

# Curriculum Vitae

## Personal data:

**Name:** MUSTAFA. JAIP ALLAH . ABD ELMAJEED. ABUALREISH

**Nationality:** Sudanese

**Date of birth :** 27\1970

**Place of birth :** New halfa - Sudan

**Marital status :** Married with five children

**Languages:** Arabic, English



Kingdom of Saudia Arabia



:00249912900476 ; 00966501864561



Mustjeed\_2008@hotmail.com ; Mustafa.Abualreish@nbu.edu.sa



**Scopus ID:** 25229715600



**Orcid ID:** 0000-0002-4905-3117



**Web of Science ResearcherID :** AAE-1635-2022



<https://www.mendeley.com/reference-manager/library/my-publications/>



<https://scholar.google.com/citations?user=N3zs5k8AAAAJ&hl=en>  
Mustafa Abualreish - Google Scholar



<https://www.researchgate.net/profile/Mustafa-Abualreish>



<https://publons.com/researcher/1445935/mustafa-jaip-allah-abdelmageed-abualreish/>



<https://independent.academia.edu/MJAAbualreish>

## Academic Progression:

- 1. Ph.D** ( Chemistry), Department of chemistry, **Faculty Of Science**, University of Khartoum , Sudan (**2001**)
- 2. M.Sc** (Chemistry), Department of chemistry, **Faculty Of Science**, University of Khartoum, Sudan (**1996**).
- 3. B.Sc** (Chemistry), Department of chemistry, **Faculty Of Science**, University of Khartoum , Sudan (**1992**)



**Title of the PhD Thesis :**

Stoichiometric study in the oxidation-reduction reactions between some carbohydrates and potassium peroxydisulphat

**Title of the M.Sc Thesis :**

Spectrophotometric determination of the stability constants of hydroxamic acid reagent with V(IV), Fe(III), CO(II) and Cu(II )

**Title of the B.Sc Thesis :**

The physical properties of polymers

## Full and Part -time Professional Activity ; Technical and Teaching Experiences :

- **December 2021 AD - Present :**  
Full-time associate professor at the Department of Chemistry, Faculty of Science Northern Border University, Saudi Arabia.
- **2009-2021 AD :**  
Full-time assistant professor at the Department of Chemistry, Faculty of Science Northern Border University, Saudi Arabia
- **2003-2009 AD :**  
Full-time assistant professor at the Department of Science, Faculty of Education King Abdulaziz University, Saudi Arabia.
- **2001-2003 AD :**  
Full-time assistant professor at the Department of Chemistry, Faculty of Science and technology, Omdurman Islamic University, Sudan
- **2002-2003AD :**  
Part-time assistant professor at the Department of Chemistry, Faculty of Science, University of Khartoum, Sudan .
- **2001-2003AD :**  
Part-time assistant professor at the Department of Chemistry, Faculty of Pharmacy, Ribat National University, Sudan .
- **1998-2001AD :**  
Full-time lecturer at the Department of Chemistry, Faculty of Science and technology, Omdurman Islamic University, Sudan .
- **1992-1997AD :**  
Part-time teaching assistant at the Department of Chemistry, Faculty of Science, University of Khartoum, Sudan.
- **1994-1997AD :**  
Part-time teaching assistant at the Department of Chemistry, Faculty of Science, Sudan university of science and technology , Sudan .

Have a total teaching experience of thirty two years at a university level (1992-2024), during that period, supervising postgraduate students and teaching undergraduate level laboratories and lecture courses comprising general chemistry , physical chemistry and analytical chemistry including the following courses :

<b>1.</b> General chemistry (1)	<b>2.</b> General chemistry (2)	<b>3.</b> The chemistry of volumetric and gravimetric analysis
<b>4.</b> Physical Chemistry 1	<b>5.</b> Analytical Chemistry 1	<b>6.</b> Chemical Kinetics
<b>7.</b> General chemistry lab	<b>8.</b> Electrochemistry	<b>9.</b> Nuclear chemistry and radiochemistry
<b>10.</b> Catalysis	<b>11.</b> Photochemistry	<b>12.</b> Introduction to physical chemistry
<b>13.</b> Experimental physical chemistry	<b>14.</b> Biochemistry	<b>15.</b> Introduction to analytical chemistry
<b>16.</b> Chromatographic methods of separation	<b>17.</b> Heterocyclic chemistry	<b>18.</b> Instrumental methods of analysis
<b>19.</b> Scientific Terminology	<b>20.</b> Field training supervision	<b>21.</b> Application of Mass spectrometry in analytical chemistry
<b>22.</b> Analysis of industrial products	<b>23.</b> Research projects supervision	<b>24.</b> Quantum chemistry and statistical thermodynamics
<b>25.</b> Special topics in analytical chemistry	<b>26.</b> Pharmaceutical Physical Chemistry	<b>27.</b> Surface and solid state chemistry

## Administration Work :

### Administrative Positions:

- 1) Head of the chemistry department , College of science, Northern Border university ,Kingdom of Saudi Arabia 15/9/2014-28/7/2017 ; 21/11/1435H-5/11/1438H
- 2) Vice dean,chemistry department , College of science, Northern Border university ,Kingdom of Saudi Arabia 10/8/2021-9/8/2022 ; 2/1/1443H-1/1/1444H
- 3) Head of the chemistry department , Faculty of science and technology ,Omdurman Islamic university ,Sudan 3/7/2001-13/8/2003 AD ; 12/4/1422-15/4/1424
- 4) Academic coordinator of the chemistry program , chemistry department , College of science, Northern Border university ,Kingdom of Saudi Arabia 2024-2025 AD; 1445-1446H.
- 5) Director of the students affairs unit , faculty of science , Northern Border University , Kingdom of Saudi Arabia 6/11/2018-25/10/2019 AD; 27/2/1440H -26/2/1441H
- 6) Supervisor of the students affairs unit , faculty of science , Northern Border University , Kingdom of Saudi Arabia 26/10/2019-13/10/2020 AD; 27/2/1441H-26/2/1442H
- 7) Chairman of the Committee for the creation of an Applied Chemistry Program within the Project for the Development of Academic Programs 1445 AH at Northern Border University Kingdom of Saudi Arabia 1/4/2023 AD; 11/9/1444H
- 8) Head of the technical committee in the chemistry department faculty of science , Northern Border University , Kingdom of Saudi Arabia 2023-2024 AD; 1444-1445H-2024-2025 AD; 1445-1446H
- 9) Supervisor of the scientific committee , student activities department , Teacher's college Northern Border University , Kingdom of Saudi Arabia. 2005/2006-2006/2007 AD; 26/1427H-27/1428H

### Committee Membership:

#### University Level:

- 1) Member of the permanent committee of laboratories and equipments in the university , Northern Border University , Kingdom of Saudi Arabia. 13/7/2013-24/11/2015 AD ; 6/9/1434H-12/2/1437H
- 2) Member of the university committee for assessment of the preparatory year program Northern Border University, Kingdom of Saudi Arabia.14/9/ 2015 AD ; 1/12/1436H
- 3) Member and Secretary of the committee for establishing the talented academy at the university , Northern Border University , Kingdom of Saudi Arabia 22/12/ 2019 AD ;25/4/1441H
- 4) Member and Secretary of the Gifted and Distinguished Committee at Northern Border University, Kingdom of Saudi Arabia 9/2/ 2021 AD ;27/6/1442H
- 5) Member of the internal reviewing work team (reviewers of scientific disciplines) at the University of Northern Border 11/5/ 2022AD- 10/5/ 2023AD ; 10/10/1443H-9/10/1444H
- 6) Member of the Committee of the Environmental Research and Studies and Sustainable Development at the Deanship of Scientific Research at Northern Border University 2021-2022 AD. 19/10/2020AD 3/3/1442H
- 7) Member of the Executive committee to set proposed rules and regulations related to the ethics of scientific research one of the University Vice Presidency for graduate studies and scientific research initiatives in the new strategic plan for the University 2020-2025 AD. 15/10/2020AD 28/2/1442H.
- 8) Member of the Executive Committee of the University Laboratories Modernization Initiative, one of the University Vice Presidency for Academic Affairs initiatives in the new strategic plan for the University 2020-2025 AD 10/10/2020AD 23/2/1442H.
- 9) Member of the university admission committee , Northern Border University , Kingdom of Saudi Arabia. 17/6/2014 AD ; 19/8/1435H





#### College Level:

- 1) Member of the Faculty board Secretariat, faculty of science , Northern Border University , Kingdom of Saudi Arabia. From 28/12/2021 - 8/9/2024 AD; 24/5/1443- 5/4/1447H .
- 2) Member of the Advisory Committee in the faculty of science , Northern Border University , Kingdom of Saudi Arabia from 27/10/2022 to 19/9/2024 AD; 2/4/1444H-16/3/1446H

3)	Member of the Systems and Study Plans Committee at the faculty of science , Northern Border University , Kingdom of Saudi Arabia 22/1/2023-21/1/2024 AD; 1/7/1444H-30/6/1445H
4)	Member of the Student Code of Conduct and Discipline Committee faculty of science , Northern Border University , Kingdom of Saudi Arabia 2023-2024 AD; 1444-1445H
5)	Secretary of the academic affairs committee , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 13/10/2019-9/8/2021 AD; 14/2/1441H
6)	Member and Secretary of the students excuse committee , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 31/12/2019 AD; 5/5/1441H
7)	Member of the faculty examination committee , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 15/11/2018 AD; 7/3/1440H
8)	Member of the students disciplinary committee , faculty of science , Northern Border University, Kingdom of Saudi Arabia. 17/1/2019-13/9/2022 AD; 11/5/1440H-26/1/1443H
9)	Member of the committee of guidance and following students affairs, faculty of science , Northern Border University , Kingdom of Saudi Arabia. 8/12/2012-25/10/2014 AD; 25/1/1434H-2/1/1436H
10)	Member and Secretary of the academic affairs committee , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 7/2/2017-25/10/2019 AD; 11/5/1438H-26/2/1441H
11)	Member of the graduates affairs committee , Teacher's college , Northern Border University , Kingdom of Saudi Arabia. 13/8/2006 AD; 19/7/1427H
12)	Member of the committee that following the final evaluation electronically (covid-19) , faculty of science , Northern Border University , Kingdom of Saudi Arabia 12/4/2020 AD; 19/8/1441H
13)	Member and Secretary of the crisis management committee in the faculty of science , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 25/8/2020 AD; 7/1/1442H
14)	Member of the committee for establishing discrimination controls , faculty of science , Northern Border University , Kingdom of Saudi Arabia. 20/9/2020 AD; 3/2/1442H
15)	Member and Secretary of the students disciplinary committee , faculty of science , Northern Border University, Kingdom of Saudi Arabia. 28/9/2020 AD; 11/2/1442H
16)	Member and Secretary of the committee that supervising the examinations in faculty of science , Northern Border University, Kingdom of Saudi Arabia. From 6/10/2020-4/9/2024 AD; 21/2/1442-4/3/1446H
17)	Member of the Committee to reschedule the unified study plan for chemistry programs in faculties of science, Northern Border University , Kingdom of Saudi Arabia 13/3/ 2022AD ;10/8/1443H. ; 2023-2024 AD; 1444-1445H
18)	Member of the committee for creating and developing academic programs in chemistry for bachelor's and diploma degrees at the faculty of science , Northern Border University , Kingdom of Saudi Arabia 19/9/2022 AD; 23/2/1444H.
19)	Member of the temporary committee that supervising the process of formation the students advisory board of chemistry program at faculty of science , Northern Border University , Kingdom of Saudi Arabia 14/2/1443H 21/9/2021AD , 4/3/1445H 18/9/2023AD
20)	Member of the scientific committee for the exit examination of the chemistry program at faculty of science , Northern Border University , Kingdom of Saudi Arabia 15/4/1443H ; 19/11/2021AD
21)	Member of the committee that supervising the exit examination of students expected to graduate from chemistry department in 1440/1441H, faculty of science , Northern Border University , Kingdom of Saudi Arabia 9/12/2019H ;12/4/1441AD

22)	Member of the Committee to survey all needs at the College of Science - Northern Border University - Kingdom of Saudi Arabia . 29/2/1444H;25/9/2022AD
<b>Departmental Level:</b>	
1)	Member of the chemistry program advisory council , faculty of science , Northern Border University , Kingdom of Saudi Arabia 25/5/2022 AD , 24/10/1443H- Arabia 26/5/2023 AD , 25/10/1444H
2)	Member of the students advisory council in Chemistry department faculty of science , Northern Border University , Kingdom of Saudi Arabia 2023-2024 AD; 1444-1445H-2024-2025 AD; 1445-1446H
3)	Member of Chemistry program development committee faculty of science , Northern Border University , Kingdom of Saudi Arabia 2023-2024 AD; 1444-1445H
4)	Member and Secretary of the committee for screening applicants for faculty positions in the Chemistry Department, faculty of science , Northern Border University , Kingdom of Saudi Arabia 2023-2024 AD; 1444-1445H
5)	Head of the Student affairs and course equivalency committee in the Chemistry Department, faculty of science , Northern Border University , Kingdom of Saudi Arabia 2022-2024 AD; 1443-1445H
6)	Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “ <i>Optimization of Enantiopure Tetrahydro-B-Carbolines as Potent Antimalarials</i> ” submitted by Miss/ <b>HANAN Almolhim</b> as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university <b>13 June 2023</b> .
7)	Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “ <i>Characterization of Lignin Degradation Accessory Enzyme Glycolate Oxidase from Rhodococcus jostii RHA</i> ” submitted by Mrs/ <b>Awatif Alrwili</b> as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university <b>31 May 2023</b> .
8)	Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “ <i>Design and Synthesis of Novel Chiral Iodine (III) Reagents for Enantioselective Synthesis</i> ” submitted by Miss/ <b>Hayfa Alharbi</b> as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university <b>17 April 2022</b> .
9)	Member of the committee that supervising and following the interviewing and examining of teaching assistants introducing to the department of chemistry faculty of science , Northern Border University , Kingdom of Saudi Arabia. 3/6/2012 AD; 14/7/1433H
10)	Secretary of the Science department , Teacher's college , Northern Border University , Kingdom of Saudi Arabia. 2006/2007-2007/2008 AD; 27/1428H-28/1429H

### Professional Affiliations:

	Active member of the American Chemical Society ( ACSM ) , U.S.A Membership NO. 2416809
	Active member of the Royal Society of Chemistry(MRSC), U.K. Membership NO. 721680
	Active member of the Saudi Chemical Society (MSCS), KSA. Membership NO. 21800
	Member of the Editorial Board of the Oriental journal of Chemistry, Bhopal –India Ref. OSPC/125/09

## Scientific conferences and symposia:

No	Name of the conference/ symposium	Date and Place	Post Type
1)	The 6 <sup>th</sup> International Conference on Physical and Theoretical Chemistry	February 22, 2022, Turkey	E-poster
2)	Webinar on Catalysis and Chemical Science	August 29 -30, 2020 Rome, Italy	Poster Presentation
3)	The first telecommunications and technology forum	6-8/3/1427H- 4-6/4/2006AD Arar, Kingdom of Saudia Arabia	Attendance
4)	The 6th scientific conference of students at Northern Border University	1434/1435 H- 2012/2013AD Arar, Kingdom of Saudia Arabia	Reviwer
5)	The 7th scientific conference of students at Northern Border University	1436/1437 H -2014/2015AD Arar, Kingdom of Saudia Arabia	Reviwer

## Workshops-Seminars and Training Courses:

1)	<p>Training course entitled: Maximizing Research Impact: Enhancing Efficiency and Effectiveness with Web of Science Data and Tools 20/11/2024AD; 19/5/1446H</p> <p>Agenda: • This session is for postgraduate students, researchers, and faculty members only. Session Objectives: - Understand Web of Science platform - Familiarize yourself with Web of Science Core Collection strengths - Explore the Web of Science platform and discover how to optimize your searches, utilize analysis tools, and make use of WoS platform options for your research requirements.</p>
2)	<p>Training course entitled: From papers to patents: Innovation Roadmap for universities 13/11/2024AD; 12/5/1446H</p> <p>Agenda: • Innovative mindset: developing an innovative mindset • From idea creation to idea management: a roadmap • Parameters affecting patentable research findings • Innovation adoption lifecycle • Idea generation dynamics</p>
3)	<p>Training course entitled: How to Successfully Publish Your Manuscript in a Scientific Journal 13/5/2024AD; 6/11/1445H</p>
4)	<p>Training course entitled: Explore Taylor &amp; Francis Author Services Guide: How to Boost your Research Impact 23/4/2024AD; 15/10/1445H</p> <p>Agenda: • What is Author Services Platform and how it can support authors in every step in their publishing Journey? • Accessing the Author Services Platform • What is Research Impact • Importance of Research Impact • How is Research impact Measured • How is Research Impact Achieved • How to boost the impact of your research</p>
5)	<p><b>An awareness session</b> in the field of cybersecurity 18/4/2024AD; 10/10/1445H</p>
6)	<p>Training course entitled: Search and retrieval in Dar Al-Mandhumah databases - Saudi Electronic University 4/3/2024AD; 24/8/1445H</p> <p>Introduction to the system's information bases and their most important features - Ways to access studies and research through the system's information bases interface - Research skills in the digital environment</p> <p>-تعريف بقواعد معلومات المنظومة واهم مميزاتها - طرق الوصول للدراسات والابحاث من خلال واجهة قواعد معلومات المنظومة - مهارات البحث في البيئة الرقمية</p>
7)	<p>Training course entitled: Ethics in Academic Publishing 21/2/2024AD; 12/8/1445H</p> <p>This session will introduce the common types of ethics issues which can arise in academic publishing, and equip researchers to recognise and avoid them. The talk will provide an overview on when, why and how we can issue a Retraction notice, a Correction notice or an Expression of Concern notice. We will discuss the responsibilities of authors and editors in ensuring the integrity of the scholarly record, and touch upon on authorship issues, permissions &amp; consent, self-citation &amp; text-recycling.</p>
8)	<p>Training course entitled: How to be an effective Peer Reviewer Demo 14/2/2024AD; 5/8/1445H</p> <p>This webinar will cover all the essentials of how to be an effective peer reviewer for researchers in all areas, including: • Overview of different types of peer review • The responsibilities of a peer reviewer • How to critically assess an article and write an effective report • What to do if you have ethical concerns about an article you have been asked to review</p>
9)	<p>Training course entitled: AMS, MathSciNet 12/2/2024AD; 3/8/1445H</p> <p>American Mathematical Society and MathSciNet.</p>
10)	<p><b>Workshop entitled:</b> Enhancing the production of scientific research in the College of Science 24/1/2024AD; 12/7/1445H</p>

11)	Training course entitled: Taylor & Francis: SSH & S&T Journals Library Overview and Online Demo 6/2/2024AD; 27/7/1445H Taylor and Francis: History and Research Impact Demonstrate the Social Science & Humanities and the Science & Technology Library Subject areas and Highlight Journals Live Demo on how to best use Taylor and Francis Platform
12)	Training course entitled: ACS Overview 4/2/2024AD ; 25/7/1445H ACS Overview
13)	Training course entitled: AIP Publishing Platform Tutorial 31/1/2024AD; 21/7/1445H Review Pubs.AIP.org platform Address any questions about the platform Go through examples on the platform
14)	Training course entitled: The Value of Publishing Open Access 31/1/2024AD; 21/7/1445H What is Open Access Benefits of Open Access Wiley's Open Access Portfolio Wiley Journal Finder Accessing Open Access journals on WOL Where to find author guidelines and Impact Altmetric
15)	Training course entitled: Look beyond the Journal Impact Factor with Journal Citation Reports 24/1/2024AD; 14/7/1445H This session is targeting postgraduate students, researchers, and faculty members only. - Understand Journal Citation Reports - Familiarize yourself with the main metrics in Journal Citation Reports - Navigate and search confidently in the Journal Citation Reports platform
16)	Training course entitled: Introduction to RefWorks 22/1/2024AD; 12/7/1445H -Understand RefWorks and how to create account - Explore the different options to bring references to your RefWorks account - Organize and manage your references within the account - Generate a bibliography with your chosen format - Experience and use RefWorks tools
17)	Training course entitled: Introduction to ProQuest Ebook Central: Overview and Training 15/1/2024AD; 5/7/1445H Identify the strengths of ProQuest Ebook Central platform and content - Recognize the importance of multidisciplinary ebooks in your library - Use ProQuest Ebook Central platform features and tools in learning, research, and teaching
18)	Training course entitled: How to Successfully Publish Your Manuscript in a Scientific Journal 20/12/2023AD; 8/6/1445H How publication works Where to find author guidelines and Impact Factor of Wiley journals Writing tips
19)	Training course entitled: Accelerating Research with Oxford Journals & Books 19/12/2023AD; 7/6/1445H Introduction to OUP Basic information on Journals & Books and how they work on different levels of Research. How to get the best information for your Research
20)	Training course entitled: Remark"s 2024 initiative advanced electronic grading solutions of paper based exam 22/11/2023AD ; 10/5/1445H
21)	<b>Workshop entitled:</b> Saudi classification Saqr 21/12/2023AD;8/6/1445H
22)	Training course entitled: Responding to reviewers' comments and avoiding plagiarism 7/11/2023AD ; 24/4/1445H What reviewers look for ;What editors expect in responses to reviewers Plagiarism, similarity percentage, and paraphrasing
23)	Training course entitled: Taylor and Francis Authors' Platform Guide on How to Write the Manuscript? 7/11/2023AD; 24/4/1445H 1. Introduction to Taylor & Francis Group: History & Impact 2. Taylor & Francis Author Services Platform: (A Guide on Every Step of the Publishing Journey) 3. Understand your target journal's instructions for authors 4. Understand the editorial policies and standards of reporting 5. Discuss the four A's: aims, audience, awareness, and articulation 6. Article Structures and Formatting 7. Choosing Keywords 8. Refining your writing 9. Finalizing the paper details before submission
24)	Training course entitled: Research Basics – Citations 31/10/2023AD ; 17/4/1445H What is a Citation Citations Styles Citation Manager
25)	Training course entitled: The Value of Publishing Open Access with Wiley 18/10/2023AD ; 4/4/1445H What is open access? Benefits of open access Open Research and Open Data How to submit your manuscript to Wiley Publication tips
26)	Training course entitled: Learning to be a more effective academic writer 18/10/2023AD ; 4/4/1445H What is effective writing Strategies of effective writers Systematic approach to developing the skill of writing
27)	Training course entitled: Making your Research Journey simpler with Oxford Academic Online 10/10/2023AD ; 26/3/1445H How to Research Simplify search results. Boolean Search
28)	Training course entitled: How to Publish with Oxford Journals 27/9/2023AD; 13/3/1445H A general overview of Oxford Journals • The importance of the Impact Factor & how it is generated • Smart searching & browsing techniques to generate quick and accurate results. • How to turn your thesis into an article? • Differences between a thesis and an article? • How to write a manuscript • Types of journal manuscripts • How to select which journal you want to write for • How do you upload a manuscript on the OUP platform –Article submission process • The journal publishing cycle • What is Open Access –Kinds of Open Access • Read & Publish

29)	Training course entitled: How to use Digital Wiley platform 20/9/2023AD ; 6/3/1445H نبذة مختصرة عن وايبي - البحث في محتوى وايبي - الدوريات والكتب الرقمية في المنصة الرقمية.
30)	Training course entitled: Do Research with Confidence Using Web of Science Core Collection 13/9/2023AD; 28/2/1445H -Training will provide SDL members with an overview of Web of Science platform and collections available to SDL - Live demo on Web of Science platform to cover profile creation, topic search, refine results, analyse results, and citation report - Training is targeting postgraduate students, researchers, and faculty members
31)	Training course entitled: The use of virtual labs Prexilabs. 7/9/2022AD; 11/2/1444H.
32)	Training course entitled: The modern teaching strategies. 1-2/3/2022AD; 28-29/7/1443H.
33)	Training course entitled: Designing and developing of academic programs and courses, policies and procedures 20-21/2/2022AD; 19-20/7/1443H.
34)	Training course entitled: Why and When Molecular Spectroscopy is Right Answer to your Applications 16/2/2021AD; 5/7/1442H.
35)	Training course entitled: Description and report of course ,program and field experience. 14-22/4/2020AD; 21-29/8/1441H.
36)	Training course entitled: The basics of cyber security. 7-9/4/2020AD; 14-16/8/1441H.
37)	Training course entitled: Operation and Calibration of Mettler Toledo Easy Pulse Titrator (Easy pH) 17/11/2019AD; 20/3/1441H.
38)	Training course entitled: The skills of using photoshop programm in university campus . 11-12/11/2019AD; 14 -15/3/1441H.
39)	Training course entitled: Construction of standardize examinations for the end of program(Exit Exam) . 7/11/2019AD; 10/3/1441H.
40)	Training course entitled: Design and preparation of effective strategic plan . 9/4/2019AD; 12 -4/8/1440H.
41)	Training course entitled: Design and analysis of electronic questionnaire in scientific research. 18-19/3/2019AD; 12 -13/7/1440H.
42)	Training course entitled: Employment of brain research in university education and learning. 24-25/10/2018AD; 14 -15/2/1440H
43)	Training course entitled: Scientific Research Based On Interview From Preparation To Publishing. 7-8/3/2016AD; 28 -29/5/1437H
44)	Training course entitled: Building Achievement Tests. 29-30/3/2016AD; 20 -21/5/1437H
45)	Training Workshop entitled: Search And Retrieval In Digital Library Databases. 16/2/2016AD; 7/5/1437H
46)	Training course entitled: ProQuest Content And Functionality. 12/3/2015AD; 22/5/1436H
47)	Training course entitled: How to use Springer database and Saudi digital librarySDL. 8-12/3/2015AD; 18 -22/5/1436H
48)	Training course entitled:Effective Teaching strategies Program. 1-2/3/2015AD; 11 -12/5/1436H
49)	Training course entitled:Presentation skills Program. 1-2/3/2015AD; 11 -12/5/1436H
50)	Training course in the e-learning using the black board. 4-6/5/2014AD; 5 -7/7/1435H
51)	Training course entitled: The development of ability for research. 11/11/2012AD;27/12/1433H
52)	Training course entitled:The usage of the statistical program SPSS. 19-23/5/2012AD;28/6 -2/7/1433H
53)	Training course entitled:The quality and academic accreditation. 3-17/3/2012AD;10-24/5/1433H.
54)	Training course entitled:The art of formulation and preparing questions in university education.30/5-/6/2009AD; 6-9/6/1430H.
55)	Training course entitled: The strategies for teaching university students.24-25/5/2008AD;19-20/5/1429H
56)	Training course entitled: The strategic planning for academic societies. 12-13/5/2008AD;7-8/5/1429H



57)	Workshop entitled: The art of communication in education.30/4-1/5/2006AD; 2-3/4/1427H
58)	Special training course in measurement and educational assessment for staff members 12-22/3/2005 AD;2-12/2/1426H

### Theses Supervised:

1. M.Sc. degree at university of Khartoum entitled : Investigation of the kinetics of the thermal decomposition of potassium peroxydisulphate.
2. M.Sc. degree at university of Elneleen entitled : Kinetics of oxidation of some reducing sugars by potassium permanganate in acidic medium by visible spectrophotometry

### Published Books:

1. *"Theoretical Bases of Qualitative and Quantitative Analysis"* Nov.2009. ISBN-6281140 O2242 6.
2. *"Experiments in Volumetric and Gravimetric Analysis"* Nov.2009. ISBN-6281140 O2243 3.

### Evaluation Committees on Theses:

1. Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “*Optimization of Enantiopure Tetrahydro-B-Carbolines as Potent Antimalarials* ” submitted by Miss/**HANAN Almolhim** as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university **13 June 2023**.
2. Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “*Characterization of Lignin Degradation Accessory Enzyme Glycolate Oxidase from Rhodococcus jostii RHA* ” submitted by Mrs/**Awatif Alrwili** as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university **31 May 2023**.
3. Head of the the scientific committee for the evaluation of the scientific seminar extracted from Ph.D theses entitled: “*Design and Synthesis of Novel Chiral Iodine (III) Reagents for Enantioselective Synthesis*” submitted by Miss/**Hayfa Alharbi** as requirement for occupation of assistant professor job at chemistry department . faculty of science ,Northern border university **17 April 2022**.
4. External examiner for evaluation of a thesis entitled: “*Synthesis, size characterization and catalytic applications of synthetic and biocompatible polymers capped copper, nickel and silver nanoparticles for efficient eco-remediations of therapeutic medicines, dyes, organic substrates in aqueous media and antibacterial and anticancer activities*” submitted by **S. Kanchana** for the award of pH.D degree at Department Of Physical Chemistry -University Of Madras-Guindy Campus -Chennai - 600 025-India **June 2017**
5. Internal examiner for evaluation of a thesis entitled: “*Improvement of Sudanese reformat gasoline by some environment friendly materials* ” submitted by **Mohammed Ezaldeen** for the award of M.Sc. degree at Omdurman Islamic University -Faculty Of Science And Technology -Department Of Chemistry**20 August 2015**.

6. Internal examiner for evaluation of a thesis entitled: "*Sorption of uranyl ion by low cost adsorbent(Refinery waste water sludge)*" submitted by **Ihab Sultan** for the award of M.Sc. degree at Omdurman Islamic University -Faculty Of Science And Technology -Department Of Chemistry **13 August 2015**.

7. Internal examiner for evaluation of a thesis entitled: "*Investigation of the kinetics of the thermal decomposition of potassium peroxydisulphate*" submitted by **Suhyla Altayp Younis** for the award of M.Sc. degree at University Of Khartoum -Faculty Of Education-Department Of Chemistry **24 September 2003**.

8. External examiner for evaluation of a thesis entitled: "*Synthesis and antimicrobial activities of some octahydro-xanthen 1,8 dione derivatives*" submitted by **Raja Bashar Suliman** for the award of M.Sc. degree at Sudan University Of Science And Technology-Faculty Of Science-Department Of Chemistry **31 July 2002**.

### Reviewer for the following specialized and reputed journals:

1. Journal of Molecular Liquids

2. Bioorganic Chemistry

3. Petroleum Chemistry

4. Journal of Physical Science

5. Oriental Journal of Chemistry

6. Journal of Physical Chemistry Research

7. Biotechnology Journal International

8. Journal of The North for Basic & Applied Sciences

### Research Interests :

#### Our research involves :

- Development and application of new methods for analytical measurements to provide improved methodology in a range of applications for Analyses of multi-component systems.
- Selective separation of organic and inorganic pollutants present in complex matrices.
- Preparation and characterization of ionic liquids to explore their potential applications in analytical chemistry including solvent extractions liquid-liquid extractions.
- Atomic absorption determination of trace elements.
- Spectrophotometric determination of transition metal elements.
- Solvent extraction techniques.
- Stoichiometric studies of complex mixtures.
- Kinetic studies and proposing of reaction mechanisms.
- Preparation and characterization of complexes.
- Preparation and characterization of nanoparticles and their applications..
- Experimental measurement and modeling of solubility data and thermodynamic properties
- Establishing Analytical Methods for Environmental Pollutants

## Accomplished Funded Scientific Research Projects:

Contribute in the following research projects funded by the Deanship of Scientific Research, Northern Border University, Kingdom of Saudi Arabia :

No	Project & Date	Investigator(s)
1)	Study on solubility and solvation thermodynamics for the advancement of biorelevant activities of L-isoleucine and L-serine in aqueous ammonium chloride solutions in the temperature range of 288.15–308.15 K Award # <b>NBU-FFR-2024-800-06</b> ( Co-investigator)	Biplab Ghosh , Jit Chakraborty , <b>Mustafa J.A. Abualreish</b> , Pratima Mondal , Kalachand Mahali , A.M.A. Henaish , Sanjay Roy
2)	Solubility Properties of Glycine in Aqueous NH <sub>4</sub> Cl and (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> Solutions from = 288.15 K to 308.15 K Award # <b>NBU-FFR-2024-800-05</b> ( Co-investigator)	A. Saha , J. Chakraborty , <b>M.J.A. Abualreish</b> , S. Kundue, K. Mahalib., S. Ganaia, P. Mukherjee and S. Roy
3)	New chelating quinoxalyl hydrazone derivative, as tridentate ligand for complexation with Co(II), Ni(II), and Cu(II) ions. Development of antitumor, antimicrobial, and DNA reactivity Award # <b>NBU-FFR-2024-800-04</b> ( Co-investigator)	Mohamed Shaker S. Adam , <b>Mustafa J. Abdelmageed Abualreish</b> , Amr Negm , Waleed E. Boraie , Eman A. Ahmed , Omran A. Omran , Ahmed Desoky M. Mohamad
4)	Synchronous analysis of acetaminophen, codeine, and caffeine in human fluids employing graphite screen-printed electrodes Award # <b>NBU-FFR-2024-800-03</b> ( Co-investigator)	Bahaa G. Mahmoud, <b>Mustafa. J. A. Abualreish</b> , Mohamed Ismael, and Mohamed Khairy
5)	Effects of calcium and barium chloride salts on the solubility and dissolution thermodynamics of glycine and DL-alanine from 288.15 K to 328.15 K. Award # <b>NBU-FFR-2024-800-02</b> ( Co-investigator)	Sourav Ghosh , Avishek Saha a, <b>Mustafa J.A. Abualreish</b> , Sintu Ganai , Puspall Mukherjee , Kalachand Mahali , A.M.A. Henaish , Bidyut Saha , Simanta Kundu , Sanjay Roy
6)	Nanocomposite TiO <sub>2</sub> ZnO coated by copper (II) complex of di-Schiff bases with biological activity evaluation Award # <b>NBU-FFR-2024-800-01</b> ( Co-investigator)	Mohamed Shaker S. Adam , Amel Taha , <b>Mustafa J. Abdelmageed Abualreish</b> , Amr Negm , Mohamed M. Makhlof.
7)	Complexation behavior of copper and zinc divalent ions towards diisatin malonyl dihydrazone ligand with biological and catalytic assessments Award # <b>NBU-FFR-2023-0171</b> ( Co-investigator)	Mohamed Shaker S. Adam, Alhanoof S. I. Alghanim1 , <b>Mustafa J. Abdelmageed Abualreish</b> , Amel Taha1 , Ahmed D. M. Mohamad
8)	Functionalized Spinel –Type Ferrites Nanoparticles for Adsorptive removal of Chemical Contaminants Award # <b>SCIA-2023-12-2172</b> ( Co-investigator)	Lotfi Ben Tahar, Roaa T. Mogharbel ,Adel Noubigh , <b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> ,
9)	Experimental study and correlation of the solid-liquid equilibrium of some amino acids in binary organic solvents Award # <b>SCIA-2023-12-2150</b> (Principal -investigator)	<b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> , Adel Noubigh, Lotfi Ben Tahar

10)	Solubility and preferential solvation of some drug compounds in binary mixed solvents at different temperatures Award # <b>SCIA-2023-12-2046</b> ( Co-investigator)	Adel Noubigh, <b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> , Lotfi Ben Tahar
11)	Nanosized nickel hexacyanoferrate modified platinum electrode for promoting hydrogen evolution reaction in alkaline medium Award # <b>NBU- FFR-2023-0019</b> ( Co-investigator)	Khaled G. Mahmoud, <b>Mustafa J. Abdelmageed Abualreish</b> , Mohamed Khairy
12)	Solubility measurement of syringic acid, trans-cinnamic acid, p-coumaric acid, and vanillin constituent of Deverra DC. genus in (ethyl acetate + ethyl alcohol) mixtures: Thermodynamic modeling and preferential solvation Award # <b>RG-NBU- 2022-1820</b> ( Co-investigator)	Adel Noubigh , <b>Mustafa Jaipallah Abualreish</b> , Roaa T. Mogharbel , Abdullah F. Alanazi , Turki S. Alanazi , Arbi Guetat
13)	Optimization of Reaction Variables in the Sol-Gel Synthesis of Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles as a Very Fast Adsorbent of Methylene Blue Award # <b>SCIA-2022-11-1487</b> ( Co-investigator)	Lotfi Ben Tahar, <b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> , Adel Noubigh
14)	Comprehensive Catalytic and Biological Studies on New designed oxo- and dioxo Metal(IV/VII) organic Complexes of Aroylhydrazone frameworks Award # <b>SCIA-2022-11-F-1796</b> ( Principal-investigator).	<b>M. J. A. Abualreish</b> ,Ahmad Desoky M. Mohamad, and Mohamed Shaker S.
15)	Clay and Cement Shielding Behavior from Gamma Sources Award # <b>NBU-FFR-2024-52-01</b> ( Co-investigator)	Mohamed Eltayeb M. Eisa, Mohammed D.M.Ali and <b>Mustafa J. Abualreish</b> ,
16)	Elastic Backscattered Cross-Sections Of <sup>14</sup> N(P, P <sub>0</sub> ) <sup>14</sup> N At High Angles Award # <b>SCI-2019-3-10-F-7797</b> ( Co-investigator)	Mohamed Eltayeb M. Eisa, Johan Andre Mars, <b>Mustafa J. Abualreish</b> , Marwa L. Waregh
17)	Temperature and salt effects of the Kinetic reactions of substituted 2-pyridylmethylene-8-quinolyl iron (II) complexes as antimicrobial and anti-cancer agents with Cyanide ions Award # <b>SCI-2019-3-10-F-5689</b> ( Co-investigator)	Ahmad Desoky M. Mohamad, <b>M. J. A. Abualreish</b> and Ahmed M. Abu-Dief
18)	Experimental measurement and modeling of solubility data and thermodynamic properties of some amino acids found in plants in aqueous chloride and sulfate salts solutions at different temperature. Award # <b>SCI-2018-3-9-F-7646</b> ( Principal-investigator). 1/5/1440H,17/1/2019	<b>Mustafa Jaipallah Abualreish</b> and Adel Noubigh
19)	Antimicrobial and anticancer activities of Cobalt (III)-hydrazone complexes: Solubilities, Transfer Chemical Potentials in different organic co-solvent - water mixtures Award # <b>SCI-2018-3-9-F-7679</b> ( Co-investigator)	Ahmad Desoky M. Mohamad, <b>M. J. A. Abualreish</b> and Ahmed M. Abu-Dief
20)	Evaluation of thermodynamic properties and correlation of L-glutamic acid solubility in some aqueous chloride solutions from 298.15 to 323.15 K. Award # <b>SCI-2017-1-8-F-7208</b> ( Principal-investigator). 1/5/1439H,17/1/2018	<b>Mustafa Jaipallah Abualreish</b> and Adel Noubigh
21)	Novel tin(IV) complexes derived from benzimidazoles: Synthesis, Molecular structure and Spectral properties. Award # <b>SCI-2016-1-6-F-4679</b> ( Co-investigator). 1/8/1437H,8/5/2016	Akreimi, A, Noubigh. A, <b>M.J.A. Abualreish</b>
22)	Synthesis of magnetite derivatives nanoparticles and their application for the removal of chromium (VI) from aqueous solutions. Award # <b>SCI-2016-1-6-F-5761</b> ( Co-investigator). 27/12/1437H,29/12/2016	Lotfi Ben Tahar, Mohamed Habib Oueslati, <b>M.J.A. Abualreish</b>
23)	Kinetics studies and effect of solvent on reactivity trends of Fe(II) and Co(III) complexes of tridentate imine and hydrazone ligands.Award # <b>SCI-2014-435-031-5</b> ( Co-investigator). 2/7/1435H,1/5/2014	Ahmad Desoky M. Mohamad, <b>M. J. A. Abualreish</b> and Mohamed Shaker S.
24)	Determination of natural phosphate (from Hazm elglamaid) by qualitative and quantitative analysis .Award # <b>SCI-2013-434-033</b> ( Co-investigator). 4/5/1434H,15/3/2013	Abdullah Aissa, Abdalazeem Abdeen, <b>Mustafa Jaipallah Abualreish</b>



No	Publications:
1.	Ashraf M. Al-Msiedeen a, Rasheed M.A.Q. Jamhour , Aseel S. Al-Soud , Firas Khalil Al-Zeidaneen , Shadi A. Alnaanah , Albara Ibrahim Alrawashdeh , <b>Mustafa J.A. Abualreish</b> , Samer Alawaideh , Jameel S.Aljariri Alhesan "Powdered Opuntia ficus-indica as an effective adsorbent for the removal of phenol and 2-nitrophenol from wastewater: Experimental and theoretical studies"(2024) <i>Desalination and Water Treatment</i> ,320,100859.
2.	Biplab Ghosh , Jit Chakraborty , <b>Mustafa J.A. Abualreish</b> , Pratima Mondal , Kalachand Mahali , A.M.A. Henaish , Sanjay Roy"Study on solubility and solvation thermodynamics for the advancement of biorelevant activities of L-isoleucine and L-serine in aqueous ammonium chloride solutions in the temperature range of 288.15–308.15 K"(2024) <i>Biochemical and Biophysical Research Communications</i> 735,150809.
3.	<b>Abualreish, Mustafa Jaip Allah Abdelmageed</b> " Mannose - Peroxydisulfate Reaction: Qualitative Product Analysis, Surface Effect And Experimental Kinetic Measurements"(2024) <i>Journal of Science and arts</i> 24 (3), pp. 663-680.
4.	A. Saha, J. Chakraborty, M.J.A. Abualreish, S. Kundue, K. Mahalib, S. Ganaia, P. Mukherjeea and S. Roy"Solubility Properties of Glycine in Aqueous NH <sub>4</sub> Cl and (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> Solutions from = 288.15 K to 308.15 K"(2024) <i>Phys. Chem. Res.</i> , 12 (4) ,1049-1064.
5.	Mahmoud, B.G., <b>Abualreish, M. J.</b> , Ismael, M., & Khairy, M." <i>Synchronous analysis of acetaminophen, codeine, and caffeine in human fluids employing graphite screen-printed electrodes</i> "(2024) <i>Analytical Methods</i> .16 ,3993-4001.
6.	Mohamed Eltayeb M. Eisa, M. D. M. Ali, <b>Mustafa J. Abualreish</b> , " <i>Clay and Cement Shielding Behavior from Gamma Sources</i> "(2024) <i>Engineering, Technology &amp; Applied Science Research</i> 14 (5) ,16166-16171.
7.	<b>Mustafa Jaipallah Abualreish</b> and Adel Noubigh" Experimental Study and Correlation of the Solid-liquid Equilibrium of Some Amino Acids in Binary Organic Solvents"(2024) <i>Korean Chem. Eng. Res.</i> , 62(2), 173-180
8.	Adel Noubigh, <b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> , Lotfi Ben Tahar "Solubility and preferential solvation of some drug compounds in binary mixed solvents at different temperatures" (2024) <i>Brazilian Journal of Chemical Engineering</i> , <a href="https://doi.org/10.1007/s43153-024-00458-8">https://doi.org/10.1007/s43153-024-00458-8</a> .
9.	Mohamed Shaker S. Adam , Mustafa J. Abdelmageed Abualreish , Amr Negm , Waleed E. Boraie , Eman A. Ahmed , Omran A. Omran , Ahmed Desoky M. Mohamad" New chelating quinoxalyl hydrazone derivative, as tridentate ligand for complexation with Co(II), Ni(II), and Cu(II) ions. Development of antitumor, antimicrobial, and DNA reactivity"(2024) <i>Inorganic Chemistry Communications</i> 166,112620.
10.	Sourav Ghosh , Avishek Saha , <b>Mustafa J.A. Abualreish</b> , Sintu Ganai , Puspall Mukherjee , Kalachand Mahali , A.M.A. Henaish , Bidyut Saha , Simanta Kundu , Sanjay Roy" Effects of calcium and barium chloride salts on the solubility and dissolution thermodynamics of glycine and DL-alanine from 288.15 K to 328.15 K "(2024) <i>Journal Of Molecular Liquids</i> 404, 124976
11.	Mohamed Shaker S. Adam , Amel Taha , <b>Mustafa J. Abdelmageed Abualreish</b> , Amr Negm , Mohamed M. Makhlouf "Nanocomposite TiO <sub>2</sub> ZnO coated by copper (II) complex of di-Schiff bases with biological activity evaluation" (2024) <i>Inorganic Chemistry Communications</i> 161,112144.
12.	Mohamed Shaker S. Adam, Alhanoof S. I. Alghanim1 , <b>Mustafa J. Abdelmageed Abualreish</b> , Amel Taha1 ,Ahmed D. M. Mohamad" Complexation behavior of copper and zinc divalent ions towards diisatin malonyl dihydrazone ligand with biological and catalytic assessments"(2024) <i>Appl Organomet Chem</i> e7394
13.	Lotfi Ben Tahar , <b>Mustafa Jaip Allah Abd Elmageed Abualreish</b> , Adel Noubigh "Optimization of reaction variables in the sol-gel synthesis of Ni <sub>10.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles as a very fast adsorbent of methylene blue" (2024) <i>Desalination and Water Treatment</i> 317,100052
14.	<b>Abualreish, Mustafa Jaip Allah Abdelmageed</b> " The Kinetic Behaviour of Mn <sup>+7</sup> /H <sup>+</sup> Ions Towards Mannose Molecule"(2023) <i>Journal of Physical Science</i> 24 (3), pp. 21 – 36

15.	<b>M. J. A. Abualreish</b> " Uncatalyzed Oxidation Of L(-)Arabinose By Acidic Manganese (Vii). Optimization,Stoichiometry, Activation Functions And Mechanism"(2023) <i>Scientific Study &amp; Research Chemistry &amp; Chemical Engineering, Biotechnology, Food Industry</i> 24 (2), pp. 081 – 096
16.	Khaled G. Mahmoud, <b>Mustafa J. Abdelmageed Abualreish</b> , Mohamed Khairy"Nanosized nickel hexacyanoferrate modified platinum electrode for promoting hydrogen evolution reaction in alkaline medium"(2023) <i>Journal of Electroanalytical Chemistry</i> 940,117513
17.	Adel Noubigh, <b>Mustafa Jaipallah Abualreish</b> , Roaa T. Mogharbel, Abdullah F. Alanazi, Turki S. Alanazi, Arbi Guetat" Solubility measurement of syringic acid, trans-cinnamic acid, p-coumaric acid, and vanillin constituent of <i>Deverra DC.</i> genus in (ethyl acetate + ethyl alcohol) mixtures: Thermodynamic modeling and preferential solvation"(2023) <i>Journal Of Molecular Liquids</i> 387, 122710
18.	<b>M. J. A. Abualreish</b> M. Mohamad Ahmad Desoky,and Mohamed Shaker S. Adam "Comprehensive Catalytic and Biological Studies on New designed oxo- and dioxo Metal(IV/VII) organic Complexes of Aroylhydrazone frameworks"(2023) <i>Journal Of Molecular Liquids</i> 375, 121309
19.	Mohamed Eltayeb M. Eisa, M. D. M. Ali, <b>Mustafa J. Abualreish</b> , "Study of Gamma-ray Shielding of Two Different Heavy Metals and their Combination for Cs-137 and Co-60 Sources "(2023) <i>Engineering, Technology &amp; Applied Science Research</i> 13 (1) ,10033-10038.
20.	<b>Abualreish .M.J.A</b> " Evaluation of Thermodynamic Properties and the effect of surface on The Uncatalyzed Thermal Decomposition Of Potassium Peroxydisulphate In Neutral Solution " (2021) <i>Research Journal of Chemistry and Environment</i> 25 (3) ,142-147.
21.	Ahmad Desoky M. Mohamad, <b>M.J.A Abualreish</b> , and Ahmed M. Abu-Dief " Temperature and salt effects of the kinetic reactions of substituted 2-pyridylmethylene-8-quinolyl iron (II) complexes as antimicrobial, anti-cancer and antioxidant agents with Cyanide ions" (2021) <i>Canadian Journal of Chemistry</i> (99),763–772
22.	Mohamed Eltayeb M. Eisa, Johan Andre Mars, <b>Mustafa J. Abualreish</b> , Marwa L. Waregh " Elastic Backscattered Cross-Sections Of $^{14}N(P, P0)^{14}N$ at High Angles" (2020) <i>Journal of Science and Arts</i> ,Year 20, No. 3(52), pp. 749-754.
23.	<b>Abualreish M. J. A</b> and Adel.Noubigh " Experimental Measurement and Correlation of two $\alpha$ -Amino Acids Solubility in Aqueous Salts Solutions from 298.15 to 323.15 K"(2020) <i>Korean Chem. Eng. Res.</i> , 58(1), 98-105 .
24.	Ahmad Desoky M. Mohamad, <b>M. J. A. Abualreish</b> and Ahmed M. Abu-Dief " Antimicrobial and anticancer activities of Cobalt (III)-hydrazone complexes: Solubilities, Transfer Chemical Potentials in different organic co-solvent -water mixtures""(2019) <i>Journal Of Molecular Liquids</i> 290, 111162.
25.	<b>Abualreish M. J. A</b> and Adel.Noubigh " Evaluation of thermodynamic properties and correlation of L- glutamic acid solubility in some aqueous chloride solutions from 298.15 to 323.15 K"(2019) <i>Canadian Journal of Chemistry</i> 97( 8) , 615-620
26.	<b>Abualreish M. J. A</b> and Mohamed Ezeldin " A Correlation Study Between The Concentrations Of Gold, Iron And Sulphate In Quartz Rock Samples Obtained From Four Different Locations In Sudan " (2018) <i>Oriental Journal of Chemistry</i> 34(5), 2384-2388.
27.	Lotfi Ben Tahar, Mohamed Habib Oueslati, <b>Abualreish M. J. A.</b> " Synthesis of magnetite derivatives nanoparticles and their application for the removal of chromium (VI) from aqueous solutions"(2018) <i>Journal of Colloid and Interface Science</i> 512,115-126.
28.	Akreml, A, Noubigh. A, <b>Abualreish M. J. A</b> " Novel organotin(IV) complexes derived from chiral benzimidazoles: synthesis, molecular structure and spectral properties"(2018) <i>Oriental Journal of Chemistry</i> 34(2), 764-770.
29.	Anwar E.M. Noreljaleel, Himat M.A. Fadul, Jan H. van der Westhuizen, M. Abdel Karim, Saad M.H. Ayuob and <b>M.J.A. Abualreish</b> " Synthesis and Structural Elucidation of 4-Hydroxy-3-Methoxy-5-aminomethylbenzaldehyde"(2018) <i>Asian Journal of Organic and Medicinal Chemistry</i> , 3(2) , 50- 53.

30.	<b>Abualreish .M.J.A</b> " <i>The effect of surface on the redox reaction between D (+) glucose and persulphate ion and evaluation of the reaction's activation energy</i> " (2018) <b>Research Journal of Chemistry and Environment</b> 22 (7) ,12-17.
31.	<b>Abualreish .M.J.A</b> and Al-msiedeem Ashraf .M " <i>Chromatographic characterization of some components of Balanites kernel oil</i> " (2017) <b>Research Journal of Chemistry and Environment</b> 21 (3) ,25-29.
32.	<b>Abualreish .M.J.A</b> " <i>Determination of the Percentages of Some Fatty Acids Present in A Sample of Olea Oil Traded in Sudanese Markets</i> " (2017) <b>Oriental Journal of Chemistry</b> , 33(2), 897-902.
33.	Mohamed Ezeldin1, Ali. M. Masaad1, <b>Abualreish M. J. A.</b> , Christina Yacoub. Ishak" <i>The Role of Isopropyl Alcohol in the Properties of Sudanese Reformat Gasoline</i> " (2017) <b>Oriental Journal of Chemistry</b> 33(4), 2085-2089.
34.	Moh.Ezeldin1, Ali. M. Masaad, <b>Abualreish M. J. A.</b> " <i>Characterization of Sudanese reformat gasoline blended with acetone</i> "(2017) <b>International Journal of ChemTech Research</b> , (10)5, 893-899.
35.	<b>Abualreish .M.J.A</b> , Al msiedeem Ashraf .M and El-eswed B" <i>Molecular structure of divalent copper ion–humic acid complexes</i> " (2016) <b>Research Journal of Chemistry and Environment</b> 20 (8) ,1-11.
36.	Anwar, E. M. Nor ELjaleel, Himat, M. A. Fadul, Saad, M. H. Ayuob, M, Abdel Karim, Jan, H. van der Westhuizen, <b>M. J. A. Abualreish</b> " <i>Synthesis of Nitrogen-Containing Chalcone Via One – Pot Three – Component Reaction : part iv</i> " (2015) <b>International Research Journal of Pure and Applied chemistry</b> ,5(1) 106-112.
37.	<b>Abualreish .M.J.A</b> and Abdallah Aissa " <i>A kinetic Study Of The Mechanism Of Oxidation Of Arabinose, Fructose and Lactose by Peroxydisulphate</i> " (2015) <b>International Journal of Basic and Applied Sciences</b> 4 (1) , 121-131.
38.	<b>Abualreish .M.J.A</b> and A.M.Al msiedeem and Bassam El-eswed" <i>Syntheses And Charcterization Of The Complexes Of Humaic Acid (Extracted From Azraq Soil in Jordan ) With Some Divalent Cations</i> " (2015) <b>Research Journal of Chemistry and Environment</b> 19 (6) ,28-35.
39.	<b>M. J. A. Abualreish</b> M. Mohamad Ahmad Desoky, and Mohamed Shaker S. Adam" <i>Kinetics of the base hydrolysis of iron (II) complexes with pyridyl–quinolyl Schiff base ligands in aqueous and aqueous/methanol binary mixtures</i> " (2015) <b>Journal of the Iranian Chemical Society</b> 12 (9) ,1521-1528.
40.	Moh.Ezeldin, Ali M. Masaad, <b>Abualreish M. J. A.</b> and Alsiddig O. Ahmed" <i>Physico-chemical Properties of Blended Gasoline Samples produced from Khartoum Refinery in Sudan</i> "(2015) <b>Research Journal of Chemistry and Environment</b> 19 (11) ,25-34.
41.	Moh. Ezeldin, Ali. M. Masaad, <b>Abualreish, M. J. A.</b> " <i>Quality improvement of reformat gasoline by using aniline and toluene</i> "(2015) <b>International Journal of Current Research</b> , 7 (9), 20531-20538
42.	Moh Ezeldin1, Ali . M. Masaad, <b>M. J. A. Abualreish</b> , Sulieman A. G. Nasir1 and A. Omer Goda" <i>Effect of Dimethyl Amine on Physicochemical Properties of Reformat Gasoline</i> "(2015) <b>Academia Journal of Scientific Research</b> 3(9), 131-141.
43.	Anwar, Nor- ELjaleel, Himat, M. A. Fadul, <b>Abualreish, M. J. A.</b> " <i>Synthesis of Mono and Di-4',4'-Dihydroxy-2,2- Diphenylpropane Mannich Side Chain</i> " (2015) <b>Research Journal of Chemistry and Environment</b> 19 (12) ,44-48.
44.	Moh Ezeldin1, Ali . M. Masaad, <b>Abualreish, M. J. A</b> , Nawal M. Suleman " <i>Effect of Diethyl amine on Physicochemical Properties of Reformat Gasoline</i> "(2015) <b>American Journal of Scientific Research</b> 106, 88-96.
45.	Abdallah Aissa, Abdalazeem Abdeen, <b>Mustafa Abualreish</b> " <i>Qualitative and quantitative analysis of phosphate rock from Hazm Al-jalamid area, northern Saudi Arabia.</i> " (2014) <b>International Journal of Basic and Applied Sciences</b> , 3 (3) , 190-198



46.	<b>Abualreish .M.J.A</b> and A.M.Al msiedeem" <i>Spectrophotometric Determination Of The Stability Constant Of Vanadium <sup>+5</sup> – p-Chloro – N- Phenyl – p-Chloro Benzo-hydroxamic acid Complex</i> " (2014) <b>International Journal of Advanced Chemistry</b> , 2 (2) 162-165 .
47.	<b>M. J. A. Abualreish</b> , Anwar, E. M. Nor ELjaleel, Himat, M. A. Fadul, Saad, M. H. Ayuob, M, Abdel Karim, Jan, H.van der Westhuizen, " <i>Synthesis of Nitrogen-Containing Chalcone Via One – Pot Three – Component Reaction : part ii</i> " (2014) <b>International Journal of Advanced Chemistry</b> , 3(1) 1-5 .
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## Community Service Activities:

No.	Activity	Date
1)	Active participation in the workshop entitled: enhancing scientific research production at the College of Science , Northern Border University, Kingdom of Saudia Arabia	12/7/1445H 24/1/2024AD
2)	Active participation in the induction day of the College of Science, Northern Border University, Kingdom of Saudia Arabia	12/7/1445H 24/1/2024AD
3)	Active participation and distinguished efforts in providing requirements, evidence, and participation in academic accreditation sessions for College of Science programs for the academic year 1444/1445 AH - Northern Border University - Kingdom of Saudi Arabia	1444/1445H 2023/2024AD
4)	Active participation and distinguished efforts in the academic accreditation project and the virtual visit to the Computer Science Program at College of Science, Northern Border Universityto obtain programmatic accreditation from the National Center for Academic Accreditation and Evaluation NCAAA at Kingdom of Saudia Arabia during the period from 23-25/10/022 AD	28-30/3/1444H 23-25/10/2023AD
5)	Active participation and distinguished efforts during the virtual visit to the College of Science at Northern Border University with the National Center for Academic Accreditation and Assessment (NCAAA) team in the Kingdom of Saudi Arabia during the period from 3-7/4/2021 AD	21-25/9/1442H 3-7/4/2021AD
6)	Participating in closing the initiative to establish proposed controls and provisions related to scientific research ethics and proposing appropriate models that meet the needs of scientific research ethics committees in implementation of the initiative (2.1.1.3) of the Northern Border University Strategic Plan 2020-2025 AD - Kingdom of Saudi Arabia.	22/8/1444H 14/3/2023AD
7)	Active participation in preparing the strategic and operational plan for programs, attracting and nurturing talented people at Northern Border University - Kingdom of Saudi Arabia., and investing their talents and abilities to serve the university and the country in general.	25/4/1441H 22/12/2019AD
8)	Participating in implementing the activities of the Mawhiba Summer Enrichment Program 2019 as a community service	26/6/1441H 20/2/2020AD
9)	Effective contribution to the success of the first phase of the standardized test(Exit Exam) organized by the vice presidency for Academic Affairs at Northern Border University- Kingdom of Saudi Arabia.	18/04/1441H 15/12/2019AD
10)	Participation and effort as a financial and administrative coordinator in the local enrichment Mawhiba program held at the Northern Border University in Arar, Kingdom of Saudi Arabia from 11-29 Dhul-Qi'dah 1440 AH.	11-29/11/1440H 13-31/7/2019AD
11)	Participation in completing the academic accreditation requirements (ABET) for the College of Engineering - Northern Border University - Kingdom of Saudi Arabia	22/03/1439H 10/12/2017AD
12)	Active participation in the arbitration of scientific research in the seventh scientific conference for students of the Northern Border University, KSA	1436/1437H 2014/2015AD
13)	Outstanding effort and serious participation in student activities for the academic year 1435/1436 AH at the College of Science - Northern Border University - Kingdom of Saudi Arabia	1435/1436H 2013/2014 AD
14)	Outstanding effort and serious participation in scientific publishing for the academic year 1434/1435 AH at the College of Science - Northern Border University - Kingdom of Saudi Arabia	1434/1435H 2012/2013 AD

<b>15)</b>	Outstanding effort and serious participation in the scientific conference for the academic year 1434/1435 AH at the College of Science - Northern Border University - Kingdom of Saudi Arabia	1434/1435H 2012/2013 AD
<b>16)</b>	Outstanding effort and serious participation in sports activity for the academic year 1434/1435 AH at the College of Science - Northern Border University - Kingdom of Saudi Arabia	1434/1435H 2012/2013 AD
<b>17)</b>	Outstanding effort and serious participation in refereeing the football league for the academic year 1434/1435 AH at the College of Science - Northern Border University - Kingdom of Saudi Arabia	1434/1435H 2012/2013 AD
<b>18)</b>	Active participation in student activity programs for the academic year 1427/1428 AH at Teachers College in Arar - Kingdom of Saudi Arabia	1427/1428H 2006/2007 AD
<b>19)</b>	Active participation in student activity programs for the academic year 1426/1427 AH at Teachers College in Arar - Kingdom of Saudi Arabia	1426/1427H 2005/2006 AD
<b>20)</b>	Active participation in student activity programs for the academic year 1425/1426 AH at Teachers College in Arar - Kingdom of Saudi Arabia	1425/1426H 2004/2005 AD
<b>21)</b>	Participation in the activities of the first Communications and Technology Forum held at the Teachers College in Arar - Kingdom of Saudi Arabia	6-8/3/1427H 4-6/4/2006AD