

Curriculum Vitae



Personal Information

Full Name	Elrashied Ali Elbaid Garelnabi
Birth Date	07/08/1964
Birth Place	Alkour / Aljazeera
Specialization	Pharmaceutical sciences (Pharmaceutical and medicinal chemistry)
Position	Associate professor of pharmaceutical chemistry
Address	Dept of Pharmaceutical chemistry – Faculty of Pharmacy – University of Khartoum – P. O. Box 1996 Khartoum - Sudan
Email	rashidobeid@uofk.edu rashidgarelnabi@gmail.com
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Extension	
Faculty	Faculty of Pharmacy
Department	Department of Pharmaceutical chemistry
Links	Google Scholar

	https://www.researchgate.net/profile/Elrashied_Garelnabi
Qualification Information	
Bachelor	Bachelor of Pharmacy (B. Pharm.), Second Class Honours, Div. 1, Faculty of Pharmacy, University of Khartoum
Masters	Master in Pharmaceutical Sciences (M. Pharm.), Faculty of Pharmacy, University of Khartoum
Doctorate	PhD, University of Bradford, UK
Expertise	Synthetical chemistry of imidazotetrazines prodrug and chemistry of drug delivery
Academic Information	
Teaching	<ol style="list-style-type: none"> 1. Pharmaceutical Organic chemistry Course 2. Functional Group Chemistry 3. Medicinal Chemistry 4. Drug Discovery, Design and development 5. Structural Elucidation (UV, IR, NMR, MS and Elemental analysis) (undergraduate and Master Student courses)
Supervision	<p>i) Undergraduate:</p> <ol style="list-style-type: none"> 1. Graduation project, Synthesis of pyrazolotriazines as potential inhibitors of mutant isocitrate dehydrogenase, School of Pharmacy, University of Bradford, UK, 2011. 2. Graduation project, Study of the Temozolomide an imidazotetrazine drug space in Glioblastoma national protocol and management with respect to the international Pharmacy, The National RIBAT University, 2016. <p>ii) Master:</p> <ol style="list-style-type: none"> 1. Malik Abdellah Hussen, Development of New Spectrophotometric method for determination of Kanamycin and Amikacin, University of Khartoum, Feb 2014 2. Graduation project of clinical pharmacy master student
Administrative	<ol style="list-style-type: none"> 1. Oct. 2013 – Feb 2017, Head Department of Pharmaceutical Chemistry, Faculty of Pharmacy, U of K. 2. Feb. 2013 – present, Deputy dean for administrative Affairs , Faculty of Pharmacy, U of K.
Scholarships	<ol style="list-style-type: none"> 1. German academic exchange service (DAAD) Scholarship, 1995 – 1997 2. Sudanese Ministry of Higher Education and Scientific Research Scholarship, 2006 - 2010

Grants	
Publications	<p>1- Richard T. Wheelhouse, Dimitrios Pletsas, Li Li, Elrashied A. E. Garelnabi, Roger M. Phillips, Imidazotetrazinone Prodrugs (Temozolomide analogues) with Activity Independent of Mismatch Repair and Alkytransferase, <i>Eur. J. Cancer</i> (2010) 8(7S) 138.(Impact 2.71). 22nd EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics in Berlin, November 2010.</p> <p>2- Elrashied A. E. Garelnabi, Dimitrios Pletsas, Li Li, Konstantinos Kiakos, Nazira Karodia, John A. Hartley, Roger M. Phillips, and Richard T. Wheelhouse, Strategy for Imidazotetrazines with Anticancer Activity Independent of MGMT and MMR, <i>ACS Med. Chem. Lett.</i> (2012) 3, 965–968. (Impact 3.31)</p> <p>3- Dimitrios Pletsas, Elrashied A. E. Garelnabi, Li Li, Roger M. Phillips, and Richard T. Wheelhouse, Synthesis and Quantitative Structure–Activity Relationship of Imidazotetrazine Prodrugs with Activity Independent of O6-Methylguanine-DNA-methyltransferase, DNA Mismatch Repair and p53, <i>J. Med. Chem.</i> (2013) 56, 7120–7132. (Impact 5.61).</p> <p>4- Bashier Osman, Ahmed Almubark, Iman H. Abdoon, Elkhansa Abelhamid and Elrashied A. E. Garelnabi, Evidence of clinical and Economic Benefits of Clinical Pharmacist Interventions in Warfarin Anticoagulant Therapy, <i>International Journal of pharmacy. Photon</i> 104 (2013), 374 – 380.</p> <p>5- Mona Salih Mohammed, Wadah Jamal Ahmed, Elrashied A. E. Garelnabi, Hassan Subki Khalid and Abelkhalig Muddathir Mahmoud, Isolation of Hex-2-ulofuranosyl hexopyranoside and GC-MS Profile of Different Extracts from <i>Capparis decidua</i> (Forssk.) <i>Journal of Chemical and Pharmaceutical Research</i> (2014) 6(7), 1752 – 1758.</p> <p>6- Mona Salih Mohammed, Wadah Jamal Ahmed, Hassan Subki Khalid, Abelkhalig Muddathir Mahmoud and Elrashied A. E. Garelnabi, Di-(2'-ethylhexyl) phthalate and Stigmasterol with Anti-inflammatory Effect from <i>Cyperus Rotundus L</i>, <i>International Journal of Pharmaceutical, chemical and Biological Sciences, IJPCBS</i> (2014) 4(3), 453 – 459.</p>

7- Mona S. Mohammed, Wadah J.A. Osman, Elrashied A. E. Garelnabi, Zuheir Osman, Bashier Osman, Hassan S. Khalid, Magdi A. Mohamed, Secondary Metabolites as Anti-inflammatory Agents, *The Journal of Phytopharmacology* (2014) 3(4), 275 – 285.

8- Mona Salih Mohammed, Hassan Subki Khalid, Wadah Jamal Ahmed, Elrashied A. E. Garelnabi, Abelkhalig Muddathir Mahmoud, Analysis of Anti – inflammatory Active Fractions of *Tribulus terrestris* by High Resolution GC-MS, *Journal of Pharmacognosy and Phytochemistry* (2014) 3 (2), 38 – 42.

9- 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.

10- Shaza wagiealla, Elrashied Ali Elobaid, Elrasheed Gadkariem, Stability studies on Niclosamide Using Derivative Spectroscopic and Chromatographic Methods, *World Journal of Pharmaceutical Research* Jan 2015 4(1), 122 – 132.

11- Shaza Waciealla Shantier, Elrashied Ali Elobaid Garelnabi, Elrasheed Ahmed Gadkariem, Development of Derivative Spectrophotometric and HPLC Methods for Determination of Niclosamide, *Journal Of Harmonized Research in Pharmacy* 2015 4(1), 87-92.

12- Mohamed E. Adam, Shaza W. Shantier*, Malik A. Hussien, Elrasheid AE Garalnabi and Elrasheed A. Gadkariem Development of Spectrophotometric Method for The Determination of Amikacin Sulphate in Pure and Pharmaceutical Formulations Usin Ascorbic Acid, *European Journal of Pharmaceutical and Medical Research ejpmr*, 2017,4(2), 235-239

13- Malik A. Hussien, Mohamed E. Adam, Shaza W.

	<p>Shantier*, Elrasheid A.E. Garalnabi and Elrasheed A. Gadkariem, Development and validation of colorimetric method for the quantitative analysis of kanamycin in bulk and pharmaceutical formulation, <i>Journal of Applied Pharmaceutical Science</i> April, 2017 7 (4), 163-167.</p> <p>Conference Papers:</p> <ol style="list-style-type: none"> 1- Elrashied A.E. Garelnabi, Dimitrios Pletsas and Richard T. Wheelhouse, <i>N</i>-Nitrosocarbamates in the Synthesis of 3-(2-Aminoethyl)imidazotetrazines. <i>42nd IUPAC Congress: Chemistry Solutions, Glasgow, UK</i>, August 2009. 2- Richard T. Wheelhouse, Dimitrios Pletsas, Li Li, Elrashied A. E. Garelnabi and Roger M. Phillips, New temozolomide analogs with activity independent of mismatch repair and alkyltransferase. <i>Proceedings of the American Association for Cancer Research</i> (2010) LB-177. 3- Elrashied A.E. Garelnabi, Dimitrios Pletsas, Roger M. Phillips, Richard T. Wheelhouse, New Applications of Imidazotetrazines – Taming Alkyldiazonium Ions. <i>British Association for Cancer Research 50th Anniversary Meeting</i>, Edinburgh, June 2010.
Other	<p>SPECIALISED/ PROFESSIONAL TRAINING:</p> <ol style="list-style-type: none"> 1. Assessment of stability of drugs using photo-reactor and HPLC, Institute of Pharmaceutical Chemistry- Marten-Luther University- Halle- Saale- Germany, 1997. Jeol NMR 600 MHz 2. and Delta™ NMR Data Processing Software, Institute of Pharmaceutical Innovation (IPI) University of Bradford, UK, 2006. 3. Beilstein software (For Organic Chemistry Databases), Manchester University, UK, 2008. 4. Reaxys web-based tool (For the retrieval of chemistry information and data from published literature)

including journals and patents), University of Bradford, UK, 2008.

5. Bruker NMR 400 MHz with auto sampler, Institute of Pharmaceutical Innovation (IPI) University of Bradford, UK, 2009.
6. The Double Beam UV Instrument using temperature controller (For Studying Kinetic of Drug Decomposition), Cancer Therapeutics Institute (CTI), University of Bradford, UK, 2009.
7. Computer Aid self- learning workshop organized by Path University , Ahfad University for Women- Khartoum, Sudan, 2011.

PROFESSIONAL COURSES & WORKSHOPS ATTENDED:

1. **42nd IUPAC Congress (Chemistry Solutions)**
Glasgow, Royal Society of Chemistry (RSC), UK, 2nd-7th Aug 2009.

Research Open Day

2. , Graduate College, University of Bradford, UK, April 2010.
3. BACR 50th Anniversary Meeting (Hallmarks of Cancer: From Mechanism to Therapies), Heriot-Watt University Edinburgh Conference centre, UK, 13th-15th June 2010.
4. The Annual Meeting of Royal society of chemistry- Yorkshire (RSC) Bradford, Royal Society of chemistry, UK, Oct 2010.
5. 1st Andrology symposium Khartoum Sudan, Andrology Committee, Sudan, 18th – 19th Oct 2012.
6. WHO Committee for Developing Pharmaceutical Services Competency Framework (Education part as a reviewer), World Health organization (WHO), Sudan, 14th -15th Jan 2014.
7. Modern Management Skills Workshop, Pharmacist Union, Sudan, 14th Nov 2014.
8. The Mycetoma Research Gaps Seminar, The Ministry of Higher Education & Scientific Research, Khartoum – Sudan, 2017.

COURSES & WORKSHOPS ATTENDED IN EDUCATION:

1. Endnote training course, Priestley Library - University of Bradford, Sep. 2007.
2. Plagiarism and referencing for researchers, Priestley Library - University of Bradford, Sep. 2008.
3. Time management short course, Priestley Library - University of Bradford, Sep. 2008.
4. Introduction to Research Ethics Workshop, UNESCO CHAIR IN BIOETHICS-Faculty of Medicine U of K, Nov 2014.
5. The Role of Pharmaceutical Research in Combating Neglected Disease, 25th Jan 2018.

The 6th Annual conference

6. The Medical & Health Science Studies, Graduate College & Scientific Research & Cultural Relations Directorate, University of Khartoum – Sudan, 18th – 22nd Feb 2015.

Research methodology course, Faculty of Medicine, University of Khartoum

7. , Nov 2016.
8. Biostatistics, Faculty of Veterinary sciences, University of Khartoum, Dec 2016.
9. Experimental design, Faculty of Pharmacy, University of Khartoum, May 2017.

Examinations

Undergraduate:

1. External Examiner, Pharmaceutical chemistry, pharmacy, Omdurman Islamic University , 2012 & 2011.
2. External Examiner, Pharmaceutical chemistry, Pharmacy, Aljazeera University, Sudan , 2012.
3. Internal Examiner, Pharmaceutical chemistry, Pharmacy, University of Khartoum, Sudan, 2011 – 2016.

Postgraduate

(PhD by Research):

Internal Examiner

1. New Chromatographic, Derivative Spectroscopic and Colorimetric Methods for The Assay and Stability Studies of Cefquinome and Niclosamide, Shaza Wajiealla Mohamed Shantier Pharmacy, U of K, 2nd Apr 2014.
2. Development of Novel Chromatographic Methods for the Determination of Some Basic Drugs, Imad Osman Abu Reid, Pharmacy U of K. , 2016

(Master by Research):

1. Internal Examiner, Determination of lead content of some topical cosmetics in Sudanese market with comparison study to the international allowed limits, Fatima Abdalaziz Hassan Mohamed, Pharmacy, U of K, 10th Jun 2014
2. Internal Examiner, Determination of Lead and cadmium in the most commonly used kohl brands in Khartoum, Tsneem Tagelsir Khider Yousef , Pharmacy, U of K, 2nd Sep 2014
3. Internal Examiner, Isolation of a Potential Anti-tumor Leads From Biologically Assessed Plants Grown in Sudan, Amina Ibrahim Ahmed Ibrahim, Pharmacy, U of K, 4th Nov 2014
4. Internal examiner, Chemical and toxicological studies on ethanolic extract of salvadora persica (arak, meswak) stem stick, Samah Elsideag

Ibrahim Pharmacy, U of K, May 2015

5. Internal Examiner , Spectrphotometric Method for Determination of Amikacin and Kanamycin in their Pure and Pharmaceutical formulations. Malik Abdellah Hussein Mohammed Salih Pharmacy, U of K, Jan 2016
6. Internal Examiner , Development of New Spectrophotometric Methods for The Determination of Sulphadoxine and Pyrimethamine in Bulk and Pharmaceutical Formulations, Myada Hashim Mohamed Osman, Pharmacy, U of K Aug 2016
7. Internal Examiner , Differential Spectrophotometric Method for Determination of Drugs Having Phenol Functionality, Mohamed Abdelraouf Ali Pharmacy, U of K, Nov 2016.
8. Internal Examiner, Proposals and graduation projects for Master in Clinical Pharmacy, Clinical Pharmacy students, Pharmacy, U of K, 2012 – 2016.
9. External Examiner, Assessment of Prescribing Patterns of Injectable Cephalosporins as Surgical Prophylactic at Surgical Department –Bahry Teaching Hospital , Sudan Medical Specialization Board, Programme of the Fellowship in Management of Pharmaceutical Services, Sudan, Jun 2013
10. External Examiner, Assessment of The Pharmaceutical Services Provided by Khartoum Health Insurance Corporation , Khartoum Locality, 2013, Sudan Medical Specialization Board, Programme of the Fellowship in Management of Pharmaceutical Services, Sudan, Jun 2013
11. External Examiner, Evaluate The Assessment Procedure For Pharmaceutical Registration Dossier Followed by The Sudan National Medicines and Poisons Board 2009 – 2013. Sudan Medical Specialization Board, Programme of the Fellowship in Management of Pharmaceutical Services, Sudan, Jun 2013

New establishments:

1. Feb 2013, Faculty of pharmacy a new pray area (4.5 m X 10 m)
2. Feb 2013 – present , Rehabilitation to Faculty of pharmacy buildings
3. Feb 2016, Faculty of pharmacy U of K Golden Jubilee Celebration
4. Faculty of pharmacy hard books library

SERVICE ACTIVITIES:

1. Oct 2010 – present, Member of the academic

committee of syllabus updating

2. May 2013 – Jan 2016, Rehabilitation of the Faculty building preparation for the Golden Jubilee's, Faculty of Pharmacy, U of K.
3. 2011-present, Chairman of University housing committee at street No. 39 Elamarat, Khartoum Sudan
4. 2001 – 2006, Member of University housing committee at street No. 41 Elamarat, Khartoum Sudan
5. German of the housing committee at Elmatar locality Jan 2018

OTHER ACTIVITIES:

1. 1986, Secretary of Affair and communication Society of research and pharmaceutical studies
2. 1987, Secretary of finance Pharmacy student association
3. 1988, Secretary General of Society of research and pharmaceutical studies
4. 1989, Secretary of Affair and communication Society of research and pharmaceutical studies
5. 2001, Head of Al khour village association

MEMBERSHIP:

LOCAL:

1. Member, The Sudanese Pharmacists Union, Sudan, 1990 – present
2. Member, Khartoum University Senate, Sudan, 2010 – present
3. Member, Faculty Board, Faculty of Pharmacy, U of K, Sudan, 2010 – present
4. Member, Research Board, Faculty of Pharmacy, U of K Sudan 2010 – present
5. Member, The Golden Jubilee's Committee, Faculty of Pharmacy, U of K , Sudan, 2013 – present

INTERNATIONAL:

Associate member, Royal Society of Chemistry RSC, United Kingdom, 2009 – 2012

SPECIAL INTEREST:

- Synthetic Medicinal Chemistry
- Synthesis and kinetical evaluation of the imidazotetrazine delivery system to alcoholic, phenolic and acidic prodrug.
- Validation of pharmaceutical products analysis.
- Design of Antitumor Prodrugs
- Isolation, purification and structure elucidation of

	<p>biologically interesting natural products.</p> <ul style="list-style-type: none">- Quantitative structure-activity relationship (QSARS) <p>Areas of research interest:</p> <ol style="list-style-type: none">1. Development of synthetic routes for naturally occurring compounds with endued anti-tumor activity.2. Total or partial synthesis of biologically important molecules.3. Isolation, characterization of naturally occurring compounds with endued anti-tumor activities.4. Design of molecules for the oral delivery making use of the imidazotetrazine nucleus oral stability.5. Coupling of polar drugs with the imidazotetrazine to be release at site of action, and studying the kinetics of the release at difference pH conditions and specially at pH 7.4 (physiological pH).6. NMR studying of time dependent reactions at different pH specially hydrolysis of imidazotetrazine molecules that synthesized for biological interest.
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