human uses. *Applied Sciences* 12(11): 5606. <https://doi.org/10.3390/app12115606>
- Senousy H.H., El-Sheekh M.M., **Saber A.A.**, Khairy H.M., Said H.A., Alhoqail W.A. & Abu-Elsaoud A.M. 2022. Biochemical analyses of ten cyanobacterial and microalgal strains isolated from Egyptian habitats and screening for their potential against some selected phytopathogenic fungal strains. *Agronomy* 12(6): 1340. <https://doi.org/10.3390/agronomy12061340>
- Wu L, Farías M.E., Torres R.M., Xia L., Song S., **Saber A.A.** & Lan S. 2022. Salinity affects microbial composition and function in artificially induced biocrusts: implications for cyanobacterial inoculation in saline soils. *Soil Biology and Biochemistry* 170: 108691. <https://doi.org/10.1016/j.soilbio.2022.108691>
- Ibrahim R.Y.M., Hammad H.B.I., Gaafar A.A. & **Saber A.A.** 2022. The possible role of the seaweed *Sargassum vulgare* as a promising functional food ingredient minimizing aspartame-associated toxicity in rats. *International Journal of Environmental Health Research* 32(4): 752–771. <https://doi.org/10.1080/09603123.2020.1797642>
- **Saber A.A.**, Borrini A., Saber H., El-Sheekh M., Gontcharov A.A. & Cantonati M. 2022. A marine invasive benthic diatom species [*Licmophora normaniana* (Greville) Wahrer, 1985] in an inland oasis mineral spring in Egypt. *BioInvasions Records* 11(1): 13–22. <https://doi.org/10.3391/bir.2022.11.1.02>
- Cantonati M., Bilous O., Spitale D., Angeli N., Segadelli S., Bernabè D., Lichtenwöhrer K., Gerecke R. & **Saber A.A.** 2022. Diatoms from the spring ecosystems selected for the long-term monitoring of climate-change effects in the Berchtesgaden National Park (Germany). *Water* 14(3): 381. <https://doi.org/10.3390/w14030381>
- Rushdi M.I., Abdel-Rahman I.A.M., Attia E.Z., Saber H., **Saber A.A.**, Bringmann G. & Abdelmohsen U.R. 2022. The biodiversity of the genus *Dictyota*: Phytochemical and pharmacological natural products prospectives. *Molecules* 27(3): 672. <https://doi.org/10.3390/molecules27030672>
- Semaida A.I., El-Khashab M.A., **Saber A.A.**, Hassan A.I. & Elfouly S.A. 2022. Effects of *Sargassum virgatum* extracts on the testicular measurements, genomic DNA & antioxidant enzymes in irradiated rats. *International Journal of Radiation Biology* 98(2): 191–204. <https://doi.org/10.1080/09553002.2022.1998702>
- Hassoub M.A., Abd El-Fatah S.I., Marrez D.A. & **Saber A.A.** 2021. Antimicrobial activity of the heterocytous cyanobacterium *Westiellopsis prolifica* and assessment of its microcystin–LR biosynthesis. *Egyptian Journal of Botany* 61(3): 879–889. doi: 10.21608/EJBO.2021.64662.1636

- **Saber A.A.**, Angeli A., Lange-Bertalot H., Kociolek J.P., Spitale D., Charles D.F. & Cantonati M. 2021. Rise of subgen. *Rhoicosphenula* Lange-Bertalot to the genus level, and description of a new *Gomphosphenia* s.s. species from Puerto Rico. *Cryptogamie, Algologie* 42(13): 217–229. <https://doi.org/10.5252/cryptogamie-algologie2021v42a13>
- **Saber A.A.**, Gontcharov A.A., Nikulin A.Y., Nikulin V.Y., Rayan W.A. & Cantonati M. 2021. Integrative taxonomic, ecological and genotyping study of charophyte populations from the Egyptian Western-Desert Oases and Sinai Peninsula. *Plants* 10(6): 1157. <https://doi.org/10.3390/plants10061157>
- **Saber A.A.**, El-Sheekh M., Nikulin A.Y., Cantonati M. & Saber H. 2021. Taxonomic and ecological observations on some algal and cyanobacterial morphospecies new for or rarely recorded in either Egypt or Africa. *Egyptian Journal of Botany* 61(1): 283–301. doi: 10.21608/ejbo.2020.50683.1587
- Ibrahim R.Y.M., **Saber A.A.** & Hammad H.B.I. 2021. The possible role of the seaweed *Ulva fasciata* on ameliorating hyperthyroidism-associated heart inflammations in a rat model. *Environmental Science and Pollution Research* 28(6): 6830–6842. <https://doi.org/10.1007/s11356-020-11036-z>
- Cantonati M., Poikane S., Pringle C.M., Stevens L.E., Turak E., Heino J., Richardson J.S., Bolpagni R., Borrini A., Cid N., Čtvrtlíková M., Galassi D.M.P., Hájek M., Hawes I., Levkov Z., Naselli-Flores L., **Saber A.A.**, Cicco M.D., Fiasca B., Hamilton P.B., Kubečka J., Segadelli S. & Znachor P. 2020. Characteristics, main Impacts, and stewardship of natural and artificial freshwater environments: Consequences for biodiversity conservation. *Water* 12(1): 260. doi: 10.3390/w12010260
- **Saber A.A.**, El-Belely E.F., El-Refaey A.A., El-Gamal A.D., Blanco S. & Cantonati M. 2020. *Seminavis aegyptiaca* sp. nov., a new amphoroid diatom species from estuary epilithon of the River-Nile Damietta Branch, Egypt. *Fottea* 20(1): 49–57. doi: 10.5507/fot.2019.015
- Mohamed S.S. & **Saber A.A.** 2019. Antifungal potential of the bioactive constituents in extracts of the mostly untapped brown seaweed *Hormophysa cuneiformis* from the Egyptian coastal waters. *Egyptian Journal of Botany* 59(3): 695–708. doi: 10.21608/ejbo.2019.5516.1225
- **Saber A.A.**, Hamed S.M., Abdel-Rahim E.F.M. & Cantonati M. 2018. Insecticidal prospects of algal and cyanobacterial extracts against the cotton leafworm *Spodoptera littoralis*. *Vie et Milieu – Life and Environment* 68(4): 199–212.
- **Saber A.A.**, Mareš J., Guella G., Anesi A., Štenclová L. & Cantonati M. 2018. Polyphasic approach to a characteristic *Ulva* population from a limno-rheocrenic, mineral (chloride, sodium, sulphate) spring in the Siwa Oasis (Western Desert of Egypt). *Fottea* 18(2): 227–242. doi: 10.5507/fot.2018.008
- **Saber A.A.**, Fučíková K., McManus H.A., Guella G. & Cantonati M. 2018. Novel green algal isolates from the Egyptian hyper-arid desert oases: a polyphasic approach with a description of *Pharao desertorum* gen. et sp. nov. (Chlorophyceae, Chlorophyta). *Journal of Phycology* 54(3): 342–357. <https://doi.org/10.1111/jpy.12645>
- Janse van Vuuren S., **Saber A.A.**, Swanepoel A. & Cantonati M. 2018. Can the presence of *Aulacoseira ambigua* f. *japonica* (F. Meister) Tuji & D.M. Williams in the Nile (Egypt) and Vaal River (South Africa) be ascribed to similar water quality conditions in the two rivers?. *African Journal of Aquatic Science* 43(2): 111–122. <https://doi.org/10.2989/16085914.2018.1455575>
- **Saber A.A.**, Kouwets F.A.C., Haworth E.Y. & Cantonati M. 2018. A new *Euastrum* species (Conjugatophyceae, Streptophyta) from the Western Desert of Egypt. *Cryptogamie, Algologie* 39(2): 215–226. <https://doi.org/10.7872/crya/v39.iss2.2018.215>
- **Saber A.A.**, Ballot A., Schneider S. & Cantonati M. 2018. Morphological and molecular features of a *Chara vulgaris* population from desert springs on the Sinai Peninsula (Springs of Moses, Egypt). *Botany Letters* 165(1): 77–89. <https://doi.org/10.1080/23818107.2017.1352535>
- **Saber A.A.**, Cantonati M., Mareš J., Anesi A. & Guella G. 2017. Polyphasic characterization of *Westiellopsis prolifica* (Cyanobacteria) from the El-Farafra Oasis (Western Desert, Egypt). *Phycologia* 56(6): 697–709. <https://doi.org/10.2216/16-107>
- Wołowski K., **Saber A.A.** & Cantonati M. 2017. Euglenoids from the El Farafra Oasis (Western Desert of

- Egypt). *Polish Botanical Journal* 62(2): 241–251. doi: 10.1515/pbj-2017-0017
- Shaaban A.M., Mansour H.A. & **Saber A.A.** 2017. Soil algae of El-Farafra Oasis (the Western Desert, Egypt), and N₂-fixation efficiency of five heterocytous cyanophytes. *Egyptian Journal of Botany* 57(3): 517–524. doi: 10.21608/ejbo.2017.858.1063
 - **Saber A.A.**, Ichihara K. & Cantonati M. 2017. Molecular phylogeny and detailed morphological analysis of two freshwater *Rhizoclonium* strains from contrasting spring types in Egypt and Italy. *Plant Biosystems* 151(5): 800–812. <https://doi.org/10.1080/11263504.2016.1211195>
 - Al Adham E.A., Hassan A.I., Hamed S.M. & **Saber A.A.** 2017. Evaluation of iron-chelating activity of *Caulerpa racemosa* in iron-dextran induced iron overload in an experimental model of thalassemia. *International Journal of Clinical and Experimental Medicine* 10(3): 5561–5577. ISSN:1940-5901/IJCEM0042444
 - **Saber A.A.**, Cantonati M., Vis M., Anesi A. & Guella G. 2016. Multifaceted characterization of a *Lemanea fluviatilis* population (Batrachospermales, Rhodophyta) from a glacial stream in the south-eastern Alps. *Fottea* 16(2): 234–243. doi: 10.5507/fot.2016.014
 - Alam S.S., Abd El-Kader H.A.M., Abd El-Rahim A.H., Hamed S.M. & **Saber A.A.** 2016. The protective role of *Ulva lactuca* against genotoxic and biochemical effects induced by γ -irradiation in rats. *International Journal of Pharmaceutical Sciences Review and Research* 37(2): 40–48.
 - Shaaban A.S., Mansour H.A. & **Saber A.A.** 2015. Unveiling algal biodiversity of El-Farafra Oasis (Western Desert, Egypt) and potential relevance of its use in water bio-assessment: special interest on springs and drilled wells. *Egyptian Journal of Phycology* 16: 47–75. doi: 10.21608/egyjs.2015.115249
 - Mansour H.A., Shaaban A.M. & **Saber A.A.** 2015. Effect of some environmental factors on the distributions and chlorophyll contents of fresh water phytoplankton of the River Nile before El-Qanater El-Khairia Barrage, Egypt. *Egyptian Journal of Botany* 55(1): 45–60. doi: 10.21608/ejbo.2015.224
 - Shaaban A.S., Mansour H.A. & **Saber A.A.** 2012. Phytoplankton in relation to some physico-chemical characteristics of water in Rosetta Branch of River Nile, Egypt. *Egyptian Journal of Botany* 52(2): 483–497.
 - Shaaban A.S., Mansour H.A. & **Saber A.A.** 2011. Relationships between total chlorophyll and phytoplankton individuals of Rosetta branch of River Nile, Egypt. *International Research Journal of Biochemistry and Bioinformatics* 1(10): 257–265.

Chapters

- Zarezadeh S., Salehipour-Bavarsad F., El-Tablawy N.H., **Saber A.A.** & El-Sheekh M.M. 2024. Microalgal cultivation systems for wastewater treatment and carbon sequestration. Elsevier. *In press*.
- Salehipour-Bavarsad F., **Saber A.A.**, Ismail M.M., Gheda S.F. & El-Sheekh M.M. 2024. Cyanobacteria and crop plants: Genetic modification, interaction mechanisms, and symbiotic colonization. Springer. *In press*.
- Gheda S.F., Ismail M.M., **Saber A.A.**, Salehipour-Bavarsad F. & El-Sheekh M.M. 2024. Cyanobacteria in sustainable agriculture: Biofertilizers, metabolites, and nano-fertilizers. Springer. *In press*.
- **Saber A.A.**, Fensham R., Segadelli S. & Cantonati M. 2023. North Africa Springs. *In: Springs of the World: Distribution, Ecology, and Conservation Status*. pp. 58–60, Stevens L.E. (ed.). Springs Stewardship Institute Monograph 1, Flagstaff, Arizona, USA.
- Stevens L.E., Aly A.A., Arpin S.M., Apostolova I., Ashley G.M., Barba P.Q., Barquín J., Beauger A., Benaabidate L., Bhat S.U., Bouchaou L., Cantonati M., Carroll T.M., Death R., Dwire K.A., Felipe M.F., Fensham R.J., Fryar A.E., Pascual i Garsaball R., Gjoni V., Glazier D.S., Goldscheider N., Gurrieri J.T., Guðmundsdóttir R., Guzman A.R., Hájek M., Hassel K., Heartsill-Scalley T., Solé i Herce J., Hinterlang D., Holway J.H., Ilmonen J., Jenness J., Kapfer J., Karaouzas I., Knight R.L., Kreiling A.-K., Lameli C.H., Ledbetter J.D., Levine N., Lyons M.D., Mace R.E., Mentzafou A., Marle P., Moosdorf N., Norton M.K., Pentecost A., Pérez G.G., Perla B., **Saber A.A.**, Sada D., Segadelli S., Skaalsveen K., Springer A.E.,

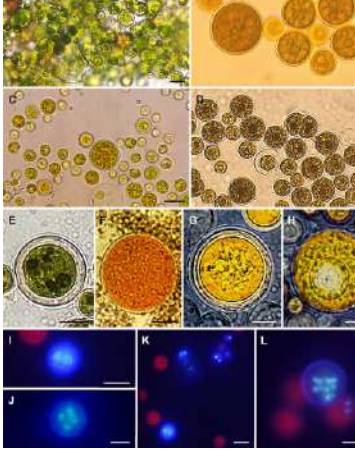
- Swanson S.K., Schwartz B.F., Sprouse P., Tekere M., Tobin B.W., Tshibalo E.A. & Voldoire O. 2022. The Ecological Integrity of Spring Ecosystems: A Global Review. *In: Imperiled: the Encyclopedia of Conservation*. pp. 436–451, DellaSala D.A. & Goldstein M.I. (Eds). Elsevier. <https://doi.org/10.1016/B978-0-12-821139-7.00111-2>.
- **Saber A.A.**, El-Refaey A.A., Saber H., Singh P., Janse van Vuuren S. & Cantonati M. 2022. Cyanoprobkaryotes and algae: Classification and habitats. *In: Handbook of Algal Biofuels: Aspects of Cultivation, Conversion and Biorefinery*. pp. 1–38, El-Sheekh M. & Abomohra A. (Eds). Elsevier, Amsterdam, Netherlands. <https://doi.org/10.1016/B978-0-12-823764-9.00024-8>.

Projects

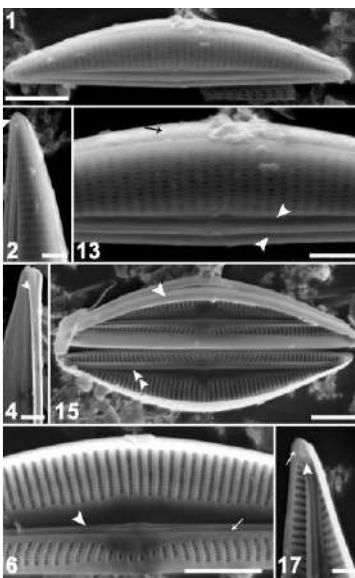
- **“Ecological plasticity and comparative structural and functional biodiversity of Mediterranean freshwater charophytes”**. 2024. I was a 3-month Visiting Professor within the framework of this project funded by the ERASMUS and Visiting Professor Program of University of Salerno - UNISA call 2023, Italy. This project was coordinated by Prof. Daniela Baldantoni, Associate Professor of Ecology at the Department of Chemistry and Biology “Adolfo Zambelli”, University of Salerno, Italy.
- **“Regulation of phosphorus conversion by nitrogen fixing cyanobacteria flocs and its importance in rice-wheat crops rotated in saline-alkali soil”**. 2024. This project has been funded by the Egyptian Academy of Scientific Research and Technology (ASRT) in the frame of bilateral research proposals with the National Natural Science Foundation of China (NSFC). I am a research member in this project.
- **“Potential biodiesel feedstock from microalgae isolated from El-Moghra Oasis (the Egyptian Western Desert)”**. 2024. This project has been funded by Ain Shams University for the academic year 2023/2024. I am the Co-Principal Investigator (Co-PI) in this project.
- **“Mitigation of agricultural effects in Mediterranean soils and wetlands: bioremediation technologies, environmental and economic benefits”**. 2024. This project has been funded by the PRIMA Foundation. I am a research member in this project.
- **“Utilization of wastewater bioremediation by microalgae for CO₂ bio-fixation: A green technology for global warming reduction, climatic change effects, and clean energy recovery”**. 2022. This project has been funded by the Science, Technology & Innovation Funding Authority (STDF). I am the Co-Principal Investigator (Co-PI) in this project.
- **“International Network on Limnology of Drylands (INLD)”**.
- **“The Phycological biodiversity in Egyptian oases and other comparable habitats, with special attention to the challenges of its use in bioassessment of water resources “PhyBio”**, funded by the Italian Ministry of Foreign Affairs and International Cooperation (MAECI) for the academic year 2018–2019. This project is in collaboration with Dr. Marco Cantonati (MUSE - Museo delle Scienze, Limnology & Phycology Section, Trento, Italy), and Prof. Graziano Guella (Department of Physics, Bioorganic Chemistry Lab, University of Trento, Trento, Italy).
- **“DIRITTI (Diatoms from RivuleTs in the River-Ticino area nature preserves)”** when I was a Post-Doc at MUSE-UniTn in 2019-2020.
- **“DiSpri-BNP (Diatoms from Springs of two Bavarian National Parks & ILTER)”** when I was a Post-Doc at MUSE-UniTn in 2019-2020.
- **“Cyprus Streams’ Diatoms WFD II – 2019 (Diatoms from the running waters of Cyprus –WFD)”** when I was a Post-Doc at MUSE-UniTn in 2019-2020.

Newly discovered genera & species

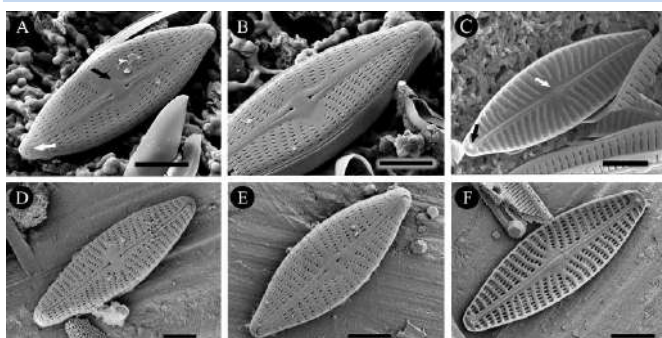
Valeriella persica sp. nov.
Salehipour-Bavarsad, Riahi,
Shariatmadari, Heidari,
Cantonati, Nikulin & A.A.
Saber 2023



Seminavis aegyptiaca A.A.
Saber, El-Belely, El-Refaey,
El-Gamal, Blanco &
Cantonati 2020

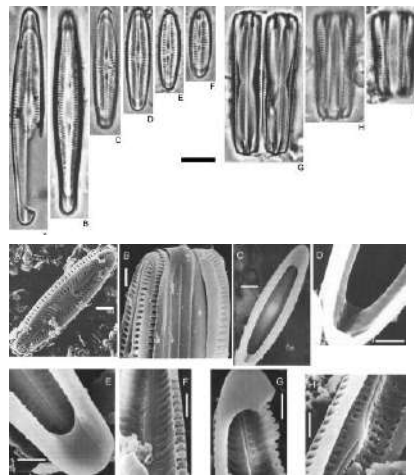


Navicula aquaesuavis Lange-Bert., Levkov, Cid-
Rodríguez, A.A. Saber and Cantonati sp. nov.

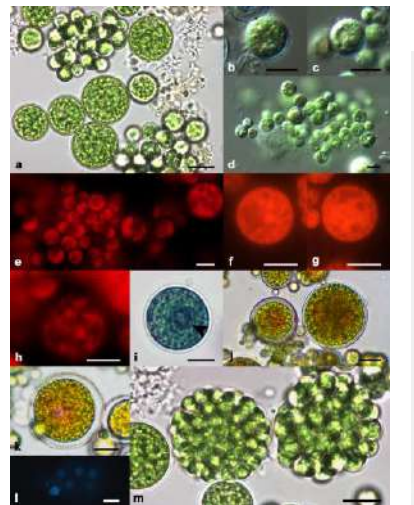


Rhoicosphenula gen. nov. stat.
nov. Lange-Bertalot, Kociolek,
A.A. Saber & Cantonati 2021

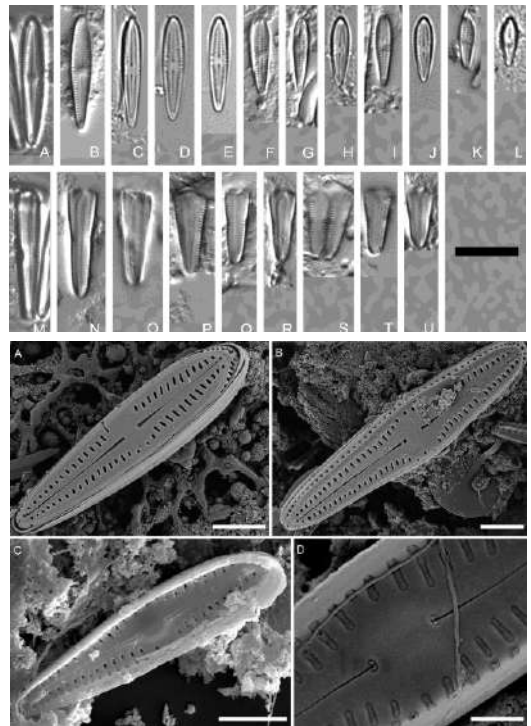
Rhoicosphenula paradoxa comb.
nov. (Lange-Bertalot) Lange-
Bertalot, Kociolek, A.A. Saber &
Cantonati 2021



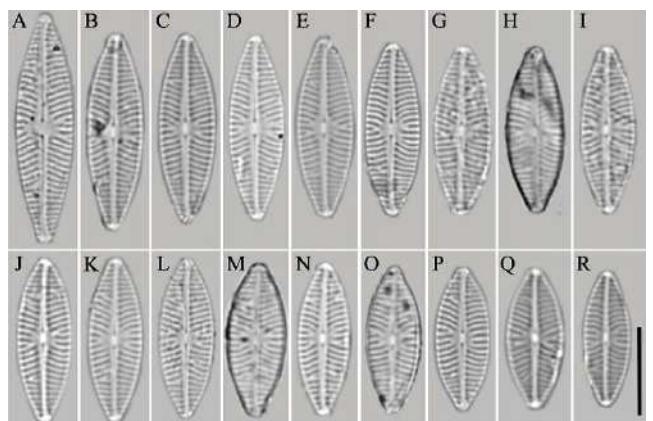
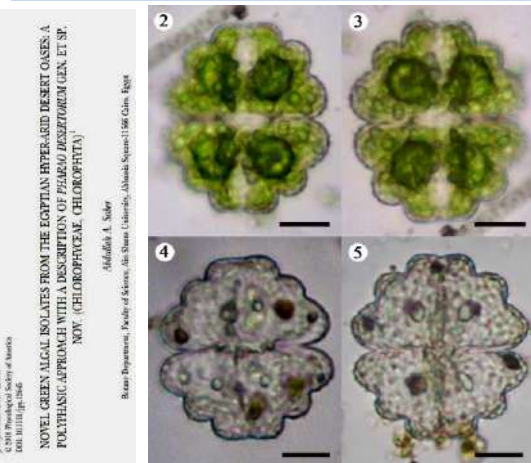
Pharao desertorum gen. et sp.
nov. A.A. Saber, Fučíková, H.
McManus, Guella & Cantonati
2018



Gomposphenia patrickiana gen. nov.
stat. nov. Cantonati, Lange-Bertalot,
Kociolek & A.A. Saber 2021



Euastrum elfarafraense Saber, Kouwets,
Haworth & Cantonati 2018



- Teaching Courses

- Botany Course (BOTA 614 – Algae and Fuel Production) for the MSc students for the academic year 2023/2024. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course (BOTA 432 – Applications of Algal Biotechnology) for the BSc students for the academic years 2020/2021, 2021/2022, and 2022/2023. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course (BOTA 405 – Biotechnology of Algae) for the BSc students for the academic years 2020/2021 and 2021/2022. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course BIOL 201 (Phycology) – Biophysics – for the academic years 2018/2019, 2022/2023 and 2023/2024. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course BOT & MICRO 201 – General Botany and Microbiology – for the academic years 2017/2018 and 2018/2019. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course BOT 410 – Project Proposal for the BSc students – for the academic year 2016/2017. The Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.

- Teaching Courses as a Demonstrator and an Assistant Lecturer (for the practical part)

- Botany Course No. 101 (General Botany and Microbiology, 1st Year Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 102 (General Botany, 1st Year Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 201 (Phycology, 2nd Year Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 202 (Plant Physiology and Taxonomy, 2nd Year Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 203 (Phycology, 2nd Year Biophysics Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 306 (Classification and Ecology of Macroalgae, 3rd Year Special Botany Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 313 (Classification and Ecology of Macroalgae, 3rd Year Botany/Chemistry Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 341 (Photobiology, 3rd Year Biophysics Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 403 (Phycology, 4th Year Special Botany Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.
- Botany Course No. 416 (Phycology, 4th Year Botany/Chemistry Students). Botany Dep., Faculty of Science, Ain Shams Uni., Egypt.

Conferences

- **Saber A.A.**, Bellino A., Cantonati M. & Baldantoni D. 2024. Biodiversity, ecological plasticity and conservation of charophytes in two regions along a latitudinal and aridity gradient (southern Italy and Egypt). The Annual Meeting of the Phycological Group of the Italian Botanical Society (SBI). p. 34. University of Ferrara, Ferrara, Italy, November 15th–16th 2024.
- Bellino A., **Saber A.A.** & Baldantoni D. 2024. Lotic ecosystems as important but tricky refugia for charophytes in warm climates – implications for biodiversity and conservation. The XXVIII Italian Association of Oceanology and Limnology (AIOL) Congress, p. 73. Lecco, Italy, June 24th–28th 2024.
- Bellino A., Baldantoni D., Cantonati M., Hamed A.F., El-Tablawy N.H. & **Saber A.A.** 2024. Ecological plasticity of charophytes across a latitudinal gradient (southern Italy-Egypt) and its implications for conservation. The 7th European Congress of Conservation Biology (ECCB 2024), ID: 944. Bologna, Italy,

June 17th–21st 2024.

- Cid-Rodríguez M., **Saber A.A.**, Angeli N., Bilous O., Lange-Bertalot H., Levkov Z., Piana L., Spitale D. & Marco Cantonati. The genus *Navicula* in spring ecosystems, with discussion of a putative new species. The 15th European Diatom Meeting, p. 123. Ohrid, North Macedonia, May 7–9th 2024.
- Cid-Rodriguez M., Bilous O., Dörflinger G., Lange-Bertalot H., Papatheodoulou A., **Saber A.A.**, Spitale D. & Cantonati M. 2023. New taxonomic and ecological data on new-to-science, rare and insufficiently known *Nitzschia* species (Bacillariophyta) from the Island of Cyprus. The XVII OPTIMA meeting, p. 44. Erice (Sicily), Italy, September 19th–24th 2023.
- Cantonati M., Angeli N., Bilous O., Ciugulea I., Lange-Bertalot H., Papatheodoulou A. & **Saber A.A.** 2023. Taxonomic and ecological characterization of three symmetric biraphid diatom species from streams in Cyprus. The 14th European Diatom Meeting, p. 23. Meise Botanic Garden, Belgium, May 9th–11st 2023.
- **Saber A.A.**, Hamed A.F., Hauerová R., Štenclová L., Mareš J., Cantonati M. & Nosair H.R. 2022. *Desertinostoc kobbiae* gen. et sp. nov., a new cryptic *Nostoc*-like genus (Nostocaceae, Cyanobacteria) isolated from desert soil crusts (Siwa Oasis, Egypt). The 22nd Symposium of the International Association of Cyanophyte/Cyanobacteria Research (IAC), p. 28. České Budějovice, Czech Republic, August 14th–18th 2022.
- Bilous O., Angeli N., Rodriguez M.C., Dörflinger G., Lange-Bertalot H., Papatheodoulou A., **Saber A.A.**, Spitale D. & Cantonati M. 2022. Taxonomic and ecological characterization of new and poorly-known *Nitzschia* (Bacillariophyta) species from the Island of Cyprus. The 36th Congress of the International Society for Limnology, p. 17. Berlin, Germany, August 7th–10th 2022.
- **Saber A.A.**, Blanco S., Borrini A., Ciugulea I., Lange-Bertalot H. & Cantonati M. 2022. Revisiting the taxonomic assignment of *Gomphosphenia* (subgen. *Costericardia*) *oahuensis* (Hust.) Lange-Bertalot. The Joint Aquatic Sciences Meeting (JASM), Michigan, U.S.A. May 14th–20th 2022.
- Cantonati M., Bilous O. & **Saber A.A.** 2021. Morphological and ecological characterization of three new symmetric biraphid (naviculoid) diatom species from streams of the Island of Cyprus. 2021. The 75th Annual Meeting of the Phycological Society of America, p. 108–109, July 13th–22th 2021. Virtual meeting via Whova (https://whova.com/portal/webapp/evhf_202101).
- **Saber A.A.**, Angeli N. & Cantonati M. 2019. Unveiling the hidden and understudied biodiversity of benthic algae in Egyptian desert springs and other inland habitats using a polyphasic approach (PhyBio Project). 2019. The 11th Symposium for European Freshwater Sciences, p. 307. Zagreb, Croatia, June 30th–July 5th 2019.
- **Saber A.A.**, Gontcharov A.A. & Cantonati M. 2017. Confirmation of the occurrence in north-eastern Africa and novel morphotaxonomic feature of the rare charophyte *Chara globata*. The 1st International Scientific Conference of Faculty of Science, Ain Shams University – New Frontiers in Science ICNFS'7, p. 47. Hurghada, Egypt, October 24th–27th 2017.
- **Saber A.A.**, Gontcharov A.A. & Cantonati M. 2017. Molecular phylogeny and morphotaxonomic analysis of some *Chara* populations (Charales) from ecologically different Egyptian habitats. The 13th international annual conference of the Egyptian Society for Experimental Biology. Cairo University Conference Center, Egypt, 25th February–2nd March 2017.
- **Saber A.A.**, Cantonati M., Mareš J., Anesi A. & Guella G. 2016. Multifaceted characterization of *Westiellopsis prolifica* (Cyanobacteria) from the El-Farafra Oasis (Western Desert, Egypt). 20th Cyanophyte / Cyanobacteria Research Symposium, Institute of Botany, University of Innsbruck, Austria, 28th August–2nd September 2016. Program and abstracts (E. Rott, Ed.): 68 pp. ISBN 978-3-9500090-6-4.
- Cantonati M., **Saber A.A.**, Blanco S., El-Refaey A.E.A., Shehata F.E. & El-Gamal D.A. 2016. Observations on some rarely-recorded *Navicula* species from Egyptian inland waters including the recently-described *N. flandriae*. 24th International Diatom Symposium, Université Laval, Quebec City, Canada, 21st–26th August 2016. Program and abstracts (Reinhard P. and Claudia Z., Eds.): 160 pp.
- Cantonati M., **Saber A.A.**, Blanco S., El-Gamal D.A., Shehata F.E. & El-Refaey A. E.A. 2016. *Seminavis*

- aegyptiaca* sp. nov., a new epilithic diatom species from the estuary of the Damietta Branch of the River Nile (Egypt). 24th International Diatom Symposium, Université Laval, Quebec City, Canada, 21st–26th August 2016. Program and Abstracts (Reinhard P. and Claudia Z., Eds.): 159 pp.
- **Saber A.A.** & Cantonati M. 2016. The phycological biodiversity of springs and wells in Egyptian oases, and first attempts to use it for assessment purposes. 33rd International Society of Limnology (SIL) Congress. Torino, Italy, 31st July–5th August 2016. 312 pp.
 - Konrad W., **Saber A.A.** & Cantonati M. 2016. Euglenophytes from El-Farafra Oasis (Western Desert, Egypt). 35th International Conference of the Polish Phycological Society: Algae in anthropogenically transformed ecosystems. Łódź–Stryków, Poland, 1st–4th June 2016. Book of Abstracts (Nowicka-Krawczyk P. & Żelazna-Wieczorek J., Eds.): 25 pp.
 - **Saber A.A.**, Cantonati M., Guella G. & Anesi A. 2015. Polyphasic approach and comparative lipidomics of two freshwater red algae with similar thallus architecture but from thermally contrasting habitats. The international congress 9th Use of Algae for Monitoring Rivers and comparable habitats (9th UAMRICH), and of the International Workshop on Benthic Algae Taxonomy (InBAT), Museo delle Scienze – MUSE, Trento, Italy, 15th–19th June 2015. Abstract book (Cantonati M., Kelly M.G., Rott E., Sabater S., Stevenson J.R., Whitton B.A., Schneider S., Shubert L.E., Van de Vijver B., Vis M.L. B.A. & Angeli N., Eds.): 93 pp. ISBN 978-88-531-0037-5.
 - Cantonati M., Lange-Bertalot H., Segadelli S., Taxböck L., Mogna M., Kamberovic J., **Saber A.A.**, Letáková M. & Rosati M. 2014. Recent progress in research on diatoms in springs: selected results from case studies in the Alps, Apennines, Dinaric mountains and North Africa. 8th Central European Diatom Meeting (CE-DIATOM 8), Zagreb, Croatia, 10th–13th April 2014. Abstract book (Ljubešić Z., Godrijan J. & Marić Pfannkuchen D., Eds.): 18 pp. ISBN: 978-953-99774-7-2.
 - Shaaban A.S., Cantonati M., Mansour H.A. & **Saber A.A.**. 2013. Diatoms from different freshwater habitats of El-Farafra Oasis (Egypt), with special attention to wells and hot springs. 32^{ème} Colloque de l'Association des Diatomistes de Langue Française & 7th Central European Diatom Meeting. Thonon-les-Bains, France, 16th–20th September 2013. Abstract book (Rimet F., Bouchez A., Ector L. & Montuelle B., Eds.): 207-209 pp. ISSN: 978-2-7466-6166-0.

Workshops

- Invited as a keynote speaker in the workshop organized by the Egyptian Phycological Society for presenting a lecture about **“The Hidden and Cryptic Diversity of Microalgae and Cyanoprokaryotes in Egypt”**. The workshop was held at the Department of Botany and Microbiology, Faculty of Science, South Valley University, Qena, Egypt, 6-8th February 2024.
- Invited to the workshop: **“Oases of the World: Status, Values, Futures”** organized by the Senckenberg Society for Natural Research, 31st August 31st – September 1st 2023, Frankfurt, Germany.
- The Workshop of the 13th Annual International Conference of the Egyptian Society for Experimental Biology “Global warming testament found in coastal fauna of Shirahama, Wakayama, Japan” and “Analyzing stem cell disease models using a laser scanning confocal microscope and seahorse XF analyzer”, Sharm El-Sheik, Egypt, February 26th–2nd March 2017.
- The **International Workshop on Benthic Algae Taxonomy (InBAT)**, Museo delle Scienze – MUSE, Trento, Italy, 17–19th June 2015. Abstract book (Cantonati M., Kelly M.G., Rott E., Sabater S. Stevenson J.R., Whitton B.A., Schneider S., Shubert L.E., Van de Vijver B., Vis M.L. & Angeli N., Eds.): 111 pp. ISBN 978-88-531-0037-5.
- Regional workshop on **“Urban Water Management & Water Demand Management”** within the framework of Exceed Project “Excellence Center for Exchange and Development Cooperation”, Antalya, Turkey, 16–20th May 2014. Organized and sponsored by Akdeniz University in Antalya/Turkey, Technical University Braunschweig in Germany, The German Academic Exchange Services (DAAD) and Federal Ministry for Economic Cooperation and Development (BMZ) in Germany.

- The 2nd **European Workshop on Diatom Taxonomy: Araphid Freshwater Diatoms**. In proceedings of 32^{ème} Colloque de l'Association des Diatomistes de Langue Française & 7th Central European Diatom Meeting. Rimet F., Bouchez A., Ector L. & Montuelle B. (Eds.), Thonon-les-Bains, France, 16–20th September, ISSN 978-2-7466-6166-0.
- The **Researchers' Guidelines Training Program; Part I**. Bibliotheca Alexandrina, Alexandria, Egypt, 1st–3rd October 2012. Sponsored by **DAAD organization** and **Bibliotheca Alexandrina**.

Symposiums

- In 2021, attended the virtual meeting organized by the scientific forum on taxonomy and genetics for the topic “**Seaweeds in the Arabian region: Present status and future perspectives**”.
- In 2017, participated in the 29th session of the International Coordinating Council (ICC) of **the Man and Biosphere (MAB) Programme**, UNESCO headquarters, Paris, June 12–15th 2017.
- In 2013, participant in **The 5th HOPE Meeting Program with Nobel Laureates** organized by the Japan Society for the Promotion of Science (JSPS) and was held in Tokyo, February 26th–March 2nd, 2013.
- Faculty and Leadership Development Programs "**FLDP**", Ain Shams University
- In 2021, Legal Aspects of University Business
- In 2021, Applications of Microsoft Office 365 (Level 1)
- In 2021, Advanced Skills of PowerPoint Presentation
- In 2021, Credit Hours and Academic Advising
- In 2020, Online Learning: Moodle
- In 2018, Ethics of Scientific Research
- In 2012, Effective Presentation Skills
- In 2012, Competitive Research Proposals
- In 2011, Quality Standards in Education
- In 2011, Using Technology in Teaching
- In 2009, 2013 International Publication
- In 2008 & 2012, Credit Hours
- In 2007, Active Teaching
- In 2007, Communication Skills
- In 2006, Law Aspects of Universities
- In 2006, Thinking Skills

Editorial Board Memberships and Peer-Reviewer in International IF Journals:

- Associate Editor in the *African Journal of Aquatic Science*.
- Editorial Board member in the promising journal *Probe – Botany*.
- *Marine Pollution Bulletin* 2023 (2022 IF = 5.8).
- *International Journal of Molecular Sciences* (MDPI) 2023 (2022 IF = 5.6).
- *Foods* (MDPI) 2022 (2021 IF = 5.561).
- *Marine Drugs* (MDPI) 2023 (2022 IF = 5.4).
- *Algal Research* 2023 (2022 IF = 5.1).
- *Plants* (MDPI) 2022 (2021 IF = 4.658).
- *Molecules* (MDPI) 2023 (2022 IF = 4.6).
- *Microorganisms* (MDPI) 2023 (2022 IF = 4.5) and 2024 (2023 IF = 4.1).
- *Sustainability* (MDPI) 2022 (2021 IF = 3.889) and 2023 (2022 IF = 3.9).
- *Water* (MDPI) 2023 (2022 IF = 3.4) and 2024 (2023 IF = 3.0).
- *Journal of Marine Science and Engineering* (MDPI) 2022 (2021 IF = 2.744).
- *Applied Sciences* (MDPI) 2021 (2020 IF = 2.679).
- *Diversity* (MDPI) 2023 (2022 IF = 2.4).

- *Forests* (MDPI) 2024 (2023 IF = 2.4).
- *Geosciences* (MDPI) 2024 (2023 IF = 2.4).
- *Ecological Indicators* 2020 (2019 IF = 4.229) and 2024 (2023 IF = 7.0).
- *Biomass Conversion and Biorefinery* 2022 (2021 IF = 4.050).
- *South African Journal of Botany* 2022–2024 (2021 IF = 3.1).
- *Phycologia* 2020 (2019 IF = 2.276) and 2022 (2021 IF = 3.088)
- *PeerJ* 2017 (2016 IF = 2.177).
- *Phytotaxa* 2016 (2015 IF = 1.087).
- *Turkish Journal of Fisheries and Aquatic Sciences* 2016 (2015 IF = 0.553).
- *African Journal of Aquatic Science* 2017 (2016 IF = 0.670), 2020 (2019 IF = 0.778), 2021 (2020 IF = 1.000), and 2022 (2021 IF = 1.755).
- *Arabian Journal for Science and Engineering* 2020 (2019 IF = 1.711).
- *Turkish Journal of Botany* 2019 (2018 IF = 1.087).
- *Egyptian Journal of Botany* 2021, 2022 and 2024 (2023 IF = 1.1).
- *Egyptian Journal of Phycology* 2024.
- *International Journal of Plant Biology (MDPI)* 2024.
- *The Journal of Basic and Applied Zoology* 2023.
- *Al-Kitab Journal for Pure Sciences* 2023.
- *Arthropoda (MDPI)* 2023.
- *Egyptian Journal of Chemistry* 2022.
- *International Journal of River Basin Management* 2022.
- *Advances in Zoology and Botany* 2022 and 2023.
- *Jordan Journal of Biological Sciences (JJBS)* 2018.
- *The Egyptian Journal of Experimental Biology (Botany)* 2017.
- *Beni-Suef Journal of Basic and Applied Sciences* 2017.
- *Bioresources and Bioprocessing* 2017.

Supervision on MSc and PhD Theses

- In 2024, **PhD Thesis** entitled “*Ecological and Biotechnological Studies on Cyanobacteria and Algae in Ashtoum El-Gamil Protectorate, Egypt*” at the Botany Department, Faculty of Science, Ain Shams University, Egypt. Student name: **Hend Hosny Mohamed Hessen.**
- In 2024, **MSc Thesis** entitled “*Utilization of Seaweed Biostimulants for Improving the Productivity and Quality of Strawberry (Fragaria × ananassa Duch.)*” at the Botany Department, Faculty of Science, Ain Shams University, Egypt. Student name: **Shimaa Alaa El-Din Salah Tantawy.**
- In 2023, **MSc Thesis** entitled “*The Role of Environmental Drivers in Structuring and Distribution of the Diatom Assemblages in Springs of the Siwa Oasis (Egypt)*” at the Basic Science Department, Faculty of Graduate Studies and Environmental Research, Ain Shams University, Egypt. Student name: **Ali Ahmed Mohamed Al-Marakeby.**
- In 2023, **MSc Thesis** entitled “*Taxonomic and Ecological Study on the Desert Soil Cyanobacteria and Algae of Wadi Qena, Qena Governorate*” at the Botany and Microbiology Department, Faculty of Science, South Valley University, Qena, Egypt. Student name: **Alyaa Refaat Abbas.**
- In 2020, **PhD Thesis** entitled “*Microalgae for Wastewater Treatment and Biomass Production Convenient to Biotechnological Applications*” at the Botany and Microbiology Department, Faculty of Science, Benha University, Egypt. Student name: **Hany Ghareeb Abdelrahim Ibrahim.**
- In 2019, **MSc Thesis** entitled “*Efficacy of Biosynthesized Silver and Titanium Dioxide Nanoparticles Against Some Harmful Algae*” at the Botany and Microbiology Department, Faculty of Science, South Valley University, Qena, Egypt. Student name: **Hanan Nabel Mohammed.**
- In 2017, **MSc Thesis** entitled “*Protective Potential of Brown Seaweed Against Doxorubicin–Associated*

Cardiotoxicity in Rats” at the Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. Student name: **Rania Samir Kamel. Defended!**

Organization of Scientific Conferences

- A member in the organization team of the 1st International Scientific Conference of the Faculty of Science, Ain Shams University – New Frontiers in Science ICNFS’7. Hurghada, Egypt, October 24th – 27th 2017.

Acknowledgements

- In 2019–2022, **I was appreciated by the President of Ain Shams University** due to the international publications contributed to improvement of the University World Ranking.
- In 2017, acknowledged by the Botany Department, Faculty of Science, Ain Shams University **for inviting Dr. Andrey A. Gontcharov** to present a seminar in March 4th 2017 about ‘Application of molecular tools for green algae biodiversity study’.
- In 2016, acknowledged by Susanne Schneider (Norwegian Institute for Water Research, Oslo, Norway) and other co-authors in the manuscript entitled ‘Species differentiation in the genus *Chara* (Charophyceae): considerable phenotypic plasticity occurs within homogenous genetic groups. *European Journal of Phycology* 51(3): 282–293.’ for providing *C. vulgaris* specimens for molecular sequencing.
- In 2016, acknowledged by Marco Cantonati (Museo delle Scienze - MUSE, Limnology and Phycology Research Unit, Trento, Italy) and other co-authors in the manuscript entitled ‘A global review on ambient Limestone-Precipitating Springs (LPS): Hydrogeological setting, ecology, and conservation. *Science of the Total Environment* 568: 624–637.’ for providing some information on LPS and spring-habitat protection in Egypt.
- In 2016, acknowledgment from the Botany Department, Faculty of Science, Ain Shams University (Egypt) **for winning the Paul C. Silva Award for students travel or research in 2015 funded by the International Phycological Society (IPS), USA.**
- In 2016, acknowledgment from the Botany Department, Faculty of Science, Ain Shams University (Egypt) **for winning the Local MAB Young Scientists Awards in 2015 funded by the Egyptian National Commission for UNESCO–ALECSO–ISESCO.**
- In 2016, acknowledgment from the Botany Department, Faculty of Science, Ain Shams University (Egypt) **for participating in organizing its annual conference in 2016.**
- In 2015, acknowledgment from Reham S. Abd El-Wahab, M.Sc. student, and her supervisors due to the scientific collaboration. M.Sc. Thesis entitled “Microbiological studies on some cyanobacteria isolates isolated from different salty soils on the Northern Nile Delta”. Botany Department, Faculty of Science, Menoufia University, Egypt.
- In 2013, acknowledgment **from the Japan Society for the Promotion of Science (JSPS) for successful participation in the 5th HOPE Meeting Program with Nobel Laureates**, Tokyo, 26th February–2nd March, 2013.

Awards and Prizes

- In 2016, **Saber A.A.** was funded by the Egyptian National Commission for UNESCO–ALECSO–ISESCO for this project “Combined detailed molecular, morphological, and ecophysiological study on an interesting species of the genus *Cloniophora* Tiffany (Cloniophoraceae, Ulvales) from Wadi El-Rayan Protected Area (El-Fayium Governorate, Egypt)”. MAB Young Scientists Awards.
- In 2016, Hani Saber & **Abdullah A. Saber** were funded by the Egyptian National Commission for UNESCO–ALECSO–ISESCO for this project “Species composition and distribution of soil algae in Wadi Allaqi biosphere reserve (South Eastern Desert, Egypt)”. MAB Young Scientists Awards.
- In 2016, **Wetzel Memorial Award** for students and early-career professionals funded by the International Society of Limnology (SIL), USA.

- In 2015, **Paul C. Silva Award** for students travel or research funded by the International Phycological Society (IPS), USA.
- In 2015, **HOPE fellow golden badge** designed by the Japanese Society for Promotion of Sciences (JSPS) for the contribution in the 5th HOPE meeting, Tokyo, Japan, 26th February-2nd March 2013.
- In 2015, **the UAMRIch Best Oral Presentation** during the international congress 9th Use of Algae for Monitoring Rivers and comparable habitats (9th UAMRIch), and of the International Workshop on Benthic Algae Taxonomy (InBAT), Museo delle Scienze–MUSE, Trento, Italy, 15-19th June 2015. 111 pp. ISBN 978-88-531-0037-5.