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Summary

A researcher and academic in botany, and I have experiences in various branches of botany and biology, as well as I have a number of publications in this field, and I am familiar with all methods of scientific research and its various applications

Education

- PhD. In Plant Biotechnology, Biology and biotechnology department, Faculty of Post Graduate Studies, Al-Neelain University, Sudan, mar 2021.
- MSc. In Botany (V.Good), Botany department, Faculty of Post Graduate Studies, Omdurman Islamic University, Sudan, Oct 2014.
- B.Sc. In Botany (V.Good), Botany department, Faculty of Science and Technology, Omdurman Islamic University, Sudan, Aug 2009.

Experience

- Postdoctoral Researcher at the International Center of Chemical and Biological Science and The World academic of Science (ICCBS- TWAS), University of Karachi, Karachi, Pakistan from Mar, 2023 till now.
- Assistant Professor in Botany Department, Faculty of Science and Technology, Omdurman Islamic University (Part time), from May, 2021 till now.
- Assistant Professor in Botany Department, Faculty of Science, Sudan University of Science and Technology (Part time), from May, 2021 to May 2022.
- Assistant Professor in Crop production department, Faculty of Science, Al-zaiem Alazhari University (Part-time), from July 2021 to July 2022.
- Lecturer in Department of Microbiology, Faculty of Pure and Applied Science, International University of Africa from Sep 2014 to Mar 2021.
- Lecturer in the Department of Botany – Faculty of Science, Sudan University of Science and Technology (Part-time) Dec 2016 to Jan 2021.
- Lecturer in the Department of Botany, Faculty of Science and Technology, Omdurman Islamic University from Nov 2012 to Dec 2015
- Teaching assistant of Botany department, Faculty of Science and Technology, Omdurman Islamic University, from Oct, 2009 to Mar 2012.
- Researcher collaborator - Institute Research of Medicinal and Aromatic Plants - National Research Center - Ministry of Higher Education and Scientific Research, Sudan, from Aug, 2009 to Feb 2013.

Participation in conferences and training courses

- Participated in International conference on **Microbiology and Applications**, Faculty of Pure and Applied Sciences, International University of Africa, Khartoum. Sudan. Apr, 2017.
- Participated in International conference on **chemical science and application**, Natural science publishing – Arab Academy for Science and Technology and maritime transport - Alex. Egypt. Aug 2016.
- Participated in the training course for writing and publishing scientific thesis and research papers, Institute of Natural Sciences, Ministry of Higher Education, Jan 2018.
- Participated in the training course for Bioinformatics, Quality and performance promotion administration, International University of Africa, April 2016.
- Participated in the training course on Research proposal, writing scientific articles and writing thesis, Quality and performance promotion administration, International University of Africa, Nov 2016.
- Participated in the training course on Molecular Biology, Quality and performance promotion administration, International University of Africa, Jan 2016.
- Participated in a training course on environmental science - at Omdurman Islamic University, Jun 2013.
- Participated in a training course on Molecular Biology and Bioinformatics (Basic, advanced and Research), seventh vision scientific training center, Oct 2014.

Publications:

- **Ahmed A. Elshikh**, Mawahib E. Elnour, Hatil H. Elkamali, Abdelrahim A. Elbalola and Mohamed Garbi, 2023. *In-vitro* Investigation of Anti-Parasite, Anti-Oxidant Activities, Cytotoxicity and GC/MS analysis of Ethanolic Extracts for *Rhynchosia memnonia* var. *memnonia* and *Sonchus oleraceus* used in Sudanese Ethnomedicine. *ChemistrySelect*, 8 (12), p.e202204036.
- **Ahmed A. Elshikh**, Mawahib E. Elnour, Hatil H. Elkamali and Ahmed S. Kabbashi. 2021. *In-vitro* Testing of Antioxidant, Anti-Parasite Activities, Cytotoxicity, and Chemical Evaluation of *Abutilon Pannosum* and *Cassia Occidentalis* Ethanolic Extracts. *Annual Research & Review in Biology*, 36(9) pp.112-121.
- Abdelrahim A. Elbalola, Ibrahim, S. Yousef and **Ahmed A. Elshikh.**, 2021. Correlations between Some Vegetation Attributes and Soil Physicochemical Properties at Selected Wet Season Grazing Sites Central Sudan. *Journal of Rangeland Science*, 11(3), pp.308-320.
- **Ahmed A. Elshikh**, Nour B, Sawadogo L, Imtenan M. Musa, Fathi. M. Zoelnoun, Suliman A. G. Nasir, 2021, GCMS profiling and Antioxidant activity of *Carum carvi* and *Pimpinella anisum* used in Sudanese Ethnomedicine. *Journal of The Faculty of Science and Technology, Omdurman Islamic University*, (8), pp.67-73.
- Elbadri Elamin Osman, **Ahmed Abdelhafiz Elshikh**, Mohamed Ismail Garbi, Ali Mohamed Badri and Ahmed Saeed Kabbashi, Bashir Elteгани, Mubarak Siddig Hamad, Ayat Ahmed Abdalrahman, Mahmoud M. Dahab and Waleed S. Koko, 2021, Review of Sudanese Medicinal Plants Screened for Antidiabetic Activity, *Diabetes & Endocrinology Research*, 1(1): 1 – 11.
- Abdelrahim A. Elbalola, Ibrahim, S. Yousef and **Ahmed A. Elshikh**, 2020, Current Status of Plant Species Diversity and Change in Species Composition at Selected Communal Lands Within the Semi-Arid Zone of Sudan, *Indian Journal of Plant Sciences*, 9, 61-70.
- Mohamed M Hassan, Mohamed A Hussain, Sumaya Kambal, **Ahmed A Elshikh**, Osama R Gendeel, Siddig A Ahmed, Rami A Altayeb, Abdelhafiz MA Muhajir and Sofia B Mohamed, 2020, NeoCoV is closer to MERS-CoV than SARS-CoV. *Infectious Diseases: Research and Treatment*, 13, p.1178633720930711.
- Abubker O. Babiker, Areeg A. Abdelwakeel, Ibrahim F. Ahmed, **Ahmed A. Elshikh**, 2019, Identification and Authentication of Microbes Causing Urinary Tract Infection and Detection of Antibacterial Activity for Methanolic Extract of *Senna alexanderina* against these Pathogenic Bacteria in Khartoum State, Sudan. *Current Perspectives on Medicinal and Aromatic Plants (CUPMAP)*, 2(2), pp.93-99.
- Ibrahim F Ahmed and **Ahmed A Elshikh**, 2019, Invitro Evaluation of Antimicrobial Activity and Phytochemical Investigation of Crude Extract from Selected Sudanese Medicinal Plants. *Journal of Alternative and Complementary Medicine*, 10(4), pp.1-5.
- Mohamed Ismail Garbi, Ahmed Saeed Kabbashi, **Ahmed Abdelhafiz Elshikh**, 2019. Bacteriostatic Effect of *Anogeissus leicarpus* Methanolic Leaves Extract, *Research and Advances in Pharmacy and Life Sciences*, 2.
- Nagat. **A.** Elrofaei, Ahmed A. Elshikh, Kauther H. Elsharif and Ibrahim F. Ahmed, 2018. Antimicrobial activity and Phytochemical screening on some Sudanese medicinal plants ethanolic extracts against Selected Human Pathogens. *Asian Journal of Microbiology and Biotechnology*, 3(3) pp.111-116.
- Elrofaei, N.A., Elsharif, K.H., **Elshikh, A.A.**, Bashir, M.E., Ahmed, I.F., Garbi, M.I., Kabbashi, A.S. and Saleh, M.S., 2018. Studies on antibacterial activity of some medicinal plants against selected bacterial strain, *Journal of Antimicrobial Agents*, 4(2).
- Adam B. Ambursa, Kioko I. Mohammed, **Ahmed A. Elshikh**, Emad A. Belal, Abubker O. Babiker, Ahmed S. Kabbashi, Mohamed I. Garbi, El-badri E. Osman, Ibrahim F. Ahmed and Monier N. Hemidan, 2018, *In vitro* evaluation of antimicrobial, anti-gardia activities and phytochemical screening of *Heliotropium sudanicum* used in traditional medicine, *Academia Journal of Microbiology Research* 6(7): 028-032.
- Mohamed Ismail Garbi, Ahmed Saeed Kabbashi, El-Badri Elamin Osman, Waleed Sayed Koko,

Mahmoud Mohammed Dahab and **Ahmed Abdelhafiz Elshikh**, 2018, In Vitro gardicidal and amoebicidal activity of Anogeissus leicarpus leaves extracts, Horticulture International Journal, 2(5):232–235.

- Habiballah A Elbashir, Elnaeim E Mubarak, Ahmed S Kabbashi, Mohamed I Garbi and **Ahmed A Elshikh**, 2018, *In-vitro* Antimicrobial Activity Phytochemical and Cytotoxicity of Methanolic Fruits Extract of *Capsicum frutescent*, Food & Health Convergence, 4(4), pp.10-17.
- **Ahmed A. Elshikh**, Mohamed I. Garbi, Ahmed S. Kabbashi, Omer A. Ishag, Awadalla B. Omer and Mahmoud M. Ali, 2018, Detection of Alkaloid for 26 Plants Used in Ethnoveterinary Medicine in Sudan, Journal of Biotechnology Research, 4(5): 19-28.
- Ahmed S. Kabbashi, El-badri E. Osman, Mohamed I. Garbi, Ibrahim F. Ahmed, Mahmmoud S. Saleh, Ali M. Badri, **Ahmed A. Elshikh**, Nadir Abuzeid, Waleed S. Koko and Mahmoud M. Dahab, 2017, In Vitro Antiprotozoal Activities and Cytotoxicity of Selected Sudanese Medicinal Plants, International Journal of Biomedical Engineering and Clinical Science, 3(2): 6-13.
- Mohamed I Garbi, Suha F Mohammed, Amira A Magzoub, Reel M Hassabelrasoul, Mahmmoud S Saleh, Ali M Badri, Ibrahim T Ibrahim, **Ahmed A. Elshikh** and Ahmed S Kabbashi, 2017, In vitro anti-inflammatory properties of methanolic extract of *Hibiscus sabdariffa* flowers, International Journal of Home Science 2017, 3(1): 234-237.
- Hajir B. Abdllha, Alaa I. Mohamed, Khansa A. Almoniem, Naga I. Adam, Wdeea Alhaadi, **Ahmed A. Elshikh**, Ahmed J. Ali, Ismail G. Makuar, Anas M. Elnazeer, Nagat A. Elrofaei, Samir F. Abdelfatah and Monier N. Hemidan, 2016, Evolution of Antimicrobial, Antioxidant Potentials and Phytochemical Studies of Three Solvent Extracts of Five Species from *Acacia* Used in Sudanese Ethnomedicine, Advances in Microbiology, 6, 691-698.
- **Ahmed A. Elshikh**, Abdelraheem M. Ali, Fathi M. Zoelnoun, Nagat A. Elrofaei, Samir F. Abdelfatah, Ishaq M. Ishaq, Babiker M. Ahmed, Abdelwahab I. Ateem and Mohammed I. Yassin, 2016, In vitro Evaluation of Antifungal Activity of *Leptadenia arborea* against caused to *tinea capitis*, IOSR Journal of Pharmacy and Biological Sciences, 11(2): PP 20-22.
- Mohamed I. Garbi, Mahmmoud S. Saleh, Ali M. Badri, Ibrahim T. Ibrahim, Suha F. Mohammed, Muddathir S. Alhassan, **Ahmed A. Elshikh** and Ahmed S. Kabbashi, 2016, Antibacterial activity, phytochemical screening and cytotoxicity of *Hibiscus sabdariffa* (calyx), Advancement in Medicinal Plant Research, 4(4), pp. 116-121.
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- Hatil. H. ELkamali and **Ahmed. A. Elshikh**, 2015, Ethnoveterinary Plants Used In Khartoum State, Sudan, International Journal Of Current Research, 7(7), pp.17697-17701.
- Omer M. Eltayeb, Mosab I. Jobara, Mohamed A. Mohamed, Ali M. Masaad, **Ahmed A. Elshikh**, Nagat A. Elrofaei, Alsiddig O. Ahmed, Eltayeb F. FadulAlla and Asaad Kh. Mohamed, 2015, *In vitro* Evaluation of Antimicrobial, Antioxidant activities and Phytochemical Screening of *Quercus infectoria* (galls) used in Traditional Medicine, Current Research in Microbiology and Biotechnology, 3(2): 595-599.