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Curriculum Vita

September, 2020



Personal Information

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Citation indices	All	Since 2017
Citations	4110	2335
h-index	33	27
i10-index	66	58

Academic and Professional Qualifications

- 1- Ph. D. Degree in Pharmaceutical Sciences (Pharmacognosy-Phytochemistry), Ernst-Moritz-Arndt-University (Greifswald-University) Greifswald-Germany (June,1999), with the thesis entitled **“Isolation and Characterization of Antimicrobial and Antiviral Substances from the Basidiomycete *Ganoderma pfeifferi*”**.
- 2- Master Degree in Pharmaceutical Sciences, Ernst-Moritz-Arndt-University Greifswald-Germany (September, 1995), with the thesis entitled: **“ Investigations of the Influence of Drugs on Clinical-Chemical Methods with Hydrogenperoxide as an Intermediate”**
- 3- B. Pharm. Sci., Faculty of Pharmacy, Ernst-Moritz-Arndt-University Greifswald-Germany (1994)

Honors and Awards

- 1- Distinguished Research and Publication Quality awards from KSU, in 2010, 2011 and 2012.
- 2- **Alexander von Humboldt award 2007-2008, Germany.**
- 3- National Research award 2005-2006: Awarded by HAS Research Fund, Faculty of Pharmacy, Sana'a University, Yemen.
- 4- DAAD-Research award Jul 2003 to Sep 2003, Germany.
- 5- **Winner of the DAAD-Prize in Germany (1997).**

Patents

- 1- Lindequist,U., Jülich, W.-D., **Mothana, R.A.A.**, Jansen, R.: Biologisch aktive Extrakte aus Pilzen der Art *Ganoderma pfeifferi* DSM 13239 (Biologically active compounds of *Ganoderma pfeifferi* DSM 13239) DP Nr. 19911679, 2002; EP Nr. 1158995, 2003; US Patent 6,726,911 B1, 2004

Positions Held

- 1- Professor of Pharmacognosy and Phytochemistry (since December, 2011).
- 2- Staff member of the Pharmacognosy Department, College of Pharmacy, King Saud University, Saudi Arabia (since October 2008 to date).
- 3- Associate Professor of Pharmacognosy and Phytochemistry (May 2006).
- 4- Dean of Pharmacy, Faculty of Medical Sciences, Science and Technology university, Sana'a, Yemen (2003-2005).
- 5- Head of Pharmacognosy Department, Faculty of pharmacy, Sana'a University, Sana'a, Yemen (10/2002 till the sabbatical leave in 7/2007).
- 6- Assistant Professor, Department of Pharmacognosy, faculty of pharmacy, Sana'a University, Sana'a, Yemen (1/2001).
- 7- Lecturer, Department of Pharmacognosy, faculty of pharmacy, Sana'a University, Sana'a, Yemen (1999-2000).

Teaching Experiences

- 1- Participated in the teaching of the following courses: PHG222 (Pharmacognosy I, General Pharmacognosy), PHG322 (Pharmacognosy II, Chemistry of Natural Products), PHG413 (Pharmacognosy III, Dietary Supplements), PHG434 (Recent Approaches in medicinal plant Analysis) and PHG220 (Basics of Natural Products) as a member of the Pharmacognosy department, College of Pharmacy, King Saud University (since 2008 until now).
- 2- Participated in the teaching of the following courses: Botany, Pharmacognosy, Phytochemistry and Applied Pharmacognosy for the second, third, fourth- and fifth-year Students (2000 to 2007) at the Faculty of Pharmacy, Sana'a University and at faculty of Medical Sciences, Science and Technology University, Sana'a, Yemen.

Research interests

Natural Product Chemistry, Phytomedicine and Drug discovery from nature (Medicinal plants), Isolation and characterization of antimicrobial, anticancer, antioxidant and antiprotozoal compounds from natural sources.

Spoken Languages

- 1- Arabic
- 2- German
- 3- English

Supervising Master's and PhD's theses

- 1- Evaluation of Medicinal Plants from Fayfa and Wadi Dhamad Region with Special Reference to Bioprospecting of Plant with Anticancer Activity (Mohamed Alallah, College of Science, PhD thesis, KSU, 2017-2019)
- 2- Phytochemical and biological study on the aerial parts of *Plicosepalus acaciae* (zucc.) Wiens & Polhill. growing in Saudi Arabia (Omar Noman, College of Pharmacy, Master thesis, KSU, 2016-2018)
- 3- Assessment of antimicrobial activity of Saudi medicinal plants against pathogenic multiresistant bacteria. (Sarah Al-Hakbani, College of Science, Master thesis, KSU, 2012-2014).
- 4- Anticancer and antimicrobial compounds from *Premna resinosa* growing in Saudi Arabia. (Dina El-Badawi, College of Pharmacy, Master thesis, KSU, 2012-2014).

- 5- Isolation and characterization of some antioxidant and antimicrobial compounds from *Tarchonanthus camphorates* L. (Wadah Jamal, Master thesis, College of Pharmacy, KSU, 2010-2012).
- 6- Antiprotozoal and antihelminthic activities of some Yemeni medicinal plants. (PhD thesis. Sana'a University, 2007-2010).
- 7- Isolation and characterization of antioxidant principles from *Phargmenthera regularis* (Steud. ex Sprague) M.G.Gilbert (Family: Loranaceae). (Master thesis. Sana'a University, 2007-2008).
- 8- Isolation and characterization of antimicrobial and antioxidant constituents from *Pulicaria inuloides* DC (Family: Compositae). (Master thesis, Sana'a University, 2007-2008).
- 9- Assessment of therapeutic efficacy of some Yemeni medicinal plants as antimalarial drugs for *Plasmodium falciparum* "An in vitro study. (Master thesis, Sana'a University, 2006-2007).
- 10- Effect of *Dendrosicyos socotrana* Balf. f. and *Jatropha uncostata* Balf. f. water extracts on the viability of *Echinococcus* protoscoleces. (Master thesis, Sana'a University, 2005-2006).

List of Publications

1. M Mirghani, HS Khalid, MS Mohammed, AB Mohamed, A Ali, W Osman, **RA Mothana**. Hepatoprotective and free radical scavenging activities of methanol extract fractions of *Capparis decidua* Edgew Forssk.(Capparidaceae). African Journal of Pharmacy and Pharmacology, 2020, 14 (8), 316-330.
2. FA Nasr, OM Noman, **RA Mothana**, AS Alqahtani, AA Al-Mishari. Cytotoxic, antimicrobial and antioxidant activities and phytochemical analysis of *Artemisia judaica* and *A. sieberi* in Saudi Arabia. African Journal of Pharmacy and Pharmacology, 2020, 14 (8), 278-284
3. **RA Mothana**, AH Arbab, MK Parvez, MS Al-Dosari. Assessment of anti-hepatitis B virus activity of endemic medicinal plants from Socotra Island. African Journal of Pharmacy and Pharmacology, 2020, 14 (8), 294-299
4. OM Noman, FA Nasr, **RA Mothana**, AS Alqahtani, W Qamar, AA Al-Mishari, et al. Isolation, Characterization, and HPTLC-Quantification of Compounds with Anticancer Potential from *Loranthus acaciae* Zucc. Separations, 2020, 7 (3), 43
5. F Zhang, G Ramachandran, **RA Mothana**, OM Noman, WA Alobaid, et al. Anti-bacterial activity of chitosan loaded plant essential oil against multi drug resistant *K. pneumoniae*. Saudi Journal of Biological Sciences, 2020, online.
6. AEL Moussaoui, FZ Jawhari, M Bourhia, I Maliki, F Sounni, **RA Mothana**, et al. *Withania frutescens*: Chemical characterization, analgesic, anti-inflammatory, and healing activities. Open Chemistry, 2020, 18 (1), 927-935.
7. M Bourhia, M Messaoudi, H Bakrim, **RA Mothana**, NA Sddiqui, et al. *Citrullus colocynthis* (L.) Schrad: Chemical characterization, scavenging and cytotoxic activities. Open Chemistry, 2020, 18 (1), 986-994

8. S Tian, K Saravanan, **RA Mothana**, G Ramachandran, G Rajivgandhi, et al. Anti-cancer activity of biosynthesized silver nanoparticles using *Avicennia marina* against A549 lung cancer cells through ROS/mitochondrial damages. Saudi Journal of Biological Sciences, 2020, online.
9. Marwa H. A. Alhassan, Osama H. A. Ali, Wadah J. A. Osman, Khadiga M. Osman, Mona S. Mohamed, Ahmed O. Alamin and **Ramzi A. Mothana**. Effects of *Ambrosia maritima* (Damsissa) ethanolic extract on phenylhydrazine hydrochloride-induced anaemia in rabbits (*Lepus cuniculus*). African Journal of Biotechnology, 2020, 19(4), 207-214.
10. **Ramzi A. Mothana**, Fahd A. Nasr, Jamal M. Khaled, Omar M. Noman, Nael Abutaha, Adnan J. Al-Rehaily, Omar M. Almarfadi, Mine Kurkcuoglu. *Ducrosia ismaelis* Asch. essential oil: chemical composition profile and anticancer, antimicrobial and antioxidant potential assessment. Open Chem., 2020; 18: 175–184.
11. Mohammad Nur-e-Alam, Sarfaraz Ahmed, Muhammad Yousaf¹, Shabana I Khan, **Ramzi A Mothana** and Adnan J Al-Rehaily. Isolation and characterization of cytotoxic and anti-inflammatory constituents from *Scoparia dulcis* L. Journal of Chemical Research, published Online, February 2020.
12. Osman W, Ibrahim M, Adam M, **Mothana R**, Mohammed M, Abdoon I, Basudan O, Garelnab E, Mohamed H, Osman B, Ahmad S. Isolation and Characterization of Four Terpenoidal Compounds with Potential Antimicrobial Activity from *Tarconanthus camphorantus* L. (Asteraceae). J Pharm Bioallied Sci. 2019 Oct-Dec;11(4):373-379.
13. Balasubramanian B, Kim HJ, **Mothana RA**, Kim YO, Siddiqui NA. Role of LXR alpha in regulating expression of glucose transporter 4 in adipocytes - Investigation on improvement of health of diabetic patients. J Infect Public Health. 2020 Feb;13(2):244-252.
14. Siddiqui NA, **Mothana RA**, Al-Said MS, Parvez MK, Alam P, Tabish Rehman M, Ali M, Alajmi MF, Al-Dosari MS, Al-Rehaily AJ, Nasr FA, Khalid JM. Cell proliferation activity delineated by molecular docking of four new compounds isolated from the aerial parts of *Suaeda monoica* Forssk. ex. J.F. Gmel. Saudi Pharm J. 2020 Feb;28(2):172-186.
15. **Ramzi A. Mothana**, Fahd A. Nasr, Jamal M. Khaled, Mohammed AL-Zharani, Omar M. Noman, Nael Abutaha, Adnan J. Al-Rehaily, Omar M. Almarfadi, Ashok Kumar, Mine Kurkcuoglu. Analysis of Chemical composition and Assessment of Cytotoxic, Antimicrobial, and Antioxidant Activities of the Essential Oil of *Meriandra dianthera* Growing in Saudi Arabia. Molecules. 2019; 24(14): 2647.
16. Al-Mutary Mohsen G, Gasem Mohammad Abu-Taweel, Rajakrishnan Rajagopal, Kim Sun-Ju, Hak-Jae Kim, Young Ock Kim, **Ramzi A. Mothana**, Shine Kadaikunnan, Jamal M. Khaled, Nasir A. Siddiqui, Adnan J. Al-Rehaily. Betulinic acid lowers lipid accumulation in adipocytes through enhanced NCoA1–PPAR γ interaction. Journal of Infection and Public Health, 2019 Sep - Oct;12(5):726-732.
17. Omar M. Noman, **Ramzi A. Mothana**, Adnan J. Al-Rehaily, Ali S. Al qatani, Fahd A. Nasr, Jamal M. Khaled, Mohamed F. Alajmi, Mansour S. Al-Said. Phytochemical analysis and anti-diabetic, anti-inflammatory and antioxidant activities of *Loranthus acaciae* Zucc. Grown in Saudi Arabia. Saudi Pharm J. 2019; 27(5): 724–730.
18. Sarfaraz Ahmed, Adnan J. Al-Rehaily, Perwez Alam, Ali S. Alqahtani, Syed Hidayatullah, Md. Tabish Rehman, **Ramzi A. Mothana**, Syed Sadiq Abbas, M.U. Khan, Jamal M. Khalid, Nasir A. Siddiqui.

Antidiabetic, antioxidant, molecular docking and HPTLC analysis of miquelianin isolated from *Euphorbia schimperi* C. Presl. Saudi Pharm J. 2019; 27(5): 655–663.

19. **Mothana, R.A.**, Khaled, J.M., El-Gamal, A.A., Noman, O.M., Kumar, A., Alajmi, M.F., Al-Rehaily, A.J., Al-Said, M.S. Comparative evaluation of cytotoxic, antimicrobial and antioxidant activities of the crude extracts of three *Plectranthus* species grown in Saudi Arabia. Saudi Pharmaceutical Journal, 2019, 27(2): 162–170.
20. JM Khaled, FA Al-Mekhlafi, **RA Mothana**, NS Alharbi, KE Alzaharni, Brevibacillus laterosporus isolated from the digestive tract of honeybees has high antimicrobial activity and promotes growth and productivity of honeybee's colonies. Environmental Science and Pollution Research 25 (11), 10447-10455
21. **RA Mothana**, JM Khaled, OM Noman, A Kumar, MF Alajmi, AJ Al-Rehaily, Mine Kurkcuoglu. Phytochemical analysis and evaluation of the cytotoxic, antimicrobial and antioxidant activities of essential oils from three *Plectranthus* species grown in Saudi Arabia. BMC complementary and alternative medicine 18 (1), 237.
22. MF Alajmi, **RA Mothana**, AJ Al-Rehaily, JM Khaled. Antimycobacterial Activity and Safety Profile Assessment of *Alpinia galanga* and *Tinospora cordifolia*. Evidence-Based Complementary and Alternative Medicine 2018.
23. Vijayan Thamilarasan, Venkatesan Sethuraman, Kasi Gopinath, Chinnasamy Balalakshmi, Marimuthu Govindarajan, **Ramzi A Mothana**, Nasir A Siddiqui, Jamal M Khaled, Giovanni Benelli. Single Step Fabrication of Chitosan Nanocrystals Using *Penaeus semisulcatus*: Potential as New Insecticides, Antimicrobials and Plant Growth Promoters. Journal of Cluster Science. 2018, 29(2), 375-384.
24. MI Alallah, F Alhemaïd, F Bai, RA Mothana, MS Elshikh, MA Farah, MA Ali. The binding proximity of methyl β -lilacinobioside isolated from *Caralluma retrospiciens* with topoisomerase II attributes apoptosis in breast cancer cell line. Saudi Journal of Biological Sciences. 2018, 25(8), 1826-1833.
25. Alyahya SA, Govindarajan M, Alharbi NS, Kadaikunnan S, Khaled JM, **Mothana RA**, Al-Anbr MN, Vaseeharan B, Ishwarya R, Yazhiniprabha M, Benelli G. Swift fabrication of Ag nanostructures using a colloidal solution of *Holostemma ada-kodien* (Apocynaceae) - Antibiofilm potential, insecticidal activity against mosquitoes and non-target impact on water bugs. J Photochem Photobiol B. 2018 Apr;181:70-79
26. S. Ahmed, M. N. e-Alam, **Ramzi A. Mothana**, M. Yousaf, A. J. Al-Rehaily. Activity guided isolation of chemical constituents from the biologically active methanol extract of *Euphorbia schimperi* C. Presl. Bulletin of the Chemical Society of Ethiopia, 31(3): 471-479, 2017.
27. Dina A Albadawi, **Ramzi A Mothana**, Jamal M Khaled, Abdelkader E Ashour, Ashok Kumar, Sheikh F Ahmad, Mansour S Al-Said, Adnan J Al-Rehaily, Nawal M Almusayeb. Antimicrobial, anticancer, and antioxidant compounds from *Premna resinosa* growing in Saudi Arabia. Pharmaceutical Biology 55 (1), 1759-1766, 2017.
28. Chinnadurai Aarthi, Marimuthu Govindarajan, Pichaimuthu Rajaraman, Naiyf S Alharbi, Shine Kadaikunnan, Jamal M Khaled, **Ramzi A Mothana**, Nasir A Siddiqui, Giovanni Benelli. Eco-friendly and cost-effective Ag nanocrystals fabricated using the leaf extract of *Habenaria plantaginea*: toxicity on six mosquito vectors and four non-target species. Environmental Science and Pollution Research, 1-11, 2017.

29. **RA Mothana**, OM Noman, ES Al-Sheddi, JM Khaled, MS Al-Said, ...Chemical Composition, In Vitro Antimicrobial, Free-Radical-Scavenging and Antioxidant Activities of the Essential Oil of *Leucas inflata* Benth. *Molecules* 22 (3), 367, 2017
30. NS Alharbi, JM Khaled, KE Alzaharni, **RA Mothana**, MS Alsaied, ... Effects of *Piper cubeba* L. essential oil on methicillin-resistant *Staphylococcus aureus*: an AFM and TEM study. *Journal of Molecular Recognition* 30, 1, 2017.
31. Naiyf S Alharbi, Jamal M Khaled, Shine Kadaikunnan, **Ramzi A. Mothana**, Ahmed Saad Alobaidi, Saleh Salmen. Evaluation of an efficiency of alcoholic extracts isolated from *lagenaria siceraria* (molina) against some antibiotic resistant clinical microorganisms. *FEB-Fresenius Environmental Bulletin*, 2016.
32. Nasir A Siddiqui, **Ramzi A Mothana**, Adnan J Al-Rehaily, Perwez Alam, Muhammad Yousaf, Sarfaraz Ahmed, Abdulrahman Alatar. High-performance thin-layer chromatography based concurrent estimation of biomarkers ent-phyllanthidine and rutin in the dried aerial parts of *Flueggea virosa*. *Saudi Pharmaceutical Journal*, 2017. In Press.
33. Alharbi NS, Khaled JM, Alzaharni KE, **Mothana RA**, Alsaied MS, Alhoshan M, Dass LA, Kadaikunnan S, Alobaidi AS. Effects of *Piper cubeba* L. essential oil on methicillin-resistant *Staphylococcus aureus*: an AFM and TEM study. *J Mol Recognit*. 2016 Sep 5. doi: 10.1002/jmr.2564.
34. Al-Said MS, **Mothana RA**, Al-Yahya MM, Rafatullah S, Al-Sohaibani MO, Khaled JM, Alatar A, Alharbi NS, Kurkcuoglu M, Baser HC. GC-MS Analysis: In Vivo Hepatoprotective and Antioxidant Activities of the Essential Oil of *Achillea biebersteinii* Afan. Growing in Saudi Arabia. *Evid Based Complement Alternat Med*. 2016;2016:1867048. doi: 10.1155/2016/1867048
35. **Mothana R**, Alsaied M, Khaled JM, Alharbi NS, Alatar A, Raish M, Al-Yahya M, Rafatullah S, Parvez MK, Ahamad SR. Assessment of antinociceptive, antipyretic and antimicrobial activity of *Piper cubeba* L. essential oil in animal models. *Pak J Pharm Sci*. 2016 Mar;29(2 Suppl):671-7.
36. Sarfaraz Ahmed, Muhammad Yousaf, **Ramzi A. Mothana**, Adnan J. Al-Rehaily. Studies on wound healing activity of some *Euphorbia* species on experimental rats. *African Journal of Traditional, Complementary and Alternative Medicines*. 2016, Vol 13, No 5, 145-152.
37. Nasir A. Siddiqui, **Ramzi A. Mothana**, Perwez Alam. Quantitative determination of alliin in dried garlic cloves and products by high-performance thin-layer chromatography. *Tropical Journal of Pharmaceutical Research*. 2016, Vol 15, No 8: 1759-1765.
38. Faiyaz Shakeel, **Ramzi A. Mothana**, Nazrul Haq, Nasir A. Siddiqui, Mai M. Al-Oqail, Adnan J. Al-Rehaily. Solubility and thermodynamic function of bergenin in different (DMSO + water) mixtures at different temperatures. *Journal of Molecular Liquids*, 2016, Vol 220: 823–828.
39. Naiyf Alharbi, Jamal Khaled, Shine Kadaikunnan, Ahmed alobaidi, **Ramzi Mothana**, Saleh Salman. In vitro susceptibility test for *Bacillus* species isolated from hands sterilized with instant waterless hand sanitizer. *FRESENIUS Environmental Bulletin*, 2016, 25 (5), 1638-1645.
40. Nasser A. Awadh Ali, Saeed S. Al-Sokari, **Ramzi Mothana**, Mahmoud Hamed, Mohamed Wagih, Paul Cos, Louis Maes. In vitro antiprotozoal activity of five plant extracts from Albaha region. Apr 2016, *World Journal of Pharmaceutical Research*, 5(3), 338-346.
41. Mohammed Al-Yahya, Mohammad Raish, Mansour S. AlSaid, Ajaz Ahmad, **Ramzi A. Mothana**, Mohammed Al-Sohaibani, Mohammed S. Al-Dosari, Mohammad K. Parvez, Syed Rafatullah. Ajwa' dates (*Phoenix dactylifera* L.) extract ameliorates isoproterenol-induced cardiomyopathy through downregulation

- of oxidative, inflammatory and apoptotic molecules in rodent model. *Phytomedicine*. 2016 Oct 15;23(11):1240-8.
42. Aicha Debib, Montserrat Dueñas, Meddah Boumediene, **Ramzi A. Mothana**, Alioui Latifa · Meddah Aicha Tir-Touil. Synergetic Hepatoprotective Effect of Phenolic Fractions Obtained from *Ficus Carica* Dried Fruit and Extra Virgin Olive Oil on CCL4-Induced Oxidative Stress and Hepatotoxicity in Rats. *Journal of Food Biochemistry*, 2016, 40(4), 507-516.
 43. Sarfaraz Ahmed, **Ramzi A. Mothana**, Adnan J. Al-Rehaily. *In vivo* hypoglycemic and anti-diabetic study of *Oncocalyx glabratus*. *Bangladesh Journal of Pharmacology*, 2015.
 44. Kadaikunnan S, Rejiniemon T, Khaled JM, Alharbi NS, **Mothana R**. In-vitro antibacterial, antifungal, antioxidant and functional properties of *Bacillus amyloliquefaciens*. *Ann Clin Microbiol Antimicrob*. 2015 Feb 22;14(1):9
 45. M. A. Al-Yahya, **R. A. Mothana**, M. S. Al-Said, M. Al-Dosari, M. Al-Sohaibani, M. K. Parvez, S. Rafatullah "Protective effect of citrus medica 'otro' extract on gentamicin-induced nephrotoxicity and oxidative damage in rat kidney. *Digest Journal of Nanomaterials and Biostructures*, Vol. 10, 1, 19-29 (2015).
 46. Mansour AlSaid, **Ramzi Mothana**, Mohammad Raish, Mohammed Al-Sohaibani, Mohammed Al-Yahya, Ajaz Ahmad, Mohammed Al-Dosari, and Syed Rafatullah Evaluation of the Effectiveness of Piper cubeba Extract in the Amelioration of CCL₄-Induced Liver Injuries and Oxidative Damage in the Rodent Model. *BioMed Research International*, Volume 2015 (2015), Article ID 359358, 11 pages
 47. Sarfaraz Ahmed, Mohammad S Ahmad, Muhammad Yousaf, **Ramzi A Mothana**, Adnan J Al-Rehaily. Evaluation Of Acute Toxicity And Anti-Inflammatory Effects Of *Baccharoides Schimper* (Dc.) In Experimental Animals. *African Journal of Traditional, Complementary and Alternative medicines* Vol 12, 1, (2015).
 48. Wadah Jamal, Ahmed Bari, **Ramzi A. Mothana**, Omer Basudan, Mona S. Mohammed and S.W. Ng. Antimicrobial Evaluation and Crystal Structure of Parthenolide from *Tarconanthus camphoratus* Collected in Saudi Arabia. *Asian J. Chem*. 2014, 26(16), pp 5183-5185.
 49. Nawal M. Al Musayeib, **Ramzi A. Mothana**, Gamal A. Mohamed, Sabrin R.M. Ibrahim, Louis Maes Hypoestenonols A and B, new fusicoccane diterpenes from *Hypoestes forskalei*. *Phytochemistry Letters*, Volume 10, December 2014, Pages 23-27
 50. **Mothana RA**, Al-Said MS, Al-Musayeib N, El Gamal A., Al-Massarani S., Al-Rehaily AJ, Abdulkader M., Maes L. *In Vitro* Antiprotozoal Activity of Abietane Diterpenoids Isolated from *Plectranthus barbatus* Andr. *Int J Mol Sci*. 2014, 15: 8360-8371.
 51. **Ramzi A. Mothana**, Nawal M. Al-Musayeib, Mohamed F. Al-Ajmi, Paul Cos, Louis Maes. Evaluation of the In Vitro Antiplasmodial, Antileishmanial, and Antitrypanosomal Activity of Medicinal Plants Used in Saudi and Yemeni Traditional Medicine, *Evidence-Based Complementary and Alternative Medicine* Volume 2014 (2014), Article ID 905639, 7 pages

52. Debib, A. Tir-Touil, **R.A.Mothana**, B. Meddah, P. Sonnet. Phenolic content, antioxidant and antimicrobial activities of two fruit varieties of **Algerian *Ficus carica* L.** Accepted in **Journal of Food Biochemistry**, 2014, **38(2)**, 207-215.
53. Al Musayeib NM, **Mothana RA**, Ibrahim SR, El Gamal AA, Al-Massarani SM. Klodorone A and klodorol A: new triterpenes from *Kleinia odora*. Nat Prod Res. 2014 May 15;1-5.
54. **Mothana RA**, Al-Said MS, Al-Yahya MA, Al-Rehaily AJ, Khaled JM. GC and GC/MS Analysis of Essential Oil Composition of the Endemic Soqotraen *Leucas virgata* Balf.f. and Its Antimicrobial and Antioxidant Activities. Int J Mol Sci. 2013 Nov 21;14(11):23129-39
55. Al-Yahya MA, **Mothana RA**, Al-Said MS, El-Tahir KE, Al-Sohaibani M, Rafatullah S. *Citrus medica* "Otroj": attenuates oxidative stress and cardiac dysrhythmia in isoproterenol-induced cardiomyopathy in rats. Nutrients. 2013 Oct 28;5(11):4269-83
56. Jamal M. Khaled, Abdulla S. Khalel, Saleh A. Kandeal, **Ramzi A. Mothana**. Cultural and microscopic characterization of *Trichosporon mycotoxinivorans* and its effect on some reproductive aspects in mice. Journal of pure and applied Micorbiology, 7(3), 2141-2147.
57. Al-Massarani SM, El Gamal AA, Al-Musayeib NM, **Mothana RA**, Basudan OA, Al-Rehaily AJ, Farag M, Assaf MH, El Tahir KH, Maes L. Phytochemical, Antimicrobial and Antiprotozoal Evaluation of *Garcinia Mangostana* Pericarp and α -Mangostin, Its Major Xanthone Derivative. Molecules. 2013 Sep 2;18(9):10599-608. 2.
58. Musayeib NM, **Mothana RA**, Gamal AA, Al-Massarani SM, Maes L. *In Vitro* Antiprotozoal Activity of Triterpenoid Constituents of *Kleinia odora* Growing in Saudi Arabia. Molecules. 2013 Jul 31;18(8):9207-18.
59. Mohammed Al-Yahya, **Ramzi Mothana**, Mansour Al-Said, Mohammed Al-Dosari, Nawal Al-Musayeib, Mohammed Al-Sohaibani, Mohammad Khalid Parvez, Syed Rafatullah. Attenuation of CCl4-induced Oxidative Stress and Hepato-nephrotoxicity by Saudi Sidr Honey in Rats. Accepted in eCAM Evidence Based Complement Alternat Med. (eCAM); 2013;569037. doi: 10.1155/2013/569037. Epub 2013 Feb 242013.
60. **Mothana RA**, Al-Musayeib, Matheeussen A, Cos P, Maes L. Assessment of the *in vitro* antiprotozoal and cytotoxic potential of 20 selected medicinal plants from the island of Soqotra. Molecules. 2012 Dec 3;17(12):14349-60.
61. Al-Said MS, **Mothana RA**, Al-Yahya MA, Al-Blowi AS, Al-Sohaibani M, Ahmed AF, Rafatullah S. Edible oils for liver protection: hepatoprotective potentiality of *Moringa oleifera* seed oil against chemical-induced hepatitis in rats. J Food Sci. 2012, 77(7): T124-30.
62. Al-Musayeib NM, **Mothana RA**, Al-Massarani S, Matheeussen A, Cos P, Maes L. Study of the *in Vitro* Antiplasmodial, Antileishmanial and Antitrypanosomal Activities of Medicinal Plants from Saudi Arabia. Molecules. 2012 17(10): 11379-90.
63. **Ramzi A. Mothana**, Mansour S. Alsaid, Sidgi S. Hasoon, Nawal M. Al-Mosaiyb, Adnan J. Al-Rehaily and Mohamed A. Al-Yahya. Antimicrobial and antioxidant activities and gas chromatography mass spectrometry (GC/MS) analysis of the essential oils of *Ajuga bracteosa* Wall. ex Benth. and *Lavandula dentata* L. growing wild in Yemen. Journal of Medicinal Plants Research 2012, 6(15): 3066-3071.

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 88. **Ramzi A.A.Mothana**, Christiane Reiss, Renate Mentel and Ulrike Lindequist. Phytochemical screening and antiviral activity of some plants from the Island Soqatra. Phytotherapy Research, 2006, 20: 298-302.
 89. **Ramzi A.A.Mothana** and Ulrike Lindequist, Antimicrobial activity of some medicinal plants of the island Soqatra, J. of Ethnopharmacology, 2005, 96(1-2): 177-181.

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91. Awad A. N., **Mothana R. A. A.** , Lesnau U., Pilgrim H. and Lindequist U., Antiviral activity of Hispidin and Hispilon, *Fitoterapia*. 2003, 74: 483-485.
92. **Ramzi A. A. Mothana**, Nasser A. Awad, Rolf Jansen, Ursula Wegner, Renate Mentel, and Ulrike Lindequist, Ganoderon B, a Novel Antiviral Lanostanoid Triterpenes from the Fungus *Ganoderma pfeifferi* Bres, *Fitoterapia*. 2003, 74: 177-180.
93. H. Abd El-Fattah, Nasser A. A. Ali, **Ramzi A. A. Mothana**, Rafa-Aldin Sabie and Saed M. S. Alghalibi, Chemical and Biological investigation of three *Rumex* species growing in Yemen, *Yemen Medical Journal*, 2002, 4(2): 32-42.
94. **Ramzi A. A. Mothana**, Rolf Jansen, Wolf-Dieter Juelich and Ulrike Lindequist. "Ganomycins A and B, New antimicrobial Farnesyl Hydroquinones from the Basidiomycete *Ganoderma pfeifferi*", *J. Nat. Prod.*, 2000, 63: 416-418.

External examiner and reviewer for the following universities, institutions

- 1- College of Pharmacy, King Saud University, Saudi Arabia (4 Master students within the last 5 Years).
- 2- College of Science, King Saud University, Saudi Arabia (3 PhD-Students and 4 Master Students).
- 3- Faculty of Marine Science, King Abdulaziz University, Saudi Arabia (1 PhD-Student).
- 4- Faculty of Medicine, University of Malaya, Malaysia (7 PhD-Students and 3 Master-Students).
- 5- Faculty of Medicine, UiTM, Malaysia (one Master-Student).
- 6- College of Health Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
- 7- Faculty of Pharmacy, University of Khartoum, Sudan
- 8- Deanship of Scientific Research, King Abdulaziz University, Saudi Arabia.
- 9- Deanship of Scientific Research, King Khalid University, Saudi Arabia.
- 10- Deanship of Scientific Research, Taif University, Saudi Arabia.
- 11- Faculty of Pharmacy, Sana'a University, Yemen.
- 12- College of Science, Sana'a University, Yemen.

Reviewer for the following Journals (ISI-journals)

- 1- *Planta Medica*
- 2- *eCAM*, Evidence-based Complementary and alternative Medicine
- 3- *Food Chemistry*.
- 4- *BMC Complementary and Alternative Medicine*
- 5- *Pharmaceutical Biology*
- 6- *Saudi Pharmaceutical Journal*.

- 7- Journal of Food Science
- 8- Natural Product Research
- 9- Journal of Essential oil Research
- 10- Open Chemistry
- 11- Other Journals

Participation in Conferences

- 1- Scientific Research Forum, Investment in Scientific Research: Challenges and Opportunities, 17-21 February, 2019, King Saud University, Riyadh, SA.
- 2- 8th College of Pharmacy Research Day, April 25-26, 2018, (Organizer) King Saud University, Riyadh, SA.
- 3- 7th College of Pharmacy Research Day, May 24, 2017, (Organizer) King Saud University, Riyadh, SA.
- 4- 6th College of Pharmacy Research Day, May 11, 2016, (Organizer) King Saud University, Riyadh, SA.
- 5- The 2nd Saudi International Conference on Scientific Publishing, 11-13 October, 2015, King Saud University, Riyadh, SA.
- 6- The 1st Saudi Conference for Research support 2014 “Funding Challenges & Solutions” 2-4 November, 2014, 9-11- Muharam, 1436 H.
- 7- 17th International Conference of FFC - 5th International Symposium of ASFFBC . Discovery, Utilization, and Control of Bioactive Components and Functional Foods, November 18-19, 2014, University of San Diego, San Diego, California, USA. **(Oral presentation)**
- 8- 2nd International Conference and Exhibition on obesity & Weight Management, 2-4 December, 2013, Las Vegas, USA. **(Oral presentation)**
- 9- 61st international congress and annual meeting of the society for medicinal plants and natural product research, 1-5 September 2013, Muenster, Germany . **(Oral presentation)**
- 10- 12th Annual Oxford International Conference on the Science of Botanicals, 15-18 April 2013, Oxford, Mississippi, USA. . **(Poster presentation)**
- 11- 1st International Conference on Pharmaceutical, Nutraceutical and Cosmetic Sciences (ICNaCS), 21-23 October 2012, Kuala Lumpur, Malaysia. . **(Oral presentation)**
- 12- The 13th International Congress of the Society for Ethnopharmacology, 2-6 September 2012, Graz, Austria.
- 13- The 59th international congress and annual meeting of the society for medicinal plants and natural product research, 4-9 September 2011, Antalya, Turkey. **(Oral presentation)**
- 14- The 8th Saudi International Pharmaceutical Conference and Exhibition, Riyadh, 26-28 April 2010. Oral Presentation with the title: Antimicrobial and cytotoxic abietane diterpenoids from the roots of *Meriandera benghalensis* (Roxb.) Benth.

- 15- May 9-12, 2009. The International German-Middle East Conference, Amman, Jordan. **Oral Presentation with the title: The importance of Medicinal plants in drug discovery.**
- 16- June 22-24, 2008. Annual Meeting of Alexander von Humboldt foundation members, Berlin, Germany. **(only participation)**
- 17- April, 17-18, 2008 Science career development, 10 Years George Foster scholarship, Bonn, Germany. **Oral presentation with the title: Impact of Science, Technology and International Collaboration on Developing Countries**
- 18- 6th European Colloquium on Ethnopharmacology (ESE) & 20. Fachkonferenz Ethnomedizin (AGEM) Joint meeting, 8-10 November 2007, Leipzig, Germany. **Poster with the title: Study of the anticancer potential of Yemeni plants used in folk medicine.**
- 19- April 16-18, 2007, The Regional Conference and the Scientific Exhibition on the Medicinal, Aromatic, and Poisonous Plants. Sana'a, Yemen. **Oral presentation with the title: Anticancer activity of Some Yemeni Medicinal plants.**
- 20- May 25-26, 2004 in 5th National Symposium on Health Sciences, Kuala Lumpur, Malaysia. **Oral presentation with the title: Antimicrobial activity of some plants of the Island Soqatra.**
- 21- August 31 until September 3, 2003 "51st Annual congress of the society for Medicinal Plant research in Kiel, Germany. **Poster with the title: Antiviral and enzyme inhibition of some Yemeni medicinal plants.**
- 22- October 8 until October 12, 2002 "The annual Conference of the pharmaceutical Association in Berlin, Germany. **Poster with the title: Chemical and Biological investigation of three *Rumex* species growing in Yemen**
- 23- March 21-23, 1999 "9th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) in Berlin, Germany" **Poster with the title: Ganomycin A and B: New antimicrobial compounds from the fungus *Ganoderma pfeifferi*.**
- 24- March 11-14, 1999 "The annual Conference of the pharmaceutical Association in Freiburg, Germany" February 21-23 until **Poster with the title: Isolation of antiviral compounds from the fungus *Ganoderma pfeifferi*.**
- 25- February 24, 1999 "The third Ulmer Symposium in Ulm, Germany" (Poster).

Committees

- 1- Member of the Pharmacognosy Department since 10/1429 AH until now.
- 2- Member of the Academic Advising Committee at the College of Pharmacy since 10/1433 AH for 2 years.
- 3- Member of the Academic Accreditation Committee for the American and Canadian Accreditation.
- 4- Head of the Phytochemistry Unit at the Medicinal, Aromatic and Toxic Plants Research Center, since 1430 AH until 1440.
- 5- Head of the Purchasing Laboratory Equipment Committee in the department since 10/1429 AH until 1440.

- 6- Representative of the Pharmacognosy Department in the Quality Control Committee of the College of Pharmacy since 11/1430 AH until 1438.
- 7- Member of the Academic Interview Committee of Postgraduate Studies in the department since 11/1430 AH until now.
- 8- Course Coordinator for Internship PHG495 (Graduation Research Project) for all departments in the College of Pharmacy since 2/1433 AH until 1439.
- 9- Coordinator of the College of Pharmacy Research day 1433 until 1440.
- 10- Head of the Research Group (RGPVPP-073) for the year 1432 - until now.
- 11- Member of the Committee for the Development of the Herbal and Alternative Medicine Unit from 1438 until now.
- 12- Head of the course development committee at the department.
- 13- Member of the Study Plans Committee of the college from 1439 until 1441.
- 14- Member of the Strategic Plan Committee of the Pharmacognosy department from 1441 until now.
- 15- Coordinator of the College of Pharmacy in the Distinguished Students Program at the University.
- 16- Representative of the Pharmacognosy Department at the Postgraduate Study Committee of the College of Pharmacy since 1442 until now.

Teaching Experiences

- 1- Bachelor: Pharmacognosy I, PHG222, 12 years.
- 2- Bachelor: Pharmacognosy II, (Chemistry of Natural Products), PHG322, 13 years.
- 3- Bachelor: Pharmacognosy III (Dietary Supplements), PHG413, 7 Years.
- 4- Bachelor: Recent Approaches in medicinal plant Analysis, PHG434, 8 Years.
- 5- Bachelor: Drug abuse, PHG413, 3 Years.
- 6- PharmD program: Basics of Natural Products, PHG220, 8 Years.
- 7- PharmD program: Dietary Supplements, PHG311, 5 Years.
- 8- PharmD program: Complementary and Alternative Medicine, PHG323, 3 Years.
- 9- Bachelor: Graduate Research Project, PHTR495, 11 Years.

- 1- Master degree, Terrestrial Natural Products, PHG517, 2 Years.
- 2- Master degree, Seminar (1), PHG518, 5 Years.
- 3- Master degree, Selected Topics in Pharmacognosy, PHG526, 5 Years.
- 4- Master degree, Thesis Proposal Preparation, PHG598, 5 Years.
- 5- Master degree, Thesis, PHG600, 5 Years.