

**Faculty of Pharmacy**  
**Department of Pharmacognosy**



## **1. Personal Details**

### **1.1. Personal definition**

<b>Name</b>	Wadah Jamal Ahmed Osman
<b>Date of Birth</b>	2/7/1980
<b>Place of Birth</b>	Khartoum
<b>Gender</b>	Male
<b>Marital Status</b>	Married
<b>Nationality</b>	Sudanese
<b>Academic position</b>	Assistant professor of Pharmacognosy and former Deputy Dean for academic affairs, Faculty of Pharmacy, University of Khartoum
<b>Department</b>	Pharmacognosy
<b>Faculty</b>	Pharmacy
<b>E. mail</b>	<a href="mailto:wadahj@yahoo.com">wadahj@yahoo.com</a> , <a href="mailto:w.osman@psau.edu.sa">w.osman@psau.edu.sa</a>
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## **1.2. FIELD OF WORK**

1. Establish Systemic and broad-based evaluation of a large number of ethno-medicinally plants for their biological activities.
2. Carry different Pharmacological and Toxicological evaluation for selected medicinal plants.
3. Carry Bioassay directed phytochemical investigation and on promising medicinal plants.
4. Documentation of traditional medicine practice, monograph development and quality standards for Phytomedicine.
5. Data basis for Sudanese medicinal plant.
6. Efficacy and safety assessment of drugs and medicinal plant products

### **1.3 SPECIAL INTEREST**

Isolation and Structure Determination of phytoconstituents having promising biological activities

### **2. Academic Qualifications**

<b>Degree</b>	<b>Institution</b>	<b>Country</b>	<b>Date</b>
BSc.Pharmacy(second upper degree)	University of Khartoum	Sudan	1998 – 2003
MSc.Pharmacy (Pharmacognosy)	King Saud University – Saudi Arabia	Saudi Arabia	2009 – 2012
PhD, Pharmacognosy and Phytochemistry	University of Khartoum	Sudan	2014-2018

### **3. ACADEMIC APPOINTMENTS EXPERIENCE INCLUDING INDICATIONS of External Recognition**

<b>Position/Title</b>	<b>Institution/ country</b>	<b>Date</b>
Assistant Professor	Faculty of Pharmacy, PSAU	2022-todate
Assistant Professor	Faculty of Pharmacy, UOf K	2018-todate
Lecturer of Pharmacognosy	Faculty of Pharmacy, UOf K	2013-2018
Teaching assistant	Faculty of Pharmacy, UOf K	2006-2012
Deputy Dean for academic affairs	Faculty of Pharmacy, UOf K	2018-todate
Head Department of Pharmacognosy	Faculty of Pharmacy, UOf K	2013 – 2016
Secretary of the research Board,	Faculty of Pharmacy, UOf K	2018-todate
Member of Academic Committee for Curriculum Reform	Faculty of Pharmacy, UOf K	2014-2016

### **4. SPECIALISED/ PROFESSIONAL TRAINING**

<b>Training</b>	<b>Institution / Country</b>	<b>Date</b>
Houseman training course, Contentious Pharmacist Development	Ministry of Health, Sudan	2005
Technology Assisted Medical Research Workshop	Education Development center for Health Profession, Faculty of medicine, University of Khartoum	2016

### **5. SCHOLARSHIPS, Awards, Honours and Distinctions**

#### **5.1. Scholarships**

<b>Awarding Body</b>	<b>Country</b>	<b>Date</b>
The program of Attracting outstanding Researchers	King Saud University, KSA	2008-2012
Ministry of Higher Education and Scientific Research	Sudan	2014-2018

## 5.2. AWARDS

Award	Awarding Body	Country	Date
University of Khartoum Awards for scientific research	University of Khartoum	Sudan	2019

## 6. PROFESSIONAL COURSES & WORKSHOPS ATTENDED

Training Course/ Workshop	Body	Country	Date
Advanced separation techniques	King Saud University,	Saudi Arabia	2008
Research Methodologies	King Saud University,	Saudi Arabia	2008
Analytical Pharmacognosy	King Saud University,	Saudi Arabia	2009
Reagents in natural products chemistry	King Saud University,	Saudi Arabia	2009
Structure Elucidation of natural products	King Saud University,	Saudi Arabia	2010
Biosynthesis of medicinal plant constituents	King Saud University,	Saudi Arabia	2010
Computer Application in the study of natural products	King Saud University,	Saudi Arabia	2011
Workshop, Approval of General Policy of Traditional and Herbal Medicine	General Directorate of Pharmacy, Federal Ministry of Health	Sudan	2017

## 7. COURSES & WORKSHOPS ATTENDED IN EDUCATION

Training Workshop	Course/	Body	Date
Basic course on Academic Counselling		Khartoum University Center For Advance Training	2017
Basic course on Measurement and Evaluation		Khartoum University Center For Advance Training	2017
Basic course on Basics of Scientific Research& Scientific Writing (Medical & Health Sector)		Khartoum University Center For Advance Training	2017

## 8. TEACHING & EXAMINATION EXPERIENCE

### a) Teaching Responsibilities for this Academic year and last Academic year

**This year 2018-2019**

#### i) Undergraduate

Course Title	Credit hours	Semester/year	Curriculum year
Pharmaceutical Botany	3 (2+1)	First year (semester 1)	2018-2019
Pharmacognosy-1	3 (2+1)	First year (semester 2)	2018-2019
Pharmacognosy-2	3 (2+1)	Second year (semester 1)	2018-2019

#### ii) Postgraduate (Faculty of Veterinary Medicine)

Course Title	Credit hours	Semester/year	Curriculum year
Ethnopharmacology	3 (2+1)	Semester 1	2016-2017

**b) Summary of Teaching Responsibilities in the two Academic years prior to a) above**

**i) Undergraduate**

<b>Course Title</b>	<b>Credit hours</b>	<b>Semester/year</b>	<b>Faculty</b>
Phytochemistry (Extraction and chromatography)	3 (2+1)	Third Year/2016-2017	Pharmacy/University of Khartoum
Pharmacognosy	3 (2+1)	Second Year/2016-2017	Pharmacy/University of Khartoum
Phytochemistry (Terpenoids)	3 (2+1)	Fourth Year/2016-2017	Pharmacy/University of Khartoum

**ii) Postgraduate**

<b>Course Title</b>	<b>Credit hours</b>	<b>Semester/year</b>	<b>Faculty</b>
Ethnopharmacology	3 (2+1)	Semester 1	2016-2017/2015-2016

**c) Examinations**

**i) Undergraduate**

<b>Status</b>	<b>Course Title</b>	<b>Faculty</b>	<b>University</b>	<b>Date</b>
Assistant professor	Phytochemistry (Extraction and chromatography)	Pharmacy	Khartoum	2013-2020
Assistant professor	Phytochemistry (Alkaloids)	Pharmacy	Khartoum	2013-2020
Assistant professor	Phytochemistry (Glycosides)	Pharmacy	Khartoum	2013-2020
Assistant	Phytochemistry	Pharmacy	Khartoum	2013-

professor	(Terpenoids)			2020
Assistant professor (External)	Phytochemistry and Pharmacognosy	Pharmacy	International Sudan University	2018
Assistant professor (External)	Phytochemistry and Pharmacognosy	Pharmacy	Ibn Sina University	2018
Lecturer	Pharmacognosy	Pharmacy	Omdurman Islamic University	2013-2017

## ii) Postgraduate

Status	Course Title	Faculty	University	Date
Assistant professor	Clinical Pharmacy Program	Pharmacy	Khartoum	2018-2020

## 9) ADMINISTRATIVE & PROFESSIONAL RESPONSIBILITIES & ACTIVITIES

### i) ADMINISTRATIVE RESPONSIBILITIES

Date	Position
2013-2016	Head Department of Pharmacognosy, Faculty of Pharmacy
2018-2012	Deputy Dean for academic affairs, Faculty of Pharmacy
April 2019-August 2019	Acting Dean Faculty of Pharmacy, University of Khartoum
2015 to date	Supervisor, Pharmacy Student's Association, Faculty of Pharmacy, University of Khartoum (Uof K).
2013 to date	Member of the Faculty Board. Faculty of pharmacy, Uof K
2018 to date	Secretary of the research Board, Faculty of Pharmacy, University of Khartoum
2014-2016	Member of Academic Committee for Curriculum Reform, Faculty of

	Pharmacy, University of Khartoum.
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### iii) SERVICE ACTIVITIES/ PUBLIC PROFESSIONAL RESPONSIBILITIES & ACTIVITIES

Date	Activity
2016	Member, Policy development committee of Sudan national traditional and herbal medicine policy
2016 to date	Member, technical committee of drugs and cosmetics, Sudanese Standards and Metrology Organization, Sudan
2017 to date	Member, technical committee of cosmetics, National Medicines and Poisons Board, Federal Ministry of Health- Sudan
2015	Member scientific committee, Continuing Professional Development Centre, National medical supplies fund, Sudan
2018- to date	Member, Examination and Awards committee, Faculty of pharmacy, University of Khartoum
2018 to date	Member, Committee responsible for the selection of the students for Master in Clinical Pharmacy Program, Faculty of pharmacy, University of Khartoum
2018 to date	Member, Committee For evaluating and examining thesis for partial fulfilment of Master Degree in Clinical Pharmacy, Faculty of pharmacy, University of Khartoum.
2013 to date	Member, admission and registration committee, Faculty of Pharmacy, University of Khartoum
2016	Member, the Golden Jubilee's committees, faculty of pharmacy, Uof K
2019 to date	Member, Herbal drugs and Dietary supplements committee, National Medicines and Poisons Board, Federal Ministry of Health- Sudan
2019 to date	Reviewer, Africa International Journal of Pharmaceutical Sciences (AIJPS)
2014	Reviewer, Advance journal of Pharmacie and Life Science Research
2020 to date	Assistant Editor and Reviewer, Khartoum Journal of Pharmaceutical Sciences (KJPS)

### iv) OTHER ACTIVITIES (International conference and research visits)

Date	Activity
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2018	Visiting researcher, Florida Agricultural and Mechanical University, <b>United states of America (USA)</b>
2017	Post graduate researcher, Bioactive Natural Product Laboratory, Faculty of pharmacy, department of Pharmacognosy, Jamia Hamdard University, <b>India</b>
2008-2012	Post graduate researcher, Department of Pharmacognosy- faculty of pharmacy, King Saud University, KSA

## 10) MEMBERSHIP

### i) LOCAL

Status	Association/ Society	Town//Country	Date
Member	The Sudan Medical Council (Specialist)	Sudan	2018
Member	The Sudan Medical Council (Full)	Sudan	2006
Member	Sudanese pharmacists Union.	Sudan	2005 to date

### ii) REGIONAL

Status	Association/ Society	Town/Country	Date

### iii) INTERNATIONAL

Status	Association/ Society	Town/Country	Date
Member	Society for Ethnopharmacology	India	2017

## 11) ORGANIZATION OF SCIENTIFIC CONFERENCES, MEETINGS & SYMPOSIA

Status	Seminar/ meeting/ conference/ Public Lecture	Country	Date
Assistant Professor	Different session held during 15th Symposium of the Natural Products Research, Network for Eastern and Central Africa (NAPRECA)	Sudan	2013
Assistant	<sup>6</sup> the Annual post graduate conference	Sudan	2015

Professor	(Medical and Health science)		
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## 12) Research and related administration

### a) SUPERVISION OF RESEARCH WORK

#### i) Undergraduate (External Supervisor and /or Examiner)

Student Name	Thesis Title	Faculty	University	Date
Fatima Borai Ezaldeen	Anti- Oxidant activity and phytochemical Screening of <i>Allium Sativum</i> (Garlic)	Pharmacy	International University of Africa	2015
Abdusamad Idris Maab Adam Sondos ASalah	The effect of Combination between extracts of <i>Cymbopogon proximus</i> and ciprofloxacin against causative agents of urinary tract infections	Pharmacy	International University of Africa	2019
Ebtihal Elzobeir Mohamed Tuga Salah	Anti-inflammatory Activity and phytochemical Screening of <i>Petroselinum Crispum</i>	Pharmacy	International University of Africa	2019

#### ii) Postgraduate Supervision (Higher Research Degrees)

##### 1) Master

###### (i) (Fulfilment Research Thesis)

Student Name	Thesis Title	University	Date

###### (ii) (Partial Fulfilment Research Thesis, Supervisor and /or Examiner)

Thesis	student	University	Date
Prescriber's Perceptions about Sudan Malaria Treatment Protocol 2017	Khnsaa Abd Allah Mohammed Osman	Khartoum	2019

Current status of Mycetoma Management at Mycetoma Research Center (MRC)in Sudan	Esraa Abdelgadir Musa Mohammed	<b>Khartoum</b>	<b>2019</b>
Description of Pattern of medications use among pregnant women in third trimester in Khartoum/Sudan	Hiba Tallall Eltieb Gusm	<b>Khartoum</b>	<b>2019</b>
Prevalence and Attitude Towards self-medication among postgraduate students at medical and health faculties in University of Khartoum	Hajir Amin Aldow	<b>Khartoum</b>	<b>2019</b>
Assessment of Practice and adherence to international guidelines for management of Post- cataract Surgery inflammation in Sudan Eye center 2019	Malaz Elhassan Babiker Mohammed	<b>Khartoum</b>	<b>2019</b>
Assessment of management of cancer patients with co-morbidities in Khartoum Oncology Hospital	Mariana Mouneer Fouad Shanooda	<b>Khartoum</b>	<b>2019</b>
Assessment of knowledge and Practice of physicians towards guillian Barre Syndrome management At Soba University Hospital	Mawada AbdElrahman Mohammed Abuhiss	<b>Khartoum</b>	<b>2019</b>
Assessment of the knowledge of the physicians in the treatment of nausea and Vomiting in pregnant women in Saad Aboulela hospital and Aldmazin Gynecological and Obstetrical hospital	Mohamed Ahmed Abdelrahim Shakratalla	<b>Khartoum</b>	<b>2019</b>
Bacteriological profile and Antibiotic Successpt abiliily of Diabetic Foot infections in Ribat University hospital 2019	Maram Haj Aldow Hammid	<b>Khartoum</b>	<b>2019</b>
Assessment of knowledge, attitude and practice of community pharmacists about allergic rhinitis and its managements	Islam Abdelhafize	<b>Khartoum</b>	<b>2018</b>

## 2) PhD (Co-supervision)

Student	Thesis Title	University	Date
Abdalla Abdwahab	Bio-guided fractionation and characterization of some Sudanese medicinal plant extracts for Antileishmanial activity	Khartoum	2019

## (13) Articles in Journals

### Authors, title, journal, date, issue no, pages, Journal impact factor

**1.** Mohamed Mirghani, Hassan S. Khalid, Mona S. Mohammed, Ahmed Babiker Mohamed, Amna Ali, **Wadah Osman**, Ramzi A. Mothana. Hepatoprotective and free radical scavenging Activities of Methanol Extract fractions of *Capparis decidua* Edgew (Forssk.). (Capparidaceae). **African Journal of Pharmacy and Pharmacology**, August 2020. (Degree of contribution= 50 %)

Available <https://academicjournals.org/journal/AJPP/article-abstract/BA6F65E64759>

**Indexed in SCOPUS (2009-2011)**

**2.** Mohamed Mirghani, **Wadah Osman**, Elrashied A. E. Garelnabi, Mona Salih Mohammed and Osama H.A. Ali. *Pulicaria crispa* (Forssk) Oliv: A Review of Ethnopharmacology, Phytochemistry and Biological Activities. **Khartoum Journal of Pharmaceutical Sciences**. Volume 2020, Issue (1).1 September 2020. (Degree of contribution= 60 %)

Available <http://onlinejournals.uofk.edu/index.php/KJPS/article/view/2772>

**3.** **Wadah Osman**, Esraa M. O. A. Ismail, Shaza W. Shantier, Mona Mohammed, Ramzi A. Mothana, Abdelkhalig Muddathir and Hassan S. Khalid. In silico assessment of potential leads identified from *Bauhinia rufescens* Lam. as  $\alpha$ -glucosidase and  $\alpha$ -amylase inhibitors. **Journal of Receptors and Signal Transduction**, 27 Jul 2020. (Degree of contribution= 70 %)

Available

<https://www.tandfonline.com/doi/abs/10.1080/10799893.2020.1800734>

**Indexed in SCOPUS, Web of science (Impact Factor1.466) and PubMed/Medline**

**4.** Nazik Salih Mohamed, Mona Salih Mohamed, Ramzi Ahmed Mothana, **Wadah Jamal Osman** and Hassan Subky Khalid, HPTLC fingerprint profiles and UPLC-MS identification of potential antioxidant fractions and compounds from *Ambrosia maritima* L. and *Ammi majus* L., **African Journal of Biotechnology**, Vol. 19(5), pp.249-258, May, 2020. (**Degree of contribution= 30 %**)

Available <https://academicjournals.org/journal/AJB/article-full-text-pdf/A29CEB263684>

**Indexed in SCOPUS (2002-2011)**

**5.** Wadah Osman, Mona S Mohammed,1 Hassan S Khalid, Abdelkhalig Muddathir, Shaza W. Shantier, Bashier Osman, and Iman Abdoon, HPTLC Fingerprint Profile and Identification of Antidiabetic and Antioxidant Leads from *Bauhinia rufescens* L, **Advances in Pharmacological and Pharmaceutical Sciences**, Volume 2020. (**Degree of contribution= 90 %**). Available <https://www.hindawi.com/journals/aps/2020/3201463>

**Indexed in SCOPUS (Cite Score= 4.00), Web of science and PubMed**

**6.** 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**, Vol. 19(4), pp.207-214, April, 2020. (**Degree of contribution= 30 %**)

Available <https://academicjournals.org/journal/AJB/article-abstract/4D6299663473>

**Indexed in SCOPUS (2002-2011)**

**7.** Husamuldeen S. M. Saeed, Bashier Osman, Tarig Muhammed H. El-Hadiyah, Mona S. Mohamed, **Wadah J. A. Osman**, Iman H. Abdoon1 and Ramzi A. Mothana, Date Palm Pollen Grains as a Potential Manager for Male Sub-fertility: A Clinical Trial, **Journal of Pharmaceutical Research International**, 32(6): 83-95, 2020. (**Degree of contribution= 20 %**).Available <https://www.journaljpri.com/index.php/JPRI/article/view/30451>

**Indexed in Web of science (Emerging Sources Citation Index)**

**8.** Abdalla EA, Abdoon IH, Osman B, **Osman WJA**, Mohamed EM. Perception of medication errors' causes and reporting among Sudanese nurses in teaching hospitals, **Applied Nursing Research**. 2019 Oct 23:151207. doi: 10.1016/j.apnr.2019.151207. (Degree of contribution= 20 %)

Available <https://pesquisa.bvsalud.org/portal/resource/pt/mdl-31676299>

Indexed in SCOPUS (Cite Score= 3.00), Web of science (Impact Factor = 1.612) and PubMed/Medline

**9.** Iman H Abdoon, Bushra Parveen, Bashier Osman, Mona S Mohamed, **Wadah JA Osman**, Sayeed Ahmad, Immunomodulatory Effect of *Leptadenia arborea* in Immune-challenged Rats. **Indian Journal of Pharmaceutical Education and Research** | Vol 53 | Issue 4 | Oct-Dec, 2019. (Degree of contribution= 30 %)

Available <http://ijper.org/article/1109>

Impact Factor® as reported in the 2019 Journal Citation Reports® (Clarivate Analytics, 2020): 0.501

**Indexed in Web of science (Science Citation Index Expand) and SCOPUS**

**10.** **Wadah Osman**, Mohammad Ibrahim, Mohammed Adam, Ramzi Mothana, Mona Mohammed, Iman Abdoon, Omer Basudan, Elrashied Garelnab, Hayat Mohamed, Bashier Osman, Sayeed Ahmad. Isolation and characterization of four terpenoid compounds with potential antimicrobial activity from *Tarconanthus camphoratus* L. (Asteraceae). **Journal of pharmacy and bioallied science**, 11(4):373-376, 2019. (Degree of contribution= 90 %)

Available <https://pubmed.ncbi.nlm.nih.gov/31619920/>

Indexed in DOAJ, Emerging Sources Citation Index, PubMed Central, Scimago Journal Ranking, SCOPUS, Web of Science

**11.** Mazen Taha, Bushra Parveen, Bashier Osman, Iman H. Abdoon, Mona S. Mohamed, **Wadah J.A. Osman** and Sayeed Ahmad. In vitro profiling of plants used in Sudanese traditional medicine for antioxidant and anti-breast cancer activities. **Annals of phytomedicine**,

8(1):1-8, 2019. (Degree of contribution= 40 %)

Available [http://www.ukaaazpublications.com/publications/wp-content/uploads/2019/07/vol8-no1/Sayeed%20Ahmad%20\(119-126\).pdf](http://www.ukaaazpublications.com/publications/wp-content/uploads/2019/07/vol8-no1/Sayeed%20Ahmad%20(119-126).pdf)

**12.** Mohamed Mirghani, **Wadah J. A. Osman**, Shereen Omer Abdalgaffar, Amna Ali, Mahgoub Sharif Eltohami. Invitro antioxidant activity of a flavonoid compound isolated from methanolic extract of *Helianthus annuus* leaves (Asteraceae). **Der Pharmacia Lettre**, 2017, 9[6]:28-34. (Degree of contribution= 30 %)

Available <https://jprsolutions.info/files/final-file-5b3f7cf7145f95.57770669.pdf>

**13.** Amina I. Dirar, Magdi A. Mohamed, **Wadah J. A. Osman**, Haidar Abdalgadir and Hassan S. Khalid. A Phytopharmacological Review on Four Antitumor Medicinal Plants Grown in Sudan, **American Journal of Pharmtech Research** (2014). 4(5):28-41. (Degree of contribution= 50 %). Available <http://ajptr.com/archive/volume-4/october-2014-issue-5>

**14.** Mona S. Mohammed, Hassan S. Khalid, **Wadah J.A. Osman** and A. K. Muddathir, A Review on Phytochemical Profile and Biological Activities of Three Anti-Inflammatory Plants used in Sudanese Folkloric Medicine, **American Journal of Pharmtech Research** (2014). 4(4): 1-14. (Degree of contribution= 50 %)

Available <http://ajptr.com/archive/volume-4/august-2014-issue-4>

**15.** Mona Salih Mohammed, Hassan Subki Khalid, **Wadah Jamal Ahmed**, Abelkhalig Muddathir Mahmoud, Elrashied A.E. Garelnabi, Di-(2'-ethylhexyl) phthalate and Stigmasterol with anti-inflammatory effect from *Cyperus rotundus* L, **International journal of Pharmaceutical, chemical and Biological science** (2014). 4(3): 453-459. (Degree of contribution= 40 %)

Available <https://www.ijpcbs.com/files/volume4-3-2014/3.pdf>

**International Scientific Indexing (ISI): 0.544**

**16.** Mona S. Mohammed, **Wadah J.A. Osman**, Zuheir Osman, ElrashiedA.E, Bashier Osman, Hassan S. Khalid, Magdi.A. Alla, Secondary metabolites as anti-inflammatory agents, **Journal of phytopharmacology** (2014). 3(4): 275-285. (Degree of contribution= 60 %)

Available [http://www.phytopharmajournal.com/Vol3\\_Issue4\\_09.pdf](http://www.phytopharmajournal.com/Vol3_Issue4_09.pdf)

**17.** Mona Salih Mohammed, **Wadah Jamal Ahmed**, Elrashied A.E. Garelnabi, Hassan Subki Khalid, Abelkhalig Muddathir Mahmoud, Isolation of Hex-2-ulofuranosyl hexopyranoside and GC-MS profile of different extracts from *Capparis decidua* (Forssk.) **journal of chemical and pharmaceutical Research (2014)**, 6(7):1752-1758. (Degree of contribution= 50 %)

Available <https://www.iocpr.com/articles/isolation-of-hex2ulofuranosyl-hexopyranoside-and-gcms-profile-of-different-extracts-from-capparis-decidua-forssk.pdf>

**SJR(Elsevier) Impact Factor: 0.75 and Indexed in PubMed**

**18.** Amina Ibrahim Dirar, Magdi Awadalla Mohamed, **Wadah Jamal Ahmed**, Mona Salih Mohammed, Hassan Subki Khalid, Elrashied A. E. Garelnabi. Isolation and Characterization of Potential Cytotoxic Leads from *Ambrosia maritima* L. (Asteraceae). **Journal of Pharmacognosy and Phytochemistry (2014)**, 3(4): 38-41. (Degree of contribution= 50 %)

Available

<https://www.phytojournal.com/archives/?year=2014&vol=3&issue=4&ArticleId=410>

**19.** Mohamed Farag, Mona Salih Mohammed, Intisar Foud, **Wadah Jamal Ahmed**, Malik S. Mohamed. The Role of natural products in drug discovery and development. **World Journal of Pharmaceutical Research (Review Article) – (2015)**, 4(3): 22-33. (Degree of contribution= 40 %)

Available [https://wipr.net/dashboard/abstract\\_id/2248](https://wipr.net/dashboard/abstract_id/2248)

**20.** Mohamed Farag, **Wadah Jamal Ahmed**, Intisar Foud, Mona Salih Mohammed. The role of medicinal plants in the treatment of type-2 Diabetes. **Advance journal of Pharmacology and Life Science Research (2014)**, 2(4):1-8. (Degree of contribution= 50 %)

**21.** Dchia E. Elhag, Zuheir Osman, Hind Omer, Saad M. H. Ayoub, Mona. S. Mohammed, **Wadah. J. Ahmed**. Chemical composition, antimicrobial activities and TLC profile of different bark extracts of *Cinnamomum zeylanicum*. **The Pharma Innovation Journal (2015)**, 3(12): 50-53. (Degree of contribution= 30 %)

Available

<https://www.thepharmajournal.com/archives/?year=2015&vol=4&issue=1&ArticleId=511>

**22.** Mona S. Mohammed · Ahmed Al. Mohamed · Omer Basudan, Kamal E.H. El Tahir, Bashier Ibrahim Osman · **Wadah J.A. Osman**. Evaluation of antipyretic, antinociceptives and sedative effects of *Tribulus terrestris*, *Mimosa pigra* and *Alkanna tinctoria* methanolic extracts. **Journal of phytopharmacology** (2016); 5(3): 105-107. (Degree of contribution= 50 %)

Available [http://www.phytopharmajournal.com/Vol5\\_Issue3\\_03.pdf](http://www.phytopharmajournal.com/Vol5_Issue3_03.pdf)

**23.** Soud AAA Jeeb, Mona S Mohammed, Fathelrahman AE, **Wadah Osman** and Hassan S Khalid. Bioactivity-guided isolation of two sesquiterpenes with potential anti-fungal activity from *Citrullus colocynthis* L. (Schard). **Journal of Pharmacognosy and Phytochemistry** 2016; 5(6): 422-425. (Degree of contribution= 30 %)

Available <https://www.phytojournal.com/archives/2016/vol5issue6/PartF/5-6-10-528.pdf>

**24.** Ahmed A. M. Ali, Mona S. Mohammed, **Wadah J. A. Osman**, Ahmed M. Musa. An Overview of Some Sudanese Medicinal Plants having or Expected to have a Potential Antileishmanial Activity. **American Journal of Pharmtech Research** (2017). 7(1): 1-14, (Degree of contribution= 50 %)

Available <http://ajptr.com/archive/volume-7/february-2017-issue-1>

**25.** Magdi A. Mohamed, Amina I. Dirar, Mohamed A. A. Elbadawi, **Wadah J. A. Osman**, Mona S. Mohammed, Sami Hamdoun. In silico assessment of the druggability of two novel germacrolides isolated from *Capparis decidua* (Forsk.) as carbonic anhydrase II inhibitors. **Journal of Applied Pharmaceutical Science.** (2017); 7 (01): 093-097. (Degree of contribution= 50 %)

Available [https://www.japsonline.com/admin/php/uploads/2122\\_pdf.pdf](https://www.japsonline.com/admin/php/uploads/2122_pdf.pdf)

**Indexed in SCOPUS (CiteScore: 1.4)**

**26.** Amina I. Dirar, Ayman Y. **Wadah j A**, Magdi A. Mohamed, Mona S. Mohammed, Sami Hamdoun. In silico pharmacokinetics and molecular docking of three leads isolated from *Tarconanthus camphoratus* L. **International Journal of Pharmacy and Pharmaceutical Sciences** (2016). 8(5):71-77. (Degree of contribution= 40 %)

Available <https://innovareacademics.in/journals/index.php/ijpps/article/view/10528/4741>

**Indexed in SCOPUS** (up to 2016), Google Scholar, Elsevier products (EBSCO and

EMBASE) and CASSI (American Chemical Society)

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39. Taha H. Musa \*, Idriss H. Musa, **Wadah Osman**, Michael C. Campbell, Hassan H. Musa. A bibliometric analysis of global scientific research output on Gum Arabic, Bioactive. **Carbohydrates and Dietary Fibre** 25 (2021) 100254.

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**Indexed in SCOPUS (Cite score 5.3)**

**(14) Articles in conference proceedings**

<b>Authors, title, conference, date, issue no, pages, place</b>
1-In silico pharmacokinetics and molecular docking of three leads isolated from <i>Tarconanthus camphoratus L.</i> , International conference on medicinal and pharmaceutical chemistry, 2016, <b>Dubai, UAE</b>
Effect of some plants' extracts used in Sudanese folkloric medicine on carrageenan-induced inflammation. The 15th symposium of the natural products research network for Eastern and <b>central Africa (NAPRECA), 2013</b>
2-Isolation and characterization of antioxidant and antimicrobial compounds from <i>Tarconanthus camphoratus L.</i> The 15th symposium of the natural products research network for <b>Eastern and central Africa (NAPRECA), 2013, Khartoum, Sudan</b>
3-Phytochemical screening and anti-inflammatory activity of some plants used in Sudanese folkloric medicine. 6 <sup>th</sup> Annual Post-graduate Conference ( <b>Medical and Health Sciences</b> ), <b>2015, Khartoum-Sudan</b>

## **15) Forthcoming publication**

<b>Authors, title, journal, date, issue no, pages, Journal impact factor</b>
1-Taha H Musa, Idriss H Musa, Wadah Osman, Muchael C campbell, Hassan H Musa. A bibliometric analysis of global scientific research output On Gum Arabic, (Accepted for publication in <b>Bioactive carbohydrates and Dietary Fibre</b> , 13/11/2020). (Degree of contribution= 20 %)
<b>Indexed in Scopus (cite score 3.7).</b>
2- In Vitro Free Radical Scavenging Activity and In Silico Assessment studies of Potential Xanthine Oxidase Inhibitors from <i>Ambrosia maritima L.</i> (Under submission)
3- Morphological Study of <i>Vachellia nilotica (L.)</i> P.J.H. Hurter & Mabb. and ( <i>Acacia</i>

*nilotica* (L.) Willd. ex Delile) in Sudan: significance roles of the study in taxonomy and classification of this species. (Under submission)

## **16) Future plans**

- 1- Involve in community Based research related to use of Traditional Medicine
- 2-Contributes in governmental committees' concern with development of drugs from natural sources.
- 3- To Develop teaching and Education capability by utilizing new learning techniques