

Prof. Dr. Mohamed Saleh Abdelfattah

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CONTACT DETAILS

Work

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SUMMARY OF EXPERIENCE

1. Education:

- Ph.D. in Natural Products Chemistry- Georg August University, Göttingen, Germany. 2004
- M. Sc. in Chemistry, Faculty of Science-Helwan University, Egypt. 1998
- B. Sc. in Chemistry, Faculty of Science-Helwan University, Egypt. 1993

2. Postdoctoral Fellowships:

- The Japan Society for the Promotion of Science (JSPS), Post-doctoral Fellowship, School of Pharmaceutical Science, Chiba University, Japan. 2009-2011
- College of Pharmacy, University of Kentucky, USA. 2005-2007

3. Faculty Positions:

- Professor at Faculty of Science, Helwan University 2014 till now
- Associate Professor at Faculty of Science, Helwan University 2009-2014
- Lecturer at Faculty of Science, Helwan University 2004-2009
- Assistant Lecturer at Faculty of Science, Helwan University 1998-2004
- Demonstrator at Faculty of Science, Helwan University 1993-1998

4. Teaching Courses

- General Chemistry I
- General Chemistry II
- Basic Principles of Organic Chemistry
- Natural Products Chemistry
- Organic Spectroscopy
- Bioorganic Chemistry
- Stereochemistry

5. Grants:

1- PI for International Collaborative Project Funded by STDF and University of California, San Diego, La Jolla, USA:

"The Development of New ESKAPE Pathogen Antibiotics from Marine Bacteria (Grant No. C189-Call 19) "

2- PI for Basic and Research Grant funded by STDF:

"Bioactive Natural Products from Red Sea Actinomycetes (Grant No. 4930)". The project includes collaboration and travel to Prof. Masami Ishibashi at Chiba University, Japan.

3- PI for Research Support Grant Projects funded by STDF:

"Creation of a Marine Natural Products Library as Histone Deacetylase Inhibitors (Grant No. 6884) "

4- PI for Laboratory Accreditation Project funded by HEEP:

Accreditation of Natural Products Lab according to ISO17025 (Grant No. LP10 –080).

5- CO-PI for Mega Project funded from The strategic plan of Helwan University:

"Creation of Central Lab at Helwan University"

6. Industrial Experiences:

- 1- Consultant for EGYPT PHARMA for Pharmaceutical Manufacturing
at 5th Industrial Zone, Sadat Menoufeya, Egypt. 2019-2021
- 2- Consultant for ATCO PHARMA for Animal Health
at 35 El-Obour Buildings - Nasr City, Cairo- Egypt. 2018 till Now

7. Accreditation Experiences:

Director of Accredited Natural Products Research Unit, Faculty of Science,
Helwan University. 2014 till now

8. Awards:

Prize of Scientific Excellence in Basic Science from Helwan University 2017

9. Membership in Scientific Societies:

- Member of the National Board of Drugs at ASRT. 2018 till now
- Member of JSPS Alumni Association of Egypt. 2015 till now
- Member of the Pharmaceutical Society of Japan. 2009-2011, and 2014
- Member of the Japanese Society of Pharmacognosy. 2009-2011, and 2014
- Member of the American Chemical Society. 2005-2007

10. Research Interests

My research group focuses on natural microbial products from the Red and Mediterranean Seas microorganisms. We isolate several bioactive compounds that target different infectious diseases and signalling molecules in cancer-related biological pathways.

11. Workshops and Trainings:

- 1- International Workshop in "Drugs Development from Herbs and Marine Medicinal Materials" in Hai-Phong, Vietnam. 2018
- 2- The 2nd Recent Advances in Drug Discovery Workshop at Faculty of Pharmacy-Ain Shams University. 2018
- 3- Operation and Training Course in HPLC-PerkinElmer. 2018
- 4- Awareness and requirement of ISO17025 for laboratory accreditation 2017
- 5- Lab safety and good laboratory practices in accordance with ISO17025. 2017
- 6- Quality control chart in in accordance with ISO17025. 2017
- 7- Calculation of uncertainty in accordance with ISO17025. 2017
- 8- Internal audit in accordance with ISO17025. 2017

12. List of Publications:

1. Fathy M. Abdelrazek, Magdi E.A. Zaki, Sami A. Al-Hussain, Basant Farag, Ali M. Hebishy, **Mohamed S. Abdelfattah**, Safaa M. Hassan, Ahmed F. El-Farargy, Lyuba Iovkova, David Mross and Sobhi M. Gomha. Facile one-pot synthesis and in silico study of new heterocyclic scaffolds with 4-pyridyl moiety: Mechanistic insights and X-ray crystallographic elucidation. Heliyon, 10, 7, **2024**.

2. Ahmed Ibrahim, Ahmed Salama, Fouad Zahran, **Mohamed S. Abdelfattah**, Ali Al-Salme, Mikhael Bechelany, Barhoum A. Fabrication of cellulose nanocrystals/carboxymethyl cellulose/zeolite membranes for methylene blue dye removal: understanding factors, adsorption kinetics, and thermodynamic. *Frontiers in Chemistry*, 12, 1330810 , **2024**.
3. Eltanany, R.M., Faraag, A.H.I., Ebrahim, H.Y., Emallah MIY, **Mohamed S. Abdelfattah**. Chemical Composition of *Sphaciospongia Aff. Mastoidea* Sponge from the Red Sea and Uses of Its Polysaccharides in the Biosynthesis of Silver Nanoparticles with Antimicrobial and Anticancer Activity. *Thalassas* 40, 659–668, **2024**.
4. Othman, M.S.; Obeidat, S.T.; Aleid, G.M.; Al-Bagawi, A.H.; Fareid, M.A.; Hameed, R.A.; Mohamed, K.M.; **Mohamed S. Abdelfattah**; Fehaid, A.; Hussein, M.M.; Aboelnaga, S.M.H.; Abdel Moneim, A.E. Green Synthesized Selenium Nanoparticles Using *Syzygium aromaticum* (Clove) Extract Reduce Pentylentetrazol-Induced Epilepsy and Associated Cortical Damage in Rats. *Appl. Sci.* , 13, 1050, **2023**.
5. Mohamed, Kareem M., **Mohamed S. Abdelfattah**, El-khadragy, Manal, Al-Megrin, Wafa A., Fehaid, Alaa, Kassab, Rami B. and Abdel Moneim, Ahmed E.. "Rutin-loaded selenium nanoparticles modulated the redox status, inflammatory, and apoptotic pathways associated with pentylentetrazole-induced epilepsy in mice" *Green Processing and Synthesis*, 12, 1, **2023**.
6. Elganzoury, S.S., **Mohamed S. Abdelfattah**, Habotta, O.A. *et al.* Neuro-amelioration of *Ficus lyrata* (fiddle-leaf fig) extract conjugated with selenium nanoparticles against aluminium toxicity in rat brain: relevance to neurotransmitters, oxidative, inflammatory, and apoptotic events. *Environ Sci Pollut Res* **30**, 65822–65834-**2023**.
7. Kandil, O., Shalaby, H. A., Hendawy, S. H., **Mohamed S. Abdelfattah**, Sedky, D., Hassan, N. M., El Namaky, A. H., Ashry, H. M., Abu EL Ezz, N. M., Mahmoud, M. S., Mahmoud, A. A. In vitro and in vivo anthelmintic efficacy of condensed tannins extracted from the seeds of alfalfa (*Medicago sativa* L.) against *Haemonchus contortus* infection. *Iraqi Journal of Veterinary Sciences*, **2023**; 37(1): 229-237.
8. Min Cheol Kim, Zhifei Li, Reiko Cullum, Tadeusz F. Molinski, Mennat Allah G. Eid, Ali M. S. Hebishy, Ahmed H. I. Faraag, Ahmed E. Abdel Moneim, **Mohamed S. Abdelfattah**, and William Fenical. Chlororesistoflavins A and B, Chlorinated Benzopyrene Antibiotics Produced by the Marine-Derived Actinomycete *Streptomyces* sp. Strain EG32. *J. Nat. Prod.* 85, 270–275, **2022**.
9. Kassab, R.B., Elbaz, M., Oyouni, A.A.A., Ahmad H. Mufti, Abdulrahman Theyab, Ashraf Al-Brakati, Hala A. Mohamed, Ali M. S. Hebishy, Mohammed I. Y. Elmallah, **Mohamed S. Abdelfattah** and Ahmed E. Abdel Moneim. Anticolitic activity of prodigiosin loaded with selenium nanoparticles on acetic acid–induced colitis in rats. *Environ Sci Pollut Res*, **2022**.
10. Shafaa, M.W., Hassan, E.S.E., Faraag, A.H.I. *et al.* Fabrication and characterization of pigmented secondary metabolites bound liposomes with improved cytotoxic activity against prostate and hepatic cancer. *Int Nano Lett* **12**, 409–420, **2022**.

11. Essawy, E., **Mohamed S. Abdelfattah**, El-Matbouli, M., Saleh, M. Synergistic Effect of Biosynthesized Silver Nanoparticles and Natural Phenolic Compounds against Drug-Resistant Fish Pathogens and Their Cytotoxicity: An In Vitro Study. *Mar. Drugs* 19, 22, 2021. .
12. Alazzouni, A.S., Mahmoud, A.A., Omran, M.M., Essawy E.A., Abdalla, M.S., **Mohamed S. Abdelfattah** Inhibitory and ameliorative effect of heliomycin derived from actinomycete on induced hepatocellular carcinoma in rats. *Naunyn-Schmiedeberg's Arch Pharmacol*, 394(6), 1091-1102, 2021.
13. Hanaa L Essa, **Mohamed S Abdelfattah**, Alaa S Marzouk, Zeinab Shedeed, Hania A Guirguis, Mayyada M H El-Sayed. Biogenic copper nanoparticles from *Avicennia marina* leaves: Impact on seed germination, detoxification enzymes, chlorophyll content and uptake by wheat seedlings. *PLoS One* 16(4):e0249764, 2021.
14. Al-Mutabagani L.A., Abdelrazek F.M., Gomha S.M., Hebishy A. S., **Mohamed S. Abdelfattah**, Hassan S.M., Sayed A.R., Elaasser M.M. Synthesis and biological evaluation of thiazolyl-ethylidene hydrazinotiazole derivatives: A novel heterocyclic system. *Applied Science* (Switzerland), 11, 19, 8908, 2021.
15. Hebishy A. S., **Mohamed S. Abdelfattah**, Elmorsy A., Elwahy A.H.M. Novel bis(thiazolidin-4-ones) linked to aliphatic or aromatic spacers: synthesis, characterization, and anticancer evaluation. *Journal of Sulfur Chemistry* 42, 2, 149 – 166, 2021.
16. Essa, H.L., **Mohamed S. Abdelfattah**, Marzouk, A.S., Guirguis, H.A., El-Sayed, M.M.H. Nano-Formulations of Copper Species Coated with Sulfated Polysaccharide Extracts and Assessment of Their Phytotoxicity on Wheat (*Triticum aestivum* L.) Seedlings in Seed Germination, Foliar and Soil Applications. *Appl. Sci.*, (Switzerland) 10, 6302. 2020.
17. Elmallah, M.I.Y., Cogo, S., Constantinescu, A.A., Elifio-Esposito, S., **Mohamed S. Abdelfattah**, Micheau, O. Marine Actinomycetes-Derived Secondary Metabolites Overcome TRAIL-Resistance via the Intrinsic Pathway through Downregulation of Survivin and XIAP. *Cells*, 9, 1760, 2020. .
18. Essa, H.L., Guirguis, H.A., El-Sayed, M.M.H., Rifaat, D., **Mohamed S. Abdelfattah**. Ultrasonically-Extracted Marine Polysaccharides as Potential Green Antioxidant Alternatives. *Proceedings* 67, 23, 2020. .
19. Kim, M.C., Cullum, R., Hebishy, A.M.S., Mohamed, H.A., Faraag, A.H.I., Salah, N.M., **Mohamed S. Abdelfattah**, Fenical, W. Mersaquinone, A New Tetracene Derivative from the Marine-Derived *Streptomyces* sp. EG1 Exhibiting Activity against Methicillin-Resistant *Staphylococcus aureus* (MRSA). *Antibiotics*, 9, 252, 2020. .
20. **Mohamed S Abdelfattah**, Sherif EA Badr, Sally A Lotfy, Gouda H Attia, Ahmed M Aref, Ahmed E Abdel Moneim, Rami B Kassab. Rutin and Selenium Co-administration Reverse 3-Nitropropionic Acid-Induced Neurochemical and Molecular Impairments in a Mouse Model of Huntington's Disease. *Neurotoxicity Research*, 37 (1), 77-92, 2020.
21. Lamia T Abou El-Kassem, Usama W Hawas, **Mohamed S Abdelfattah** and Ayat A Mostafa, Rotenoid and isoflavone metabolites from an antioxidant seed extract of *Dalbergia lanceolaria* subsp. *Paniculate* (roxb.) thoth. *Natural Products Research* 34, 613-620, 2020.

22. Hebishy A. S., **Mohamed S. Abdelfattah**, Elmorsy A., Elwahy A.H.M. Synthesis of novel bis- and poly(benzimidazoles) as well as bis- and poly(benzothiazoles) as anticancer agents. *Journal of Heterocyclic Chemistry* 57(5), 2256-2270, 2020.
23. Hebishy A. S., **Mohamed S. Abdelfattah**, Elmorsy A., Elwahy A.H.M. ZnO nanoparticles catalyzed synthesis of bis- and poly(imidazoles) as potential anticancer agents. *Synthetic Communications* 50(7), 980-996, 2020.
24. Sherif EA Badr, Ola Aly Wahdan and **Mohamed S. Abdelfattah**. Characterization and cytotoxic activity of amygdalin extracted from apricot kernels growing in Egypt. *Int. J. Environ. Res.* 7(2), 37-44, 2020.
25. Eid M Khalil, Ahmed S. Elsaid, **Mohamed S. Abdelfattah**, Sherif EA Badr. Feed efficiency, some blood parameters and In- vitro chemoprevention of prickly pear (*Opuntia ficus indica* L.) seeds oil growing in Egypt. *Issues in Biological Sciences and Pharmaceutical Research* 8(1), 20-27, 2020.
26. **Mohamed S Abdelfattah**, Sherif EA Badr, Ahmed Salah Elsaid. Nutritive value and chemical composition of prickly pear seeds (*Opuntia ficus indica* L.) growing in Egypt. *International Journal of Agricultural Policy and Research* 8 (1), 1-10, 2020.
27. **Mohamed S Abdelfattah**, Mohammed IY Elmallah, Hassan Y Ebrahim, Rafa S Almeer, Rasha MA Eltanany, Ahmed E Abdel Moneim. Prodigiosins from a marine sponge-associated actinomycete attenuate HCl/ethanol-induced gastric lesion via antioxidant and anti-inflammatory mechanisms. *PloS one* 14 (6), e0216737, 2019.
28. Abdulla A. Mahmoud, Ehab A. Essawy, Mohga S. Abdalla, and **Mohamed S. Abdelfattah** Production of Heliomycin from Actinomycete and Evaluation of its Antimicrobial Activities. *Journal of Bioscience and Applied Research*, 5 (4), 429 -43, 2019.
29. Ola A. Wahdan, Sherif E. A. Badr, **Mohamed S. Abdelfattah** Phytochemical Analysis, Antibacterial and Anticancer Activities of the *Physalis Peruviana* Calyces Growing in Egypt. *Food Nutr J* 4: 197, 2019.
30. Ahmed Sami, Ali M. S. Hebishy, and **Mohamed S. Abdelfattah**. Rutin and isoflavones with cytotoxic activity from soybean, and it's in silico docking study against ERK2 kinase 10(4), *Res.J. Pharm. Biol.*, 279-289, 2019.
31. Badr, S.E.A., **Mohamed S Abdelfattah**. & Elsaid, A.S. Productive performance and meat quality of commercial Cobb chicken fed diets containing different levels of prickly pear fruits (*Opuntia ficus indica*) peel. *Bull Natl Res Cent* 43, 195, 2019.
32. Abdulla A. Mahmoud, Ehab A. Essawy, Mohga S. Abdalla, and **Mohamed S. Abdelfattah** Production of Heliomycin from Actinomycete and Evaluation of its Antimicrobial Activities. *Journal of Bioscience and Applied Research*, 5 (4), 429 -43, 2019.

33. **Mohamed S. Abdelfattah**, Mohammed IY Elmallah, Faraag A. H, Hebishy A. M. S. and Ali N. H. Heliomycin and tetracinomycin D: anthraquinone derivatives with histone deacetylase inhibitory activity from marine sponge-associated *Streptomyces* sp. SP9. **3 Biotech.** 8:282, **2018.**
34. Hawas U.W., Abou El-Kassem L. T., **Mohamed S. Abdelfattah**, Mohammed I. Y Elmallah, Eid M. A. G, Monier M. and Marimuthu N. Cytotoxic activity of alkyl benzoate and fatty acids from the Red Sea sponge *Hyrtios erectus*. **Natural Products Research** 32, 1369-1374, **2018.**
35. **Mohamed S. Abdelfattah**, Osayed S. M. Abu-Elyazeedb, E. AbdElmawlaa and Marwa A. Abdelazeem, On Biodiesels from Castor Raw Oil using Catalytic Pyrolysis. **Energy**, 143, 950-960, **2018.**
36. Mohammed I. Y. Elmallah, Olivier Micheau, Mennat Allah G Eid, Ali M. S. Hebishy, **Mohamed S. Abdelfattah**, Marine actinomycetes crude extracts with potent TRAIL-resistance overcoming activity against breast cancer. **Oncology Reports** 37, 3635-3642, **2017.**
37. **Mohamed S. Abdelfattah**, Mohammed I. Y. Elmallah, Adal A. Mohamed and Ishibashi M. Sharkquinone, a new *ana*-quinonoid tetracene derivative from marine-derived *Streptomyces* sp. EGY1 with TRAIL resistance-overcoming activity. **Journal of Natural Medicine** 71, 564–566, **2017.**
38. Yixizhuoma, Naoki Ishikawa, **Mohamed S. Abdelfattah** and Ishibashi M. Elmenols C-H, new angucycline derivatives isolated from a culture of *Streptomyces* sp. IFM 11490. **Journal of Antibiotics**, 70, 601-606, **2017.**
39. **Mohamed S. Abdelfattah**, Mohammed I. Y. Elmallah, Usama W. Hawas, Lamia T. Abou El-Kassem and Mennat Allah G. Eid, Isolation and characterization of marine-derived actinomycetes with cytotoxic activity from the Red Sea coast. **Asian Pacific Journal of Tropical medicine**, 6, 651-657, **2016.**
40. **Mohamed S. Abdelfattah**, Midori A. Arai and Masami Ishibashi, Bioactive secondary metabolites with unique aromatic and heterocyclic structures obtained from terrestrial actinomycetes species. **Chemical and Pharmaceutical Bulletin**, 7, 668-675, **2016.**
41. **Mohamed S. Abdelfattah**, Ishikawa N, Utpal K. Karmakar, Yamaku K and IshibashiM. New phenazine analogues from *Streptomyces* sp. IFM 11694 with TRAIL resistance-overcoming activities. **Journal of Antibiotics**, 69, 446–450, **2016.**
42. **Mohamed S. Abdelfattah**, Ishikawa N, Utpal K. Karmakar and IshibashiM. Sulfotanone, a new alkyl sulfonic acid derivative from *Streptomyces* sp. IFM 11694 with TRAIL resistance-overcoming activity. **Journal of Natural Medicines**, 70, 266-270, **2016.**

43. Yixizhuoma, Tsukahara, K, Toume, K, Ishikawa N, **Mohamed S. Abdelfattah** and Ishibashi M. Novel cytotoxic isobenzofuran derivatives from *Streptomyces* sp. IFM 11490. *Tetrahedron Letters* 56, 6345-6347.
44. Sherif E.A. Badr, W.H.M. El. Reffaei, Ahmed S.E. Abd El-Aziz and **Mohamed S. Abdelfattah**. Rheological Studies and Effect of Feeding Guar (*Cyamopsistetragonoloba* L.) Seeds on Histology of Some Organs of the Albino Rats. *American Journal of Food Technology*, 10, 26, 2015.
45. Mohamed A. Farag, **Mohamed S. Abdelfattah**, Sherif EA Badr and LudgerAWessjohann. Profiling the chemical content of *Ficus lyrata* extracts via UPLC-PDA-qTOF-MS and chemometrics. *Natural Products Research*, 28, 1549-1556, 2014.
46. **Mohamed S. Abdelfattah**; Toume, K.; Arai, M. A.; Ishibashi, M. New aromatic heterocycles with TRAIL resistance overcoming activity isolated from actinomycetes collected in Chiba area. *Planta Medica*, 80, PC1, 2014.
47. **Mohamed S. Abdelfattah**. Isolation and Crystal Structure of a new Anthraquinone Derivative from Actinomycete. *Chemistry of Natural Compounds*, 50, 613-616
48. El-Sheshtawy H. S., Mohammed S.Z., Renee I. Abdallah, Rasha A. Azzam, **Mohamed S. Abdelfattah** and Asmaa A. Meky. Biodegradation of crude oil enhancing by using nanoliposome. *Life Science Journal*, 11, 243-255, 2014.
49. **Mohamed S. Abdelfattah**; A new bioactive aminophenoxazinone alkaloid from a marine-derived actinomycete. *Natural Products Research*, 27, 2126-2131, 2013.
50. **Mohamed S. Abdelfattah**; Toume, K.; Arai, M. A.; Masu, H.; Ishibashi, M. Katorazone, a novel yellow pigment with 2-azaquinone-phenylhydrazone structure produced by *Streptomyces* sp. IFM 11307. *Tetrahedron Letters*, 53, 3346-3348, 2012.
51. **Mohamed S. Abdelfattah**, Toume Kazufumi& Masami Ishibashi; Yoropyrazone, a new naphthopyridazone alkaloid isolated from *Streptomyces* sp. IFM 11307 and evaluation of its TRAIL resistance-overcoming activity. *Journal Antibiotics*, 65, 245-248, 2012.
52. **Mohamed S. Abdelfattah**, Toume Kazufumi& Masami Ishibashi. New pyranonaphthoquinones and phenazine alkaloid isolated from *Streptomyces* sp. IFM 11307 with TRAIL resistance-overcoming activity. *Journal Antibiotics*, 64, 729-734, 2011.
53. **Mohamed S. Abdelfattah**, Toume Kazufumi& Masami Ishibashi; Isolation and Structure Elucidation of Izuminosides A-C: a Rare Phenazine Glycosides from *Streptomyces* sp. IFM 11260. *Journal Antibiotics*, 64, 271-275, 2011.

54. **Mohamed S. Abdelfattah**, Toume Kazufumi & Masami Ishibashi; Izumiphenazine D, New Phenazoquinoline Alkaloid from *Streptomyces* sp. IFM 11204. ***Chemical & Pharmaceutical Bulletin***, 59, 508-510, **2011**.
55. **Mohamed S. Abdelfattah**, Toume Kazufumi & Masami Ishibashi Izumiphenazines A-C; Isolation and Structure Elucidation of Phenazine Derivatives from *Streptomyces* sp. IFM 11204. ***Journal of Natural Products***, 73, 1999-2002, **2010**.
56. **Mohamed S. Abdelfattah**, Toume Kazufumi, Firoj Ahmed, Samir Kumar Sadhu & Masami Ishibashi; Cucullamide, a New Putrescine Bisamide from *Amoracucullata*. ***Chemical & Pharmaceutical Bulletin***, 58, 1116-1118, **2010**.
57. Felipe Lombó, **Mohamed S. Abdelfattah**, Alfredo F. Braña, Jürgen Rohr, José A. Salas & Carmen Méndez. Elucidation of oxygenation steps during ovedomycin biosynthesis and generation of novel derivatives with increased antitumor activity. ***Chembiochem***, 26, 296-303, **2009**.
58. **Mohamed S. Abdelfattah** "Mansoquinone: Isolation and Structure Elucidation of New Antibacterial Aromatic Polyketides from Terrestrial *Streptomyces* Sp. Eg5. ***Natural Products Research***, 23, 212-218, **2009**.
59. **Mohamed S. Abdelfattah**, Madan K. Kharel, John A. Hitron, Irfan Baig & Jürgen Rohr "Mooromycin A and B: Isolation and Structure Elucidation of C-Glycosylangucycline-Type Antibiotics from *Streptomyces* sp. KY002. ***Journal of Natural Products***, 71, 1569-1573, **2008**.
60. Carlos Olano, **Mohamed S. Abdelfattah**, Sonia Gullón, Alfredo F. Braña, Jürgen Rohr, Carmen Méndez, & José A. Salas "Glycosylated derivatives of steffimycin: insights on the role of the sugar moiety for the biological activity" ***Chembiochem*** 9, 624-33, **2008**.
61. **Mohamed S. Abdelfattah**, "Isolation and Crystal Structure of all-trans (E)-8-Methyl-13-Phenyl- trideca -4,6,8,10,12-pentaen-3-one. ***Analytical Science. X-ray Structure Analysis Online*** 24, 187-188, **2008**.
62. **Mohamed S. Abdelfattah** "Screening of terrestrial *Streptomyces* leading to identification of new stereoisomeric anthracyclines, ***World Journal of Microbiology and Biotechnology*** 24, 2619-2625, **2008**.
63. **Mohamed S. Abdelfattah** & Jürgen Rohr; "Premithramycinone G, an Early Shunt Product of the Mithramycin Biosynthetic Pathway Accumulated upon Inactivation of Oxygenase MtmOII", ***Angewandte Chemie International Edition*** 45, 5685-5689, **2006**.
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65. **Mohamed S. Abdelfattah**, Rajendra P. Maskey, Ratnakar N. Asolkar, Iris Grun-Wollny &

Hartmut Laatsch– Seitomycin: Isolation, Structure Elucidation and Biological Activity of a New Angucycline Antibiotic from a Terrestrial Streptomycete. *Journal of Antibiotics*, 56, 539-542, 2003.

12. CONFERANCES:

1. **Mohamed S. Abdelfattah**. "Bioactive Natural Compounds from Marine Microorganisms". International Conference on Recent Trends in Chemistry (ICRTC), Sharm ElSkaikh, Egypt, 2021.
 2. **Mohamed S. Abdelfattah**, and Masami Ishibashi, "Bioactive Phenazine Derivatives with TRAIL-Resistance Overcoming Activity from Actinomycetes". The Inaugural Symposium of the Phytochemical Society of Asia (ISPSA), Japan, 2015.
 3. **Mohamed S. Abdelfattah**, and Masami Ishibashi, "New Phenazines from *Streptomyces* sp. IFM 11694 with Wnt Signaling Inhibitory and TRAIL Resistance-Overcoming Activities". The 62th Annual Meeting of the Japanese Society of Pharmacognosy, Gifu, Japan, 2015.
 4. **Mohamed S. Abdelfattah**, K. Toume, Midori Arai, Masami Ishibashi, "New biologically active aromatic heterocyclic compounds from actinomycetes ", 54th international Meeting of natural organic compounds, Tokyo, Japan, 2012.
 5. **Mohamed S. Abdelfattah**, K. Toume, Masami Ishibashi, "Griseusin enantiomers with TRAIL resistance overcoming activity isolated from *Streptomyces* sp. IFM11307". Annual Meeting of Pharmaceutical Society of Japan, Sapporo, Japan, 2012.
 6. **Mohamed S. Abdelfattah**, K. Toume, Masami Ishibashi, "New phenazine alkaloid from Actinomycetes", Annual Meeting of Pharmaceutical Society of Japan, Shizuoka, Japan, 2011.
 7. **Mohamed S. Abdelfattah**, K. Toume, M. Ishibashi, "New glycosylated phenazine derivatives from the actinomycete CKK613", 57th Annual Meeting of Japanese Society of Pharmacognosy, Tokushima, Japan, 2010.
 8. **Mohamed S. Abdelfattah**, K. Toume, Midori Aida, Ishibashi, Masami, "new phenazine derivative isolated from. CKK612 actinomycete". 130 Annual Meeting of Pharmaceutical Society of Japan, Okayama, Japan, 2010.
 9. **Mohamed S. Abdelfattah** "New Islandicin Derivatives from Terrestrial Streptomycetes", (IUPAC) International Conference on Biodiversity and Natural Products ICOB-6&ISCNP-26, Charlottetown, PEI, Canada, July-13-18th, 2008.
 10. Michael Smith, **Mohamed S. Abdelfattah** and Jürgen Rohr, "Studies on the Mithramycin Glycosyltransferase MtmGIV", Regional Meeting of the American Chemical Society (ACS), USA, 2007.
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