



Dr. HANA ABDELAZIZ ELRASHED AHMMED



About Me

I am an experienced Associate Professor with an extensive background in academic and research. I have taught a variety of courses at the Bachelor's and diplom level, including chemistry and chemical analysis and chemical devices, and have experience in research projects in areas such chemistry field, environment chemistry. I am highly organized, analytical, and have excellent communication and interpersonal skills. I am also a proficient user of a wide range of software applications, which I have used to improve the efficiency and effectiveness of my work.



Work Experience

Associate Professor in Chemistry

ASSOCIATE PROFESSOR
RED SEA UNIVERSITY
Faculty of Applied Science
Department of Applied Chemistry
2019 - 2022



Contact

+249915112461

hanaaziz55@hotmail.com

<https://scholar.google.com/citations?user=r-ytFuAAAA>

Red Sea University, Sudan

ASSISTANT PROFESSOR
RED SEA UNIVERSITY
Faculty of Applied Science
Department of Applied Chemistry
2017 - 2021

LECTUERER
RED SEA UNIVERSITY
Faculty of Applied Science
Department of Applied Chemistry
2011 - 2017



Education

PhD in Applied Chemistry

Red Sea University - Sudan

2012-2017. (March - 2017) (3 years study PhD in China from 2012 to 2015 and one year in Sudan from 2016 to 2017).

M.Sc (EXCELLENT) in Applied Chemistry

Red Sea University- Sudan

2007-2011

B.Sc (HONOUR)(Class: SECOND, Divisor ONE) in Chemical Industries

Red Sea University-Sudan

2001-2006

COORDINATOR OF
CHEMICAL LABORATORIES DIPLOMA
2017 - 2019

HEAD OF DEPARTMENT OF
APPLIED CHEMISTRY
2018 - 2019

COORDINATOR OF
MASTER PROGRAM
Applied Chemistry
2019 - 2023

Teach undergraduate courses in chemistry, chemical analysis and chemical devices.

Research projects in chemistry field, environment chemistry.



Skills

- Teaching and lecturing.
- Research Projects.
- Chemical data analysis.
- Modern analytical devices.
- Organizational skills.
- Interpersonal communication.
Problem solving.

Develop and implement curricula for new courses and programs

Provide guidance to students on academic and research related issues.

Supervise undergraduate and graduate students.

Wrote and developed course material for chemistry.



References

Prof.Salah Mergani

Red Sea University / Sudan

Phone: +249123109649

Email:

mahmodsaad000@yahoo.com

Prof. Babiker Karama

Karary University / Sudan

Phone: +249912389074

Email:

Babiker.k.abdalla@gmail.com

Dr.Abdelmahmod Saad

Red Sea University / Sudan

Phone: +249912675201

Email:

salahmergany@gmail.com

Date of birth: Sep 12.9.1983

Place of birth: Sudan – portsudan

Nationality: Sudanese

Sex: Female

Marital status: Single

Publications

1/ **Hana Abd Elaziz**, Salah Mergani, Effect of wastewater on soil in Portsudan, Red sea university Journal, 2013, Vol. 3, P. 9 -18.

2/ Adalmahmod Saad, **Hana AbdElaziz**, Adam mosa, Extraction Of Natural Saponin And Used As Natural Detergent Additives For Engine Oil, Al-Neelain University - Nile Basin Studies Journal, 2016, Vol. 19, P. 25-36.

3/ Adalmahmod Saad, **Hana AbdElaziz**, Adam mosa, Production of Base Oil From Sudanese Crude Oil Based on the properties, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690, April 2016, Vol. 1 Issue 1, P. 37-46.

4/ **Hana Abd Elaziz**, Abdelmottaleb Abdu, Salah Mergani, Extraction of Copper and Iron from

Gold Mining Waste in Khor – Mouj – Portsudan, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690, April 2016, Vol. 1 Issue 1, P. 63-70.

5/ **Hana Abd Elaziz**, Babiker K. Abdalla, Salah Mergani, Characterization and Improved Treatment of Dialysis Water, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690, March 2017, Vol. 2 Special Issue (1), P. 269-274. (Note: It published after my PhD 1/3/2017).

6/ Adalmahmod Saad, **Hana AbdElaziz**, Mustafa Ohaj, Effect of Amino Acid On Dissociation of Peroxodisulphate Ion Based On Silver Ion As Catalyst, Red sea university Journal of Basic and Applied Science, ISSN: 1858-7658, 2017, Vol (2) Special Issue (2), P. 263-272.

7/ Salma Mohamed Ahmed, **Hana AbdElaziz**, Salah Mergani, Abdallah Alabed, Effect of Purification Sodium Chloride produced From Sea Based on Solar Evaporation, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690, June 2018, Vol. 2, P. 37- 44.

8/ **Hana Abd Elaziz**, Babiker K. Abdalla, Salah Mergani, Comparison between Delayed Coker and Charcoal to Enhanced Wastewater Treatment, Red sea university Journal of Basic and Applied Science, ISSN: 1858 - 7690, June 2018, Vol. 2, P. 19- 28.

9/ Omya Algamer, **Hana AbdElaziz**, Adalmahmod Saad, Nabil H. H Bashir and Yousif O. H. Assad, Control of H. elaterii by Citrulluscolocynthis L. fruit aqueous extract, Red sea university Journal of Basic

and Applied Science, ISSN: 1858 -7690, June 2018, Vol. 2, P. 29- 36.

10/ Salah Mergani, Zakia **AbdElaziz**, Abdallah Alabed, Comparison between methods utilized for Ascorbic acid extracted from Baobab Fruit, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690, June 2018, Vol. 2, P. 37- 44.

11/ Salah Murghani, Musaab Abdalla Osman, **Hana AbdElaziz**, Nazar Mohammed Gabra, , The Effect Of Color Additives In Food (Sweet And Ice - Cream), Red sea university Journal of Basic and Applied Science, ISSN: 1858-7658, Vol. 4, June 2019.

12/ **Hana Abd Elaziz**, Babiker K. Abdalla, Salah Mergani, Enhanced Chemical Treatment of Biologically Based Wastewater Processes, Red sea university Journal of Basic and Applied Science, ISSN: 1858-7658, 2019.

13/ Omima Mustafa, Adalmahmod Saad, **Hana AbdElaziz**, The Application of Hazard Analysis and Critical Control Point in Fruit Juice Manufacturing, Neelain Journal of Science and Technology NJST.(ISSN 1858 - 8131), Volume3, Issue 1, June 2019, x-xx.

14/ Eman Shaiba, Adalmahmod Saad, **Hana AbdElaziz**, Nazar Gabra, Synthesis and Characterization of Zinc Oxide Nanoparticles Based in Biologically Activity, Butan Journal of Applied Science, 1 (4), June 2019.

15/ **Hana AbdElaziz**, Abdalmahmod Saad, Babiker K. Abdalla, Green Synthesis of Silver nanoparticles in different media based on Syzygium cumini Extracts, Journal of biotechnological sciences (ISSN: 2308-0043), V-8; I (1): 21-28 March (2020).

16/ **Hana AbdElaziz**, Babiker K. Abdalla, Salah Mergani, Enhanced Wastewater Treatment Based on Adsorbent Material, Journal of biotechnological sciences (ISSN: 2308-0043), V-8; I (2): 144 - 150 September (2020).

20/ Adalmahmod Saad, Eman Shaiba, Obied Basheer, **Hana AbdElaziz**, Extraction of Saponin from B.aegyptiaca for Utilized as an Antibiotic, Butan Journal of Applied Science.

Presented Paper in

Conference at Malaysia

17/ **Hana Abd Elaziz**, Adalmahmod Saad, Babiker K. Abdalla, Green Synthesis of Silver Nanoparticles based on Hypoxis Hemerocallidea Extracts, 10 th iFSC-2018, 24 Oct. 2018.

Articles in Review

18/ Omya Algamer, **Hana AbdElaziz**, A. Saad, Nabil H. H Bashir and Yousif O. H. Assad, Effect of Natural Insecticides Extracted on stages H. elaterii, Red sea university Journal of Basic and Applied Science, ISSN: 1858 -7690

19/ Omima Mustafa, Adalmahmod Saad, **Hana AbdElaziz**, Water Quality for Local Juice Manufacturing based on Critical Control Points, Red sea university Journal of Basic and Applied Science, ISSN: 1858 - 7690.

21/ Noon Abdelallah, Luma Moustafa, Ahmed Hamid, **Hana AbdElaziz**, Nazar Gabra, Synthesis and Characterization Zinc Oxide nanoparticles by Wet Colloid Chemical Method based on Biological Activities, Neelain Journal of Science and Technology

NJST.(ISSN 1858 - 8131).

22/ **Hana ABDELAZIZ**, Soraya Shafawati MOHAMAD TAHIER, Green Synthesis of Silver Nanoparticles Utilizing Reducing Agent Based on Magnolia Virginiana Extracts.

Research Statement

I have been research with group, in petroleum field such as base oil, lubricant oil and additives for lubricant oil. And I have been research in Applied Chemistry field and Catalysis

My recently projects

- Green / Chemical synthesis and Characterization of nanoparticles and applications.

- Synthesis Drugs such as Quinine and anticancer from Natural Products such as Marine Invertebrates.

- Extraction of organic acids from natural

productions.

Note: Soon, I will study catalysts such as synthesis, testing and application for petroleum products.

Patents

- Extraction of Copper and Iron from Gold Mining Waste in Khor – Mouj – Portsudan. Patent number: 3634.

- And another one in registration procedures for this study: Characterization and Improved Treatment of Dialysis Water.

Committees Members in Academic and Scientific Research

- The World Academy of Science, Engineering and Technology.
- Member in ResearchGate.
- Member in Google Scholar.
- Member in ORCID.

- Member in LinkedIn.
- Member in Academia.
- Reviewer in Journal of Engineering and Computer Science (JECS), in Chemistry field.
- Reviewer in Red sea university Journal of Basic and Applied Science, ISSN: 1858-7658.
- Reviewer in First International Conference on Engineering and Applied Sciences (ICEAS 2017), at Red Sea University, Port Sudan, Sudan.
- Committee s Curriculum of Master in Applied Chemistry.

- Committee Member in Curriculum of High Diploma in Applied Chemistry
- Committee Member in Curriculum of Bachelors in Chemical Industries / Applied Chemistry.
- Committee Member in Curriculum of Diplom in Chemical Laboratories.
- Internal Examiner for Master Degree in Applied Chemistry, Department of Applied Chemistry, Faculty of Postgraduate Studies, at Red Sea University, 3 time.
- Committee Member in Examination Bachelor Committee in Faculty of Applied Science.
- Committee Member in Examination Diploma Committee in Faculty of Applied Science.
- Supervised for 3 Master Students in Applied Chemistry and one Master Student under my supervising until now.
- Supervised for 3 Master

Students in Applied Chemistry and one Master Student under my supervising until now.

- Supervised for many researches for Bachelors Degree in Chemical Industries, Department of Applied Chemistry, Faculty of Applied Science, Red Sea University.
- Supervised for many researches for Diplom Degree in Chemical Laboratories, Department of Applied Chemistry, Faculty of Applied Science, Red Sea University.

Languages:

Arabic – English.

RED SEA UNIVERSITY



جامعة البحر الأحمر

No. RSU:

Date:

المرور: ج ب أ / م / 2022/18

التاريخ: 2022/10/25

مكتب المدير
Vice Chancellor Office

السيد / د. هناء عبدالعزيز الرشيد أحمد

المعزز

السلام عليكم ورحمة الله تعالى وبركاته

الموضوع/ الترقية الى درجة أستاذ مشارك

تهديكم إدارة الجامعة أطيب تحاياها ، سائلين الله عز وجل لكم دوام التوفيق والسداد
يسرني أن أنقل إليكم بأن لجنة ترقية أعضاء هيئة التدريس في اجتماعها رقم (43) بتاريخ
23/أكتوبر/2022م ، قد وافقت على ترقيتكم إلى درجة أستاذ مشارك في تخصص كيمياء ، وذلك
اعتباراً من 2021/11/30م .

أمنياتنا لكم بمزيد من التقدم والنجاح

والله ولي التوفيق ...

د. عبدالقادر بدوي محمد

مدير الجامعة



صورة لـ

- وكيل الجامعة

- أمين الشؤون العامة

- عميد كلية العلوم التطبيقية

- مدير الإدارة العامة للموارد البشرية

- د. هناء عبدالعزيز الرشيد أحمد

- مدير الإدارة العامة للشؤون المالية

- نازحة الناهية

- المستشار القانوني

- الخ

العنوان: شارع جامعة البحر الأحمر - حي العبدون - سوان - السودان

Tel: +968 341 22776 - Fax: +968 341 22776 - P.O.Box: 24 Postbox - Sultan

E-mail: info@rsu.edu.sa



Student Number



The Republic of Sudan
RED SEA UNIVERSITY
Faculty of Graduate Studies



0001523

CERTIFICATE

CERTIFICATE FOR HIGHER DEGREE

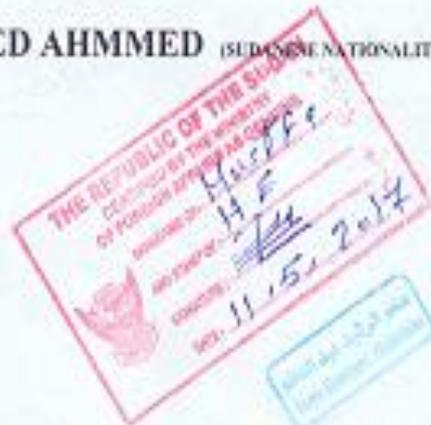
THIS IS TO CERTIFY THAT

NAME : HANA ABDELAZIZ ELRASHED AHMMED (SUDANESE NATIONALITY)

Has been awarded the Degree of **Ph.D**

In **APPLIED CHEMISTRY**

On **01/03/2017**



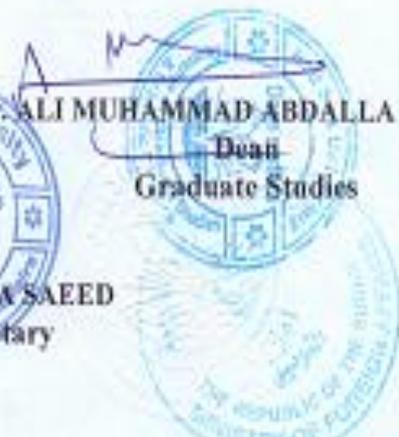
By the Senate of the Red Sea University . In its meeting NO. (129)



Dr. MUTASSIM MOHAMMAD OSMAN
Registrar
Graduate Studies



Dr. MUSA ABDALLA SAEED
Academic Secretary



Dr. ALI MUHAMMAD ABDALLA
Dean
Graduate Studies



(Any Alteration Invalidates The Certificate)

Date : 15/03/2017



Student Number

Republic of The Sudan

RED SEA UNIVERSITY

Deanship of Graduate Studies



0000337

CERTIFICATE FOR HIGHER DEGREE

THIS IS TO CERTIFY THAT

(Name) **HANA ABDELAZIZ ELRASHED AHMMED** (SUDANESE NATIONALITY)

Has been awarded the Degree of **M.Sc.**

In **APPLIED CHEMISTRY**

On **16/02/2011**

By the Senate of the Red Sea University, **In its meeting NO. (93)**

PROF. AHMED ABDEL AZIZ AHMED

Dean

Graduate Studies

DR. MUHAMMED SELIM AHMED OM

Registrar

Graduate Studies

Dr. ELGAILY M. BARIKER AHMED

Academic Secretary

Date : 26/2/2012

(Any Alteration Invalidates The Certificate)



Student Number : 01110109



The Republic of Sudan
RED SEA UNIVERSITY



0002806

CERTIFICATE

This is to certify that the Senate has awarded

Name : **HANA ABDELAZIZ ELRASHED AHMMED**

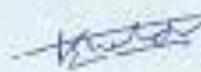
The Degree of : **B.Sc (HONOUR) IN CHEMICAL INDUSTRIES**

Class **SECOND** Division **ONE**

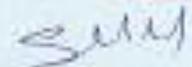
In the Faculty of : **APPLIED SCIENCE**

Having successfully completed the prescribed courses

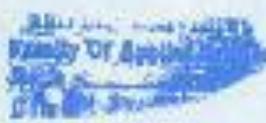
Date of graduation : **19/12/2006**


KHALID A. SHACKOUR
Registrar

RECEIVED IN THE OFFICE OF THE REGISTRAR
RECEIVED BY: *[Signature]*
DATE: *2/12/2006*


Dr. SALAH M. MOTWAKEL
Dean Faculty


Dr. FATMA IBRAHIM MOHAMED ALI
Academic Secretary



Date : **15/ 4/2007**

(Any Alteration Invalidates The Certificate)

العدد القياسي للبريد 2004 - 2004

الرمز	العدد القياسي للبريد	العدد القياسي للبريد	العدد القياسي للبريد
A	3	3	3
B	3	3	3
C	1	1	1
D	1	1	1
D*	2	2	2

العدد القياسي للبريد 15 - العدد القياسي 42 - العدد القياسي 120

العدد القياسي للبريد 2004 - 2004

الرمز	العدد القياسي للبريد	العدد القياسي للبريد	العدد القياسي للبريد
A	4	4	4
B	1	1	1
C	3	3	3
D	1	1	1
D*	3	3	3

العدد القياسي للبريد 18 - العدد القياسي 140

العدد القياسي للبريد 2004 - 2004

الرمز	العدد القياسي للبريد	العدد القياسي للبريد	العدد القياسي للبريد
A	3	3	3
B	4	4	4

العدد القياسي للبريد 9 - العدد القياسي 33 - العدد القياسي 147

العدد القياسي للبريد 2004 - 2004

الرمز	العدد القياسي للبريد	العدد القياسي للبريد	العدد القياسي للبريد
B	1	1	1
B	3	3	3
C	2	2	2

العدد القياسي للبريد 8 - العدد القياسي 147

العدد القياسي للبريد 17 - العدد القياسي 18 - العدد القياسي 117

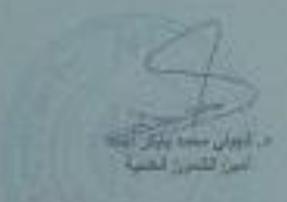
170	العدد القياسي للبريد
171	العدد القياسي للبريد

العدد القياسي للبريد 2004

العدد القياسي للبريد 115 - العدد القياسي 115 - العدد القياسي 115 - العدد القياسي 115 - العدد القياسي 115

العدد القياسي للبريد

الرمز	العدد القياسي للبريد	العدد القياسي للبريد
A	100 - 10	4
B	10 - 10	3
C	10 - 10	2
D	10 - 10	1
D*	العدد القياسي للبريد	1



العدد القياسي للبريد 2004

اي مخطط او تعديل يلغى هذه الشهادة



大连理工大学 国际教育学院

School of International Education
Dalian University of Technology

Dalian 116024, P. R. China
Tel: 0411-84706048 84708897
Fax: 0411-84770361
E-mail: dutsice@dlut.edu.cn

Certification

Date: 24/12/2015

This is to certify that

HANA ABDELAZIZ ELRASHED AHMMED, female, Sudan, born on 12/9/1983, she is a doctoral student with registration number 11225033. She has been studying Chemical Engineering in Faculty of Chemical, Environmental and Biological Science and Technology at Dalian University of Technology in China from 1/9/2012 to 23/12/2015.

School of International Education

Dalian University of Technology



教育部直属全国重点大学
The State Key University Directly under the Ministry of Education of the People's Republic of China

大连理工大学

DALIAN UNIVERSITY OF TECHNOLOGY

研究生成绩单(学分制)

Graduate student's Academic Transcript (Credit System)

姓名: 伊莱扎
Name: HANA ABDEL AZIZ ELRASHED AHMED
院系: 化工与环境生命学部(化工)
Dept: Faculty of Chemical, Environmental and Biological Science and Technology

学号: 11225033
Registration Number: 11225033
专业: 化学工程
Major: Chemical Engineering

性别: 女
Gender: Female

编号 NO.	课程 Courses	学分 Credit Hour	学期考试成绩 Term Test Score			
			1		2	
			1	2	3	4
1	汉语言基础(全英文授课) Basis of Chinese Language	2.0	87			
2	论文写作与学术规范 Papers Writing and Academic Standards	1.0		80		
3	中国文化概况(硕士留学生选课) Overview of Chinese Culture	3.0		93		
4	化工传递 III(全英文授课) Transport Process in Chemical Industry II	2.5		66		
5	现代分析化学 Advanced Analysis Chemistry	2.5	68			
6	膜分离过程 Membrane Separation Processes	2.0	78			
7	反应工程 II Chemical Reaction Engineering II	3.0	82			
8	膜科学与技术研究的新进展 Advance Membrane Science and Technology Research	2.0		81		

NOTES: P: Pass of the course with no specific grade

校对 (Collator): 王家星

审核(Signature): 付崇彬



جمهورية السودان

وزارة العدل

المسجل العام للملكية الفكرية

وثيقة براءة



صادرة بموجب أحكام المادة 19 (1) من قانون براءات الاختراع لسنة

1971م، والمادة (16) من اللائحة (الأمودج رقم 7)

هذه البراءة منحت تحت مسؤولية من منحت إليه دون ضمان لصحتها

المادة 18 (3) من القانون

بناء على الطلب المقدم بتاريخ 25 / 12 / 2016م تحت الرقم 2016/4355م نشهد بأن المذكورين أدناهم قد

منحوا براءة اختراع تحت الرقم 3634

1- تاريخ التجديد: 25 / 12 / 2017م

2- اسم صاحب البراءة : مبراز طه إدريس صالح - عابده علي محمد آدم - مروه علي الياس أحمد - سعاد مبروك حسين محمد
هناك عبدالعزيز الرشيد أحمد

3 - عنوان صاحب البراءة : جامعة البحر الاحمر _ كلية العلوم التطبيقية _ قسم المعامل الكيميائية

4- اسم الإختراع : إستخلاص معدني النحاس والحديد من مخلفات تعدين الذهب

5- وصف الإختراع :

تم إستخلاص معدني الحديد والنحاس من مخلفات تعدين الذهب بعملية الطفو . وتم ذلك بأخذ X جرام من العينة ووضعت في
دورق مخروطي ثم أضيفت اليها 7 مل من الماء المقطر بواسطة المخبر المدرج وأضيفت X جرام من كبريتات الكالسيوم وإضافة
7 مل من المذيب (الزيت النباتي المستخدم) مع الخلط المستمر ووضعت العينة في المحرك المغناطيسي لمدة نصف ساعة ثم
ترك المحلول لمدة 10 دقائق لكي يتم التطويق ثم أجريت عملية الترشيح وغسل الراسب بالماء ونقل إلي الفرن لمدة ساعة
ونصف ثم إلي المجفف وبعد ذلك تم قياس نسبة الحديد والنحاس في العينات . قياس نسبة الحديد والنحاس المستخلصة من
تعدين الذهب يعرف الجهاز (XRF) يعمل بنظام أشعة X المفلورة حيث لكل معدن طول موجي معين .

6- حقوق الامتياز المراد حمايتها :-

(1) حماية طريقة إستخلاص النحاس والحديد من مخلفات تعدين الذهب كما جاء بالوصف أعلاه .

(2) حماية الإنتاج والتصنيع .

7- اسم المخترع الحقيقي : مبراز طه إدريس صالح - عابده علي محمد آدم - مروه علي الياس أحمد - سعاد مبروك حسين محمد
هناك عبدالعزيز الرشيد أحمد

8- تجدد البراءة سنوياً .

صدرت هذه الوثيقة تحت توقيعي في الثلاثون من يناير سنة الفين وسبعة عشر ومنح براءة إختراع تحت
مسئوليتي .

عادل خالد هلال

مسجل عام الملكية الفكرية



