

C. V.

Malik Suliman Mohamed Mustafa

Associate Professor of Pharmaceutical Microbiology and Biotechnology

Faculty of Pharmacy University of Khartoum, P.O. Box 1996, Sudan

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Personal Information:

Date of birth: 1975

Nationality: Sudanese

Marital status: Married

Education:

- 2012-Sept. Ph.D. in Pharmaceutical Sciences, Nagasaki University, Japan
Thesis title: Characterization of bacterial oligopeptidase B. The project was funded by: (Monbukagakusho Scholarship) Ministry of Education, Culture, Sports, Science and Technology of Japan
- 2007-Aug. Master in Pharmacy, University of Khartoum, Sudan
Thesis title: A comparison of Microbiological assay and chemical assay using HPLC or Spectrophotometric assay methods to determine the potency of Macrolide Antibiotics
- 2000-June B-Pharm with honors degree second class division- I, University of Khartoum, Sudan

Work history:

- 2016-date Associate Professor, Department of Pharmaceutics, University of Khartoum
Job responsibilities: Design and deliver a range of study programs at both under- and postgraduate levels. Lead research, innovation and impact at an appropriately benchmarked level.
Manage collaborative partnerships with external bodies. Leading major initiatives and working for the recruitment, management and development of staff and act as a mentor to colleagues

- 2012-2016 Assistant Professor, Department of Pharmaceutics, University of Khartoum
Job responsibilities: Delivering lectures, seminars and tutorials. Writing up research reports, pursuing research and preparing it for publication. Supervising students research activities. Carrying out administrative tasks related to the department and representing the institution at professional conferences and seminars
- 2013-2014 Postdoctoral visiting Research, Graduate School of Biomedical Sciences, Nagasaki University
Job responsibilities: Establishing collaborative link between Nagasaki University and Khartoum University. Using the modern facilities of Nagasaki University for research purpose, continuous professional development and participating in staff training activities.
- 2009-2012 Ph.D. Researcher, Nagasaki University, School of Pharmaceutical, sciences
Job responsibilities: Conducting research, analyzing and interpreting scientific data toward project direction goals, write technical reports and create presentations, junior student mentoring
- 2007-2009 Lecturer of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Khartoum,
Job responsibilities: Delivering lectures, seminars and tutorials. Undertaking personal research projects and actively contributing to the institution's research profile
- 2002-2007 Teaching assistant, Faculty of Pharmacy, University of Khartoum
Job responsibilities: Teaching, advising, assisting and supporting students, closely directed and supervised by the person responsible for the course, module or activity. Increasing the skills of students, through the demonstration of practical equipment, experiments and processes within a laboratory/workshop/classroom setting.
- 2001-2002 Directorate of Pharmacy Blue Nile State, Sudan
Job responsibilities: Providing drug information and education, Developing and managing medication distribution and control systems, Managing pharmacies
- 2000-2001 Hospital pharmacist, Khartoum hospital, Sudan
Job responsibilities: Review medication orders, Preparation and dispensing medications to in-patient and monitoring their response to the medication

Administrative responsibilities:

- 2016 Nov. - now: Deputy Dean, Academic affairs, Faculty of Pharmacy, University of Khartoum
- Job responsibilities:** Managing and organizing all academic activities. Ensuring academic integrity and curricular coherence. Developing a rational and realistic strategic plan which advances the mission of the faculty.
- 2017 Dec. - now: Master of Pharmaceutical biotechnology academic coordinator, Faculty of Pharmacy, University of Khartoum.
- Job responsibilities:** Course planning, design and development, delivery, selection of educational resources, assessment, students' learning outcomes and course evaluation. Academic and administrative support for the graduate program, faculty, and graduate students.
- 2016 – 2017: Board secretary, Department of Pharmaceutics, Faculty of Pharmacy, University of Khartoum
- Job responsibilities:** Organizing department issues, ensuring good environment for teaching, research and supervision, department board meetings, examinations and results. Ensuring a system of student observation and evaluation of faculty occurs systematically, fairly and regularly.
- 2008 – 2009 Coordinator, First Year, Faculty of pharmacy, University of Khartoum
- Job responsibilities:** Ensuring availability of all resources and facilities for teaching, research and evaluation. Coordinating activities pertaining to academic advisement and assessment. Facilitating the student learning environment and engagement opportunities. Ensuring ideal student's advising, consultation and communication.

Teaching experience:

- 2002-2007: Laboratory demonstrator, Department of Pharmaceutics, Faculty of Pharmacy U. of K.
- 2007-2009: Lecturer of Pharmaceutics, microbiology, U. of K.
- 2009-2012: Researcher, team work, junior student mentoring. Nagasaki-University
- 2012-up to date: Pharmaceutical Microbiology, Faculty of Pharmacy U. of K

➤ 2014- date:

- Pharmaceutical Biotechnology course, Master course, Pharmaceutical-technology program, Omdurman Islamic University, Sudan
- Pharmaceutical Biotechnology course, Master course, Pharmaceutical-technology program, University of medical Sciences and Technology, Sudan
- Pharmaceutical Biotechnology course, Undergraduate course , Omdurman Islamic University, Sudan
- Pharmaceutical Biotechnology course, Undergraduate course, University of medical Sciences and Technology, Sudan
- Pharmaceutical-microbiology course, Undergraduate course, Elrazi University, Sudan
- Pharmaceutical-microbiology course, Undergraduate course, Sudan international University, Sudan
- Pharmaceutical Biotechnology course, Undergraduate course, Sudan international University, Sudan

Memberships and Activities:

- Chairman of examination committee, Faculty of Pharmacy, University of Khartoum
- Chairman of the Khartoum Journal of pharmaceutical sciences committee [Establishing a new journal]
- Chairman of electronic attendance committee, Faculty of Pharmacy, University of Khartoum
- Rapporteur of the faculty research board, Faculty of Pharmacy, University of Khartoum
- Member of The Senate of the University of Khartoum
- Member of Ethics research committee, Medical and health faculties, Faculty of medicine, University of Khartoum
- Member of examination and awards committee, Examination and Certificates Directorate, Secretariat for Academic Affairs, University of Khartoum
- Member of the curriculum committee for Bachelor of Pharmacy (Honours) Degree, Faculty of Pharmacy, University of Khartoum
- Member of the committee for acceptance and thesis evaluation, Master in Clinical Pharmacy Program, Faculty of pharmacy, University of Khartoum
- Member of committee for Generic policy development, Sudan 2015
- Member of a committee for development of National Action Plan on Antimicrobial Resistance, Sudan 2017
- Member of Sudanese Pharmacists Union
- Member of Sudan Medical Council

Research Experience:

- I used the techniques of DNA extraction, gene cloning, mutation, DNA sequencing and others necessary for gene-engineering to provide basic insights into the functions and structures of bacterial enzymes. I have cloned several protease enzymes from Gram-negative and Gram-positive bacteria and the expressed enzymes were purified and characterized. I have determined their substrate specificity and some of their physicochemical properties. I discovered that one enzyme couldn't be inhibited by the substrate that normally inhibits the activity of the proteases, while the rest of enzymes showed strong substrate inhibition phenomenon. The data I obtained should be useful to understand the details of substrate binding of some proteases, which may be a drug target for some pathogens.
- I have a practical knowledge of a set of bioinformatics tools used for protein modeling, structure based drug design and molecular docking.
- I had a practical research in identification of bacteria using different biochemical tests; also, I had a good experience in identification of some microorganisms from soil and selection of some strains which may produce more useful antibiotics.
- I have determined the potency of antibiotics in pharmaceutical dosage forms using microbiological analysis in comparison to chemical analysis. The results obtained showed that there was no significant difference between the two methods of assay; and the microbiological assay was satisfactory for the assay of drug in its pharmaceutical dosage form.

Prizes awarded:

- 2000 University of Khartoum prize for the best Academic work in Pharmacology.
- 2000 University of Khartoum prize for the best Academic work in Pharmaceutical Microbiology

Scholarships, postdoctoral fellows:

- 2013-214: Postdoctoral visiting research, Graduate School of Biomedical Science, Faculty of Pharmaceutical Sciences, Nagasaki University, Japan
- 2009-2012: Monbukagakusho Scholarship for PhD study, Embassy recommended, Ministry of Education, Culture, Sports, Science and Technology of Japan
- 2009 Apr-Spt. Research assistant, Faculty of Pharmaceutical Sciences, Nagasaki University, Japan

Courses and trainings:

- 2017-Feb Experimental design, Faculty of Pharmacy, University of Khartoum
- 2017-Jan National Stakeholder Workshop on Antimicrobial Resistance and one Health Approach in Sudan, Gcp/Glo/710/Uk, Sponsored by FAO, WHO and OIE. Grand Holiday Villa, Khartoum, Sudan
- 2016- Dec Biostatistics, EDC, Faculty of Veterinary sciences, University of Khartoum,
- 2016- Nov Research methodology course, EDC, Faculty of Medicine, University of Khartoum
- 2015-Aug Training course of Molecular docking and drug design. JSS college of Pharmacy, JSS University, Ooty, India

Professional services

- 2016-Dec-now Participating in development of National Action Plan on Antimicrobial Resistance, Sudan 2017
- 2015-Nov Participating with WHO for delivering lectures and speaking to media in the International week for raising public awareness about the antibiotic resistance (16-122Nov 2015)
- 2015- Apr-Aug Participating in developing The Generic drug policy for Sudan

Supervision of postgraduate students:

Ph.D. in Progress			
Name of candidate	Thesis title	Program/Place	Year of completion
Mohamed Abdelrahman Hussein Babiker	Assessment of genetic makeup of multidrug resistant Pseudomonas aeruginosa	Faculty of Pharmacy University of Khartoum (Co-Supervisor)	In Progress
M. Pharm. in Progress			
Noha Ahmed Abd Alfadil Ahmed	Isolation and identification of pathogenic bacteria from Sudanese currency	Faculty of Pharmacy University of Khartoum	In Progress
Fu'ad Omar Abbas	Evaluation of preservatives in liquid oral dosage forms	Faculty of Pharmacy University of Khartoum	In Progress

Muhallab Ahmed	Isolation and identification of antimicrobial compounds from plants indigenous in Sudan	Faculty of Pharmacy University of Khartoum (Co-Supervisor)	In Progress
Mohamed Aldaw Alemam	Assessment of bacterial contamination of some Sudanese medicinal plants	Faculty of Pharmacy Omdurman Islamic University	In Progress

Master of clinical Pharmacy by courses Batch 9

Name of candidate	Thesis title	Program/Place	Time
Lina Mohammad Salih Alfki	Resistance to commonly used antibiotics in neonate intensive care unit at Omdurman maternity hospital	Faculty of Pharmacy University of Khartoum	2014-2015
Mayada Abdelrahim Mohamed Ali	Antibiotic prescribing patterns in hemodialysis patients	Faculty of Pharmacy University of Khartoum	2014-2015
Mona Araiby Elfadel Elmahi	Evaluation Of The Knowledge And Practice Of Antiseptics Among Healthcare Providers In Khartoum state	Faculty of Pharmacy University of Khartoum	2014-2015
Islam Alawad Abu Algasim	Assessment of antibiotic resistant <i>Pseudomonas aeruginosa</i> and risk factors among Patients with Diabetic Foot Infection in Jaber Abu Eliz Center	Faculty of Pharmacy University of Khartoum	2014-2015
Noha Mohammed Abdelwahid Omara	Applying the theory of Planned Behavior to pharmacists believes and intentions about antibiotics dispensing	Faculty of Pharmacy University of Khartoum	2014-2015
Tarig Yousif Mohamed Eltayeb	Assessment of Satisfaction and Adherence to Warfarin Treatment at Alshaab Teaching Hospital, Khartoum	Faculty of Pharmacy University of Khartoum	2014-2015
Samy Mohamed Hamed Ahmed el-zaki	Use, Attitudes and Knowledge of Medications Among Pregnant Women At Saad Abu-Ela Hospital	Faculty of Pharmacy University of Khartoum	2014-2015
Rania Salah Abdel Rahiem Mohammed	A study examining HIV Antiretroviral Adherence Counseling and Support in Voluntary Testing Centers	Faculty of Pharmacy University of Khartoum	2014-2015
Najat Mohammed Ali	Determining the prevalence of infectious diseases among blood donors – Ibrahim Malik Hospital Khartoum	Faculty of Pharmacy University of Khartoum	2014-2015

Master of clinical Pharmacy by courses Batch 10

Name of candidate	Thesis title	Program/Place	Time
Ahmed Eisa Saeed Mohamed	A system analysis of pharmacovigilance program in Sudan	Faculty of Pharmacy University of Khartoum	2015-2016
Ahmed Hussaen Emam	Assessment of knowledge and practice	Faculty of Pharmacy	2015-2016

	of community pharmacists to clinical guidelines of insulin use in adults in Khartoum locality	University of Khartoum	
Ahmed Mohammed Ali Hussain Elsaid	Assessment of Knowledge, Attitude and practice of community pharmacist towards common serious food- Drug Interactions	Faculty of Pharmacy University of Khartoum	2015-2016
Amel Mohammed Ahmad Adam Khadam	Incidence of diabetes mellitus, hypertension and infection post renal transplantation in Ahmed Gasim hospital	Faculty of Pharmacy University of Khartoum	2015-2016
Farha Abaker Zakaria Yahia	Evaluation of community pharmacists Knowledge, Attitude and practice towards primary health care services	Faculty of Pharmacy University of Khartoum	2015-2016
Fathi Ahmed Mohammed Amer	Influence of Self- Efficacy And self - care management on outcome of treatment among type2 diabetic patients	Faculty of Pharmacy University of Khartoum	2015-2016
Kamal ElDin Ahmed Khider	Public's Perceptions of community pharmacy practice in karary locality, Khartoum state	Faculty of Pharmacy University of Khartoum	2015-2016
Maha Abd Elmonim Mohammed Ali	Knowledge, attitudes and practice patterns among urologist and nephrologist in the prevention of recurrent renal stones in Khartoum State.	Faculty of Pharmacy University of Khartoum	2015-2016
Neam Mohammed Ali AbdElaleim	Assessment of Prescribers adherence to Basic Hand written Prescription Requirements in Khartoum Bahree city	Faculty of Pharmacy University of Khartoum	2015-2016
Nashwa Mohamed Edris Ahmed	Acquired A plastic Anemia : determination of prevalence and Assessment of Adherence to cyclosporine among children in jafar ibn ouf specialized pediatric Hospital	Faculty of Pharmacy University of Khartoum	2015-2016
Osama Mahgoub Osman Mohammed	Assessment of current treatment in patients with hyperthyroidism in white Nile State	Faculty of Pharmacy University of Khartoum	2015-2016
Rawia Elmahy Abbas Abbas	Epilepsy Awareness Attitude and first aid practice Among primary schoolteachers at selected schools in Khartoum locality	Faculty of Pharmacy University of Khartoum	2015-2016
Safa Faisal Mohamed Abas	Knowledge Attitude and practice of community pharmacist regarding oral hygiene in Khartoum locality	Faculty of Pharmacy University of Khartoum	2015-2016
Sara Noreldin Hassan Mohamed	Evaluation of knowledge , attitude and practice of community pharmacists toward osteoporosis prescreening tools	Faculty of Pharmacy University of Khartoum	2015-2016
Shimaa Ali Mohammed Eltoom	Pattern of medicine use at health insurance Khartoum state 2016	Faculty of Pharmacy University of Khartoum	2015-2016

Yassir Daffalla Elamein Awadalla	Assessment of pharmacist Awareness and role dose-related problems in antibiotics prescribed for pediatric patients in Khartoum state	Faculty of Pharmacy University of Khartoum	2015-2016
Yousra Omer Mohammed Omer	Assessment of Patients knowledge and attitude about generic drugs in Advanced Diagnostic Medical Center, Khartoum North, Sudan	Faculty of Pharmacy University of Khartoum	2015-2016

Internal examiner for postgraduate students:			
Name of candidate	Thesis title	Program/Place	Year of completion
Khalid Ashmaig Khalifa	Flouroquinolones susceptibility profiles of <i>E. coli</i> isolated from hospitalized patients	Master of Pharmacy, University of Khartoum	2015
External examiner for postgraduate students			
Reem Mubarak Ahmed Hassab-Alrasoul	In silico and Pharmacological evaluation of a novel synthetic chalcones	Master of Pharmacy, International University of Africa	2017
Tasneem Bakri Aleman Abdalrahman	Antimicrobial activity of gentamycin in peritoneal dialysis fluids	Master degree in Drug quality control, National Ribat University	2017
Shima Elamin Hassan	Quality of water for Pharmaceutical use and adherence to GMP standards in Sudanese Pharmaceutical plants	Master of Pharmacy, University of medical Sciences and Technology	2014

Graduation projects			
Name of candidate	Thesis title	Program/Place	Time
1- Mona Khalid mohammed 2- Rayan Abd Elkarim Osman	Genetic polymorphism of CYP2c9 on some Sudanese patients from Ahmed Gasem Hospital	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2017
1- Nossiba Malik Tag-elsir 2- Raheel Mohamemed-elamin 3- Salma Othman Mohammed	Detection of CYP*2 variant in Some Sudanese patients in Ahmed Gasem Hospital	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2017
1- Nidal Khidir 2- Wisal Mohamed Mosa 3- Yosra Adil Elamin	Molecular characterization of Salmonella isolates and detection of ESBLs resistance genes using conventional PCR	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016
1- Ala Abdallah mokhtar 2- Noor Abdolgayom Ibrahim	16s rRNA gene in identification of non-fermenter G-ve coccobacilli and detection of CTX-M and TEM resistant genes	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016

1- Ibrahim Abobakr 2- Mahmood Ahmed	Molecular identification and investigation of CTX-M and TEM genes in Klebsiella pneumoniae isolates	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016
1- Mosab YahiaH. Elnor 2- Mohanad Yosuf Eljak	Molecular typing of <i>Pseudomonas</i> species isolated from Sudanese currency notes via 16s rRNA sequencing and screening of CTX-M and TEM genes within chromosome	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016
1- Mohamed Abdolfatah Abdruhman 2- Tareg Omer Ahmed	16s rRNA-based identification of MRSA isolate and screening of mecA resistant gene	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016
1- Hassan yossif Mustafa 2- Mohamed Habeeb Ibrahim	Molecular identification of E.coli using 16s rRNA gene sequencing and detection the presence of CTX-M genes	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016
1- Abubakar Salah Ibrahim Mohamed 2- Ebrahim Mohammed Saleh Al-Hajj	Amplification and detection 16s rRNA resistant, CTX-M and TEM resistant genes found in <i>Serratia marcescense</i> isolated samples	B.Pharm, Faculty of Pharmacy, Omdurman Islamic University	2016

Conferences attended, symposia and Abstracts:

1. **Malik Suliman Mohamed.** Drug design. **The 1st National Conference in Bioinformatics and genomics in Sudan (NCBG)**, College of veterinary Medicine, University of Bahri, Khartoum Bahri, Sudan, **27th -28th November, 2017**
2. Noha Ahmed Abd Alfadil, **Malik Suliman Mohamed**, Mohamed Ahmed Salih, El Amin Ibrahim El Nima. Phenotypic and genotypic detection of *Bacillus cereus* strain encountered in Sudanese Banknotes from Khartoum. **The 1st Milestone conference; Importance of DNA/RNA sequences and bioinformatics tools in developing medical microbiology field**, Khartoum, Sudan, **March 2017.**
3. Noha Ahmed Abd Alfadil, **Malik Suliman Mohamed**, Manal M.Ali and El Amin Ibrahim El Nima. Prevalence and antibiotics resistance pattern of pathogenic bacteria isolated from Sudanese currency notes. **The 1st international conference on microbiology and applications**, Khartoum, Sudan, **23-24 April, 2017.**
4. **Malik Suliman Mohamed**, Naga Srinivas, Mohammed A. Azam and Kiyoshi Ito. Oligopeptidase B: A Potential Drug Target. **The 18th congress of the scientific association of pharmacy colleges in Arab world**, and The 1st International Conference of Omdurman Islamic University, Faculty of pharmacy. 18-20 Nov. 2015, Khartoum, Sudan http://oiu.edu.sd/pharmacy/conference/show_page.php?page_id=3453
5. Toshihide Maki, Paul Njihia Gichuhi, **Malik Suliman Mohamed**, and Satoshi Mizuta. Synthetic Study for Aristolochic Acids and its Derivatives. **The 3rd International Symposium on Process Chemistry (ISPC2015)** July 13-15/2015, Kyoto, Japan <http://www.cdsympo.com/ispc2015/index.html>
6. Rehab Ahmed, **Malik Suliman** and Faisal M. Fadlelmola. In-silico investigation of the Anti-giardial activity of Ezetimibe using a comparative model of giardia homolog of human cholesterol uptake receptor NPC1L1 Protein. **ISCB Africa ASBCB Conference on Bioinformatics** March 09-11, 2015. Dar es Salam, Tanzania. http://www.iscb.org/cms_addon/conferences/africa2015/track/posters.php

7. **Malik Suliman Mohamed Mustafa**, Yoshitaka Nakajima, Yoshino Hattori, Hiromi Kurokawa, Nobuhisa Iwata, and Kiyoshi Ito. Expression, purification, and crystallization of bacterial oligopeptidase B. **The 84th Annual Meeting of the Japanese Biomedical Society. Kyoto, Sep. 2011.**
8. **Malik Suliman Mohamed Mustafa**, Yoshitaka Nakajima, Nobuhisa Iwata, and Kiyoshi Ito. Substrate inhibition of bacterial oligopeptidase B. **The 18th Annual Meeting of the Society for Biotechnology, Kyushu Branch, Fukuoka, Japan. Dec. 2011**

Poster Presentations

1. Alaa Abdallah moktar, **Malik Suliman Mohamed**, Noha A. Abd alfadil, Hisham N Atayb, SalahEldin G Elzaki, Eithar M Karrar, Najem Aldin N Osman, Mohamed Ahmed Salih. Analysis of 16S rRNA gene Sequence of *Proteus Mirabilis* Collected from Sudan and Utilization for Determination of Phylogeny of Species. **The 1st international conference on microbiology and applications, Khartoum, Sudan, 23-24 April, 2017.**
2. Mosab Yahya Al-Nour, **Malik Suliman Mohamed**, Noha A. Abd alfadil, Hisham N Atayb, SalahEldin G Elzaki , Mohamed Ahmed Salih. Identification and Genomovar Categorization of *Pseudomonas stutzeri* Isolated from Sudanese Currency Notes via 16S rRNA gene Sequence Analysis. **The 1st international conference on microbiology and applications, Khartoum, Sudan, 23-24 April, 2017.**
3. Ebrahim Mohammed Saleh, Noha A. Abd alfadil, Mohamed Ahmed Salih, Hisham N Atayb, SalahEldin G Elzaki, **Malik Suliman Mohamed**. Molecular Identification of *Shigella Flexneri* Isolated from Currency Notes via 16S rRNA gene sequencing in Khartoum. **The 1st international conference on microbiology and applications, Khartoum, Sudan, 23-24 April, 2017.**
4. Wisal Mohamed, Noha A. Abd alfadil, Mohamed Ahmed Salih, Hisham N Atayb, SalahEldin G Elzaki, **Malik Suliman Mohamed**. Molecular Characterization and Bioinformatics Analysis of A Novel CTX-M-15 Produced by Strains of *Acinetobacter baumannii* Isolated from Sudanese Currency Notes. **The 1st international conference on microbiology and applications, Khartoum, Sudan, 23-24 April, 2017.**

Publications:

1. Mohamed Hussain, **Malik Suliman**, Abdalla Ahmed, Hisham Altayb, and Elamin Elneima. Draft genome sequence of a multidrug-resistant *Pseudomonas aeruginosa* strain isolated from a patient with a urinary tract infection in Khartoum, Sudan. *Genome Announcement* 20;5(16). pii: e00203-17. (2017) <https://doi.org/10.1128/genomeA.00203-17>
2. **Malik Suliman Mohamed**, Toshihide Maki, Shah Mohammad Monir and Yoshio Ichinose. Synthesis and antimicrobial activity of nitrobenzyl-oxy-phenol derivatives. *Biological and Pharmaceutical Bulletin*. 2016, 39(11), 1-5
3. Tarig Y. M. E., **Malik Suliman Mohamed**., Abubaker I. E., & Ahmed S. A. E. (2016). Satisfaction with and adherence to warfarin treatment: A cross-sectional study among Sudanese patients. *Journal of Saudi Heart Association*. 2017 Jul; 29(3): 169-175. doi: <http://dx.doi.org/10.1016/j.jsha.2016.10.007>
4. **Malik Suliman Mohamed**, Ahazeej Hassan Hamid and Bashier Osman. Assessment of pharmacists' and patients' knowledge and attitude towards irrational use of chlordiazepoxide-clidinium bromide combination in khartoum state. *European journal of pharmaceutical and medical research*. 2016, 3(6), 94-100

5. Amina I. Dirar, Ayman Y. Waddad, Magdi A. Mohamed, **Malik S. Mohamed**, Wadah J. Osman, Mona S. Mohammed, Mohamed A.A. Elbadawi. In silico Pharmacokinetics and Molecular Docking of Three Leads Isolated from *Tarconanthus camphoratus* L. International Journal of Pharmacy and Pharmaceutical Sciences. Vol 8, Issue 5, 2016
<http://innovareacademics.in/journals/index.php/ijpps/article/view/10528>
6. Omer Yahia El-Hussein Mohamed, Altayeb Elazomi, **Malik Suliman Mohamed**. Local elevation of CCL22: A new trend in immunotherapy (skin model). Journal of Cellular Immunotherapy, Received 7 September 2015, Revised 7 November 2015, Accepted 10 December 2015, Available online 23 January 2016,
<http://dx.doi.org/10.1016/j.jocit.2015.12.001>
7. Mohamed K. A., Mohamed A. A. E., Marwa S. S. O., Magdi A. M., Mahmoud M. E., Muzamil M. A. H., **Malik S. Mohamed** and Mohammed A. G. Evaluation of antileishmanial activity of Valproic Acid against *Leishmania donovani*: an in silico and in vitro study. World Journal of Pharmaceutical Sciences, 4(2), 153-159, 2016
<http://wjpsonline.org/admin/uploads/zGQCEt.pdf>
8. Mohamed Farag, Mona Salih Mohammed, Intisar Foud, Wadah Jamal Ahmed and **Malik S. Mohamed**. THE ROLE OF NATURAL PRODUCTS IN DRUG DISCOVERY AND DEVELOPMENT. World Journal of Pharmaceutical Research. Vol 4, Issue 3, 2015. Pp. 22-33.
9. Wadah J.A. Osman, Ramzi A Mothana, Omer Basudan, Mona S. Mohammed and **Malik S. Mohamed**. Antibacterial effect and radical scavenging activity of hispidulin and nepetin; a two flavonoids from *Tarconanthus camphoratus* L. World Journal of Pharmaceutical Research. Vol 4, Issue 1, pp. 424-433 (2015)
10. **Malik Suliman Mohamed**, Mona Timan Idriss, Amgad I. M. Khedr, Haidar Abd AlGadir, Satoshi Takeshita, Mohammad Monir Shah, Yoshio Ichinose, and Toshihide Maki. Activity of *Aristolochia bracteolata* against *Moraxella catarrhalis*. Hindawi Publishing Corporation, International Journal of Bacteriology, Volume 2014, Article ID 481686 (2014)
11. Amina I. Dirar, Magdi A. Mohamed, Bashier Osman, Hassan S. Khalid, Esraa M.O. Ismail and **Malik S. Mohamed**. Pharmacological studies on four anti-pharmacological studies on four anti-tumor medicinal plants grown in Sudan. International journal of research in pharmacy and chemistry. 4(4), pp. 1004-1008 (2014)
12. **Malik Suliman Mohamed Mustafa**, Nakajima, Y., Oyama, H., Iwata, N., and Ito, K., Assessment of substrate inhibition of bacterial oligopeptidase B. Biol. Pharm. Bull. 35(11) 2010–2016 (2012)
13. **Mohamed M.S.**, El-Nima E.I., Nur A. M. O. Microbiological assay of clarithromycin tablets in comparison to HPLC assay. Sudan. J. Stnds. Metrology., Vol 1 (2), 30-40 (2007)
14. **Mohamed M.S.**, El-Nima E. I. and Nur A. M. O. Comparative study of spectrophotometric and microbiological assay of azitromycin capsules. Omdurman Journal of Pharmaceutical Sciences, vol. 1, (4), 397-561 (2008)