

Curriculum Vitae

Ahmed Mohammed Abu-Dief, Ph.D. 2013

Personal information



Full Name *Ahmed Mohammed Abu-Dief Mohammed*
Date of Birth *April 4th, 1985*
Gender *Male*
Place of Birth *Fazara, El-Maragha, Sohag, Egypt.*
Address *3rd floor, Flat No.3, Ali Ebn Abi Talib str., behind
Hospital University of Sohag, Sohag city.*
Marital Status *Married*
Citizenship *Egyptian*
Military Status *Exempted*
Occupation *Assistant Professor, Chemistry Department, Faculty of
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Education

September, 2014- June, 2015 Post doctor, Faculty of Chemistry, Oviedo University, Spain.

2011- 2013	Ph.D. Student in Bioinorganic / Physical Chemistry
2008-2010	M. Sc. in Inorganic / Physical Chemistry Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.
2007- 2008	Preliminary of Master of Science in Inorganic Chemistry (V.GOOD with degree of honors) Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.
2002- 2006	B. Sc. in Chemistry (Excellent with degree of honors with Centenary Rate 85.99 %) Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.
M. Sc. Thesis's Title	Solvent and Temperature Effects on the Kinetic of Reactions and Their Reactivity Trends of Some Coumarin Derivatives.
Supervisors	Prof. Dr. Ezz-Eldin A. Abu-Gharib Dr. Rafat Mohamed El-Khatib Dr. Lobna Abdel-Mohsen Ebaid Nassr
Ph.D Thesis's Title	Design, Physicochemical Studies, interaction with DNA and Kinetic Investigation of The Reactivity of Some Multifunctional Complexes Containing Schiff Bases
Supervisors	Prof. Dr. Laila Hamdan Abd El-Rhman Dr. Rafat Mohamed El-Khatib Dr. Lobna Abdel-Mohsen Ebaid Nassr

Qualifications and Experiences

1. Academic

2018-Present	Assistant professor, Chemistry Department, Faculty of Science, Sohag University
2013- 2018	Lecturer, Chemistry Department, Faculty of Science, Sohag University
2010- 2013	Assistant Lecturer, Chemistry Department, Faculty of Science, Sohag University
2007-2010	Teaching Assistant, Chemistry Department, Faculty of Science, Sohag University

Postgraduate students

- 1- Advanced Inorganic Chemistry**
- 2- Advanced Instrumental Analysis**
- 3- Special course in Inorganic Chemistry**
- 4-Practical Inorganic Chemistry**

Undergraduate Students Theoretical Courses

Advanced Coordination Chemistry	4 th Biology and Chemistry groups year Chemistry group
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Lanthanides and Actinides	4 th year Chemistry group
Organometallic Chemistry	4 th year Chemistry group
Transition elements	3 rd year Biology and Chemistry groups
Molecular Spectroscopy	3 rd year Biology and Chemistry groups
Main group (S, P Block elements)	2 nd year Biology and Chemistry groups
General Chemistry and Qualitative Analysis	1 st year Biology and Chemistry groups
Kinetic theory	2 nd year Chemistry groups

Practical Courses

Instrumental Methods of Analysis	4 th year Chemistry and Biology students
Applied Analytical Chemistry	4 th year Chemistry students
Applied Inorganic Chemistry	4 th year Chemistry students
Chemical Kinetics	3 rd year Chemistry and Biology students
Gravimetric analysis	3 rd year Chemistry and Biology students
Advanced Physical Chemistry	3 rd year Chemistry and 4 th year Biology students
Practical Physical Chemistry	2 nd year Chemistry students
Advanced Analytical Chemistry	2 nd year Biology and Chemistry groups
Quantitative Methods of Analysis	1 st year Biology and Chemistry groups
Practical Qualitative Chemistry	1 st year Biology and Chemistry groups

Research Experience and Interests

Research Projects at Faculty of Science, Sohag University, Egypt, over the period of 2007 – Present.

- 1- Study the kinetic of base-catalyzed hydrolysis of various highly biological activity Chromen-2-one derivatives in different media.
- 2- Make Initial state and Transition state analysis for solvent effect on reactivity trends of some coumarin derivatives.
- 3- Determination of thermodynamic and transfer properties of ions for some organic and inorganic compounds.
- 4- Study the effect of pH on the stability of Some Organic and Organometallic Pigment compounds.
- 5- Design and characterization of Schiff base-amino acid complexes and study their interaction with DNA and their antioxidant activity
- 6 – Make teratogenicity and antibacterial testing for the prepared Schiff base-amino acid complexes.
- 7- Design and study of multifunctional systems containing Schiff base ligands and 4f metals towards the development of nano devices.
- 8- Preparation and characterization of surface modified magnetite nanoparticles with controlled size.
- 9- Functionalization of magnetic nanoparticles for in catalytic reactions.
- 10 -Functionalization of nano medical plants for water purification.
- 11- Design of new nano photocatalysts for oxidations of dyes and water purification.
- 12- Synthesis of nano curcumin for biological applications.
- 13- Green synthesis of nanoparticles for medical and industrial applications
- 14- Sharing the supervision of the research projects workers by the final year bachelor students.

Skills and Experiences

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|-------------------------------------|---|
| 1. Inorganic and Physical Chemistry | <ul style="list-style-type: none"> • Interested in knowledge of methods of coordination chemistry and methodology including preparation of complexes and their characterization by UV-Visible spectra, IR, NMR, CHN, conductance, thermal analysis and spectrophotometer determination of the stoichiometry. • Magnetic Properties of complexes and their dependence in solvent composition. • Bonding in transition metal complexes and crystal field theory. • Reaction of complexes, coordination equilibria and mechanisms of ligand substitution. • Kinetics and reactivity trends of indicator and laser dye compounds. • Thermodynamic and transfer properties of ions and their |
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dependence in solvent composition and solvent structure.

- Kinetics of DNA interaction with coordination compounds.
- Design and formation of single crystals of multifunctional systems containing Schiff bases and transition elements.
- I have good knowledge in the use of GC tool for checking the product in catalytic reactions.
- I succeeded to obtain more than 7 single crystals of ligands and 8 complexes of lanthanides during my collaboration with Barcelona and Oviedo universities in Spain and analyze them using X-ray diffraction analysis.

Editorial board in journals

- Executive Editor in the journal of **Archives in Chemical Research**. <http://www.imedpub.com/archives-in-chemical-research/editors.php>.
- Member in editorial board for Journal of Current Trends in Medicinal Chemistry.
- Member on The Science Advisory Board as global community of scientific professionals
<https://www.scienceboard.net/profile/827380164>
- Member in editorial board for the journal of Modern Chemical Sciences
- Member in editorial board for SF Journal of Nanochemistry and Nanotechnology
https://scienceforecastoa.com/Journal_Related/Journal_Pages/Journal_EditorialBoard.aspx?JId=J1030_SJNN
- Member in editorial board for Innovations in Corrosion and Materials Science
- Member in editorial board for Current Inorganic Chemistry
- Member in editorial board of Current Catalysis journal
- Member in editorial board of The Open Bioinformatics Journal
- Member in editorial board of Journal of Pharmacology and Therapeutic Research
<http://www.alliedacademies.org/journal-pharmacology-therapeutic-research/editors.php>
- Member in editorial board of Der Chemica Sinica
<http://www.imedpub.com/der-chemica-sinica/editors.php>
- Member in editorial board of Journal of Chemical Compounds and Biochemistry
<https://www.scientinternational.com/chemical-compounds-biochemistry/editorial-board.php>
- Member in editorial board of Portico journal of Chemistry

<http://porticoscience.com/editorial-board-members/#Inorganic-Chemistry>

- Member in editorial board of Molecular Biology & Molecular Imaging journal
<https://www.scientinternational.com/molecular-biology/editorial-board.php>
- Member in editorial board of Journal of Formulation Sciences and Bioavailability
<https://www.omicsonline.org/formulation-science-bioavailability.php>
- Member in editorial board of Research and Reports in Medical Sciences
<https://www.omicsonline.org/editor-profile/dr-ahmed-mohammed-abudief/>
- Member in editorial board of journal of Gene Science and Engineering
<http://ojs.whioce.com/index.php/gse/about/editorialTeam>
- Member in editorial board of Journal of Applied Chemical Engineering.
<http://systems.enpress-publisher.com/index.php/ACE/about/editorialTeam>
- Member in editorial board of journal of Trends in Diabetes and Metabolism
[http://www.oatext.com/Trends-in-Diabetes-and-Metabolism-TDM.php#Editorial Board](http://www.oatext.com/Trends-in-Diabetes-and-Metabolism-TDM.php#Editorial_Board)
- Member in editorial board of Clausius Scientific Press (**Inorganic Chemistry: A Journal**)
<https://www.clausiuspress.com/journal/INORGC/editorialBoard.html>
- Member in editorial board of International Journal of Nanoparticles & Nanotechnology
http://helicgroup.net/journal/member_details/NanoscienceandNanotechnology/235/22
- Member in Asian Chemical Society (AChemS)
<https://www.asianchemicalsociety.org/members.php>
- Member in editorial board of SM Journal of Medicinal Plant studies
<http://smjournals.com/medicinal-plant-studies/editorial-board.php>

- Member in editorial board of archives of natural and medicinal chemistry
https://www.gavinpublishers.com/journals/board_members/archives-of-natural-and-medicinal-chemistry-ISSN-2577-0195
- Member in editorial board of Journal of Information Chemistry
- Member in editorial board of Journal of Chemical Research and Application
<http://ojs.whioce.com/index.php/jcra/about/editorialTeam>
- Member in editorial board of International Journal of Organic and Inorganic Chemistry
<https://www.gudapuris.com/international-journal-of-organic-and-inorganic-chemistry-editorial-board.php>
- Member in editorial board of journal of Probe – Chemistry
- Member in editorial board of International Journal of Food and Bioscience
http://innovationinfo.org/index.php/journal/editorial_board_member/Dr-Ahmed-Mohammed-Abu-Dief
- Member in UNESCO Nano-Sciences/Engineering Program-an On-line Academic Services for Selected Courses in Nano-Sciences/Engineering Program-managed by Center of Excellence-Arab Academy for Science, Technology & Maritime Transport.
- Member in editorial board of Journal of Scientific Research and Reports
<http://www.sciencedomain.org/journal/22/editorial-board-members>
- Member in editorial board of journal of Materials Science: Advanced Industrial Materials
- Member in editorial board of journal of Condensed Matter Physics Report
<http://ojs.whioce.com/index.php/cmpr/about/editorialTeam>
- Member in editorial board of Chemical Engineering and Nanotechnology journal
<http://ojs.bbwpublisher.com/index.php/cen/about/editorialTeam>
 - Member in editorial board of Insight-Chemistry journal.
<http://insight.piscomed.com/index.php/C/about/editorialTeam>
- Member in editorial board of Probe-Chemical and Biochemical Engineering
<http://probe.usp-pl.com/index.php/CBE/about/editorialTeamBio/1087>
- Member in editorial board of Fine Chemical Engineering
- Member in editorial board of Acta Scientific Pharmaceutical Sciences
https://actascientific.com/editorial_popup-asps.php?editor_id=2893
- Member in editorial board of Journal EC Clinical & Medical Case Reports
https://www.echronicon.com/editorial_popup.php?id=13884
- Member in editorial board of Advances in Pharmaceutical Research journal
<http://medhawi.org/EditorialBoard.jsp?jid=1316222>

2. Computer Skills

- Excellent computer skills, besides using operating systems and various program packages for Microsoft.
- I have got international computer deriving license certificate (ICDL), October 2010.
- I have got the training programs "Teaching assistant 1" and "Teaching assistant 2" from the supreme council of universities, Central Unit of ICT Training (CUICTT), May, 2007.
- I have got a certificate in Statistical program for social science (SPSS) June, 2007.
- I have obtained a certificate in Photoshop June, 2007.
- I have obtained a certificate of has successfully completed the Oracle university course "User Adoption Services (Eagle Program)", 2007.
- I have obtained a Certificate of has successfully completed the Oracle Database and object-relational database management system (ORDBMS):
 - Oracle Database 10g : Introduction to SQL
 - Oracle Database 10g : Program with PL/SQL
 - Oracle Database 10g : Workshop I
 - Oracle Database 10g : Workshop II
- I have got training program from Orascom Training &Technology (TOT), 2007.
- I work as a Trainer in ICT project from July 2007 - Present.
- I have got a certificate for attendance a cycle in Web Publishing using Front Page April, 2008

- I have got a certificate for attendance a cycle in Advanced Power Point, June, 2008
- I have got a certificate for attendance a cycle in Advanced Spread Sheet, September, 2010
- I have got a certificate for attendance a cycle in Advanced Word Processing, November, 2012.
- I work as trainer in IC3 (Internet and Computing Core certification) for under and post graduate students of Sohag university, 2017

Grade and appreciation Certificates

- Certificate of successfully completing the online course ACS Reviewer Lab from ACS publications 27-10-2018.
- Appreciation certificate from IT training center, Sohag University, for effective participation in training of TOT as trainer, 9/2018.
- Certificate from Oxygen team for attendance of Security, Safety and Crisis management Seminar, Faculty of science, Sohag University, 27 Feb. 2018.
- Appreciation certificate from Egypt Science and Engineering fair for Judging of research projects of students, Red Sea, 24-26 Feb. 2018.
- Appreciation certificate from Intel International Science and Engineering Fair (Intel ISEF) for Judging of research projects of students, Sohag 2017.
- Appreciation certificate from Elsevier publisher for Highly Cited Research of my manuscript from my PHD in the Journal of Molecular Structure (2013-2016)
- Certificate of attendance workshop in environmental priorities in Sohag for the next five years, 29-12-2015.
- Certificate of Cycle in Scientific thinking and Argumentation Skills for problem Solving and how

- to present Scientific Data, DAAD, Sohag University, 12,13 / 4 / 2014
- Certificate of workshop in dealing with changes, DAAD, Sohag University, 30 / 11 / 2015.
 - Certificate of Cycle in How to present scientific data, Scientific Thinking and Argumentation Skills for solving problems, DAAD, Sohag University, 14, 15 / 12 / 2013.
 - Certificate of Cycle in implications of medical tests and drug interactions with food, March 2012 Sohag, Egypt.

 - Certificate of Cycle in Proposal writing and Ethics in Science, DAAD, Sohag University, 8 / 4 / 2012.
 - Certificate of Cycle first aids, March 2012 Sohag, Egypt.

 - I have got training Certificate of Cycle of human development, March 2012 Sohag, Egypt.

 - Certificate of completion of the French language course with a total score of 188/200, 1-10 to 1-11/2010.

 - Institutional Toefl Certificate with a total score of 537, Feb. 2010.

 - Having Grade Certificates from the faculty and Leadership Development Project of:
 - Scientific Publication, December 2017
 - Educational application of SPSS December, 2015
 - Time management and meetings, December,17-19, 2011.
 - Financial and legal aspects in the business college, July, 26-28, 2011.
 - Software systems of examinations and student assessment, July, 19-21, 2011.
 - Crisis Management, July, 16-18, 2011.
 - Having Grade Certificate entitled with "Preparing of the university Teacher" from 16-3/2008-28-3-2008 in Faculty of Education,

Sohag University, Sohag, Egypt.

- Ethics of Scientific Research, August, 28-30, 2007.
 - Teaching by credit hours system, July, 10-12, 2007.
 - Development of Effective Thinking skills, July, 7-9, 2007.
 - Development of Effective Show skills, July, 7-9, 2007.
 - Use of Technology in Teaching, June, 19-21, 2007.
 - Scientific Research manners, June, 2-5, 2007.
- General English Course level II with a percentage of 85%, July 2007.

Awards

- Third Youth Researchers Conference Award, Sohag University, 26, 27 March 2012
- University Encouragement Award in Basic Sciences, 2016/2017.
- Fourth Youth Researchers Conference Award, Sohag University, April 2018
- Award of the best university website at the university level as assistant professor, Sohag University, December 2018

Projects

- Design and study of multifunctional systems containing Schiff bases, curcuminoid ligands and 4f metals towards the development of nano devices” 2011-2012, AECID, program 7-PCI-EGIPTE (AP/040924/ 11) Barcelona University, Spain.
- Solubility studies and Transfer Chemical Potentials in different organic co-solvent -water mixtures of Cobalt (III)-hydrazone complexes as Antimicrobial and anticancer agents, Grant No. 7679-SCI-2018-3-9-F from the Deanship of Scientific Research at Northern Border University, Arar, K.S.A.

I work as reviewer for many manuscripts in different journals such as:

- 1- Applied Organometallic Chemistry (20 manuscripts).
- 2- Journal of Coordination Chemistry (3 manuscripts).
- 3- Arabian Journal of Chemistry (1 manuscript).
- 4- Journal of Molecular Structure (6 manuscripts).
- 5- Journal of Organometallic Chemistry (1 manuscript)
- 6- European Journal of Medicine Chemistry (1 manuscript).
- 7- Journal of pharmaceutical and applied Chemistry (2 manuscripts).
- 8- Journal of Advances in Chemistry (2 manuscripts).
- 9- American Journal of Physical Chemistry (3 manuscripts).
- 10- Journal of Pure and Applied Chemistry (2 manuscripts).
- 11- Open Journal of Inorganic Chemistry (9 manuscripts).
- 12- Science Journal of Chemistry (3 manuscripts).
- 13- American Journal of Applied Chemistry (AJAC) (5 manuscripts).
- 14- Green and Sustainable Chemistry Journal (6 manuscripts) .
- 15- Journal of the Chemical Society of Pakistan (1 manuscript).
- 16- Advances in biochemistry Journal (1 manuscript)
- 17- Research and Reviews: Journal of Medicinal Chemistry (1 manuscript).
- 18- Journal of Chemistry (1 manuscript).
- 19- International Research Journal of Pure and Applied Chemistry (15 manuscripts)
- 20- Mediterranean Journal of Chemistry (2 manuscripts)
- 21- African journal of pure and applied chemistry (3 manuscripts).
- 22- Biomedical Chromatography (1 manuscript).
- 23- British Journal of Applied Science & Technology (1 manuscript).
- 24- Indian Journal of Traditional Knowledge (1 manuscript).
- 25- Frontiers in Applied Chemistry (1 manuscript).
- 26- Polish Journal of Environmental Studies (1 manuscript).
- 27- Biological Sciences and Pharmaceutical Research (1 manuscript).
- 28- Journal of Horticulture and Forestry (1 manuscript).
- 29- Journal of Medicinal Plants Research (1 manuscript).
- 30- Chiang Mai Journal of Science (1 manuscript).
- 31- Metabolomics journal (2 manuscripts).
- 32- Journal of Current Synthetic and Systems Biology (2 manuscripts).
- 33- Current pharmaceuticals analysis journal (1 manuscript).
- 34- Journal of Current Trends in Medicinal Chemistry (1 manuscript).
- 35- Journal of Nanostructure in Chemistry (1 manuscript).
- 36- Current Topics in Medicinal Chemistry (1 manuscript).
- 37- Journal of Molecular Liquids (2 manuscript).
- 38- BAOJ Chemistry (1 manuscript).
- 39- American Journal of Nano Science (1 manuscript).
- 40- British Journal of Medicine and Medical Research (1 manuscript).
- 41- Current Physical Chemistry (1 manuscript).
- 42- Journal of Applied Chemical Science International (2 manuscripts).
- 43- Chemical Papers (2 manuscripts).

- 44- Journal of Scientific Research and Reports (1 manuscript).
- 45- Journal of Advanced Research (2 manuscripts).
- 46- Journal: Microbial Pathogenesis (1 manuscript).
- 47- Gazi University Journal of Science (1 manuscript).
- 48- Indian Journal of Science and Technology (1 manuscript).
- 49- Scientia Iranica Journal (1 manuscript)
- 50- Chemistry Select (3 manuscripts).
- 51- Asian Journal of Chemical Sciences (5 manuscripts).
- 52- Environment, Development and Sustainability (1 manuscript).
- 53- Combinatorial Chemistry & High Throughput Screening (1 manuscript).
- 54- Journal of Computational Chemistry & Molecular Modelling (1 manuscript).
- 55- Journal of Pharmaceutical Research International (9 manuscripts).
- 56 – Journal of Hazard Materials (1 manuscript).
- 57- Journal of Physics and Chemistry of Solids (2 manuscripts).
- 58- Annual Research & Review in Biology (5 manuscripts).
- 59- Drug Designs (1 manuscript).
- 60- Journal of Photochemistry & Photobiology, B: Biology (3 manuscripts).
- 61- Pontificia Universidad Javeriana (1 manuscript).
- 62- Der Chemica Sinica (1 manuscript).
- 63- Chemical Science International Journal (10 manuscripts).
- 64- Journal of Applied Biotechnology & Bioengineering (1 manuscript).
- 65- Journal of Transition metal complexes (1 manuscript).
- 66- Journal of Applied Physical Science International (1 manuscript).
- 67- Water Science and Technology (7 manuscripts).
- 68- Asian Journal of Biotechnology and Bioresource Technology (2 manuscripts)
- 69- The 4th International conference on Water Resource and Environment (WRE 2018) (1 manuscript).
- 70- Research on Chemical Intermediates (4 manuscripts).
- 71- South Asian Journal of Research in Microbiology (2 manuscripts).
- 72- Journal of International Research in Medical and Pharmaceutical Sciences (1 manuscript).
- 73- Scientific Research publishing (1 manuscript).
- 74- Journal of Engineering and Applied Sciences (1 manuscript).
- 75- Asian Journal of Applied Chemistry Research (2 manuscripts).
- 76- Microbiology Research Journal International (2 manuscripts).
- 77- RSC Advances (2 manuscripts).
- 78- Egyptian Journal of Chemistry (2 manuscripts).
- 79- Inorganic and Nano-Metal Chemistry (2 manuscripts).
- 80- The 3rd International Conference on New Material and Chemical Industry (1 manuscript).
- 81- Asian Journal of Biochemistry, Genetics and Molecular Biology (1 manuscript).
- 82- New Materials, Compounds and Applications (1 manuscript).
- 83- Journal of Materials Science & Engineering C (2 manuscripts).

- 84- Asian Journal of Research in Medical and Pharmaceutical Sciences (1 manuscript). 85- Journal of Applied Life Sciences International (1 manuscript).
- 86- Asian Journal of Research in Biochemistry (1 manuscript).
- 87- Journal of Complementary and Alternative Medical Research (2 manuscripts).
- 88- Mahatma Gandhi University, Kottayam, Kerala , India (1 Book Chapter).
- 89- Inorganic Chemistry Communication (1 manuscript).
- 90- Journal of Advances in Medicine and Medical Research (1 manuscript).
- 91 - International Journal of Biochemistry Research & Review (1 manuscript).
- 92- Journal of Basic and Applied Research international (1 manuscript).
- 93- South Asian Research Journal of Natural Products (1 manuscript).
- 94- SF Journal of Nanochemistry and Nanotechnology (2 manuscripts).
- 95- Polish Journal of Chemical Technology (1 manuscript).
- 96- Journal of Geography, Environment and Earth Science International (1 manuscript).
- 97- Journal of Materials Science Research and Reviews (1 manuscript).
- 98-To Chemistry journal (5 manuscripts).
- 99- Asian Journal of Biology (1 manuscript).
- 100- International Journal of Pathogen Research (1 manuscript).
- 101- Archives of Natural and Medicinal Chemistry (1 manuscript).
- 102- Journal of the Serbian Chemical Society (1 manuscript).
- 103- Nucleosides, Nucleotides and Nucleic Acids (1 manuscript).
- 104- Chemistry Open (1 manuscript).
- 105- New journal of Chemistry (1 manuscript).
- 106- Acta Polytechnica journal of advanced engineering (1 manuscript).
- 107- Bioorganic Chemistry (1 manuscript).
- 108-Journal of Biomolecular Structure & Dynamics (2 manuscripts).
- 109- New Journal of Glass and Ceramics (NJGC) (1 manuscript).
- 110- Annals of Chemical Science Research (1 manuscript).
- 111- Zeitschrift für Physikalische Chemie (1 manuscript).
- 112- Materials Today Chemistry (1 manuscript).
- 113- ACS Applied Nano Materials (1 manuscript).
- 114- Optical Materials (1 manuscript).
- 115-Journal of Materials Science (1 manuscript)
- 116-Microbiology Research International (1 manuscript).
- 117-SN Applied Sciences (5 manuscripts).
- 118- Crystal Growth & Design (1 manuscript).
- 119- Advances in Tissue Engineering & Regenerative Medicine (1 manuscript).
- 120- Advances in Natural Sciences: Nanoscience and Nanotechnology (1 manuscript).
- 121- Inorganic Chemistry Frontiers (1 manuscript).
- 122- African Journal of Environmental and Science Technology (1 manuscript).
- 123- Material Science & Engineering International Journal (1 manuscript).
- 124- Materials Science in Semiconductor Processing (1 manuscript).
- 125- Sky Journal of Biochemistry Research (SJBR) (1 manuscript).
- 126- Materials (1 manuscript).
- 127- ACS Sustainable Chemistry & Engineering(1 manuscript).
- 128- Soft matter (1 manuscript).
- 129- Dyes and Pigments (1 manuscript).

**Contribution
to the development
of University
Projects**

- General Secretary of the Third International Conference on Applied Chemistry (ICAC 2019), to be held from 23-27 October 2019 in Hurghada.
- Director of the Strategic Planning Unit, Faculty of Science, Sohag University, April 2019.
- Member of the Board of Directors of Environment and Community Development Service, March 2019
- Member in the team work of Projects Management Unit in Sohag University, 25-7-2018
- Member in the team work of Technology Innovation Commercialization Office (TICO), Sohag University , 30-5-2018
- Member in the team work of the organizing committee for the preparation of Second Environmental Festival, Faculty of Science, Sohag University, 6-8/5-2018
- Member in the team work of the organizing committee for the preparation Third Annual Scientific day of Faculty of Science, Sohag University, 16-4-2018
- Deputy Director of Quality Management, Faculty of Science, Sohag university, 22-Feb. 2018
- Member of the organizing committee for 2nd International Conference on Applied Chemistry (ICAC-2), Hurghada, Egypt, November 25-27, 2017.
- Member of the organizing committee for 2nd International Conference on Chemical & Pharmaceutical Sciences' Applications, Sharm El-Sheikh, Egypt 8-11 Aug. 2017

- Prime Standard of Graduate Studies, January 2017
- Member in the team work of the organizing committee for the preparation of Second Annual Scientific day of Faculty of Science, Sohag University, 20-4-2018
- Member of the organizing committee for 1st International Conference on Applied Chemistry (ICAC-1), Hurghada, Egypt, March 14-17, 2016.
- Member in the team work of the organizing committee for the preparation of work shop in the role of Faculty of Science in Development of the Environment and Community service, Sohag University, 12/8/2014.
- Member in the team work of the organizing committee for the preparation of work shop of converting teaching courses to electronic courses 11/2013.
- Director Committee for the Development of Human Resources October, 2013 -2014.
- Member in the team work of the organizing committee for the preparation of the first work shop of Chemistry and Environment, Faculty of science, Sohag university, 24/3/2013
- Member in the team work of the organizing committee for the preparation of work shop of Egyptian Chemical Society, faculty of science, Sohag university, 3-5/3/2013
- Member in the team work of the organizing committee for the preparation of the celebrate of Faculty of science, Sohag university by obtaining certificate of Accreditation

- Member of the organizing committee for Egyptian-German Workshop “Water Issues in Eastern African contexts, 7th December 2011, Sohag University.
- Co-director for Security and Safety Unit and Crises Management in the CICAP at faculty of science, Sohag University, 2011-2012.
- Member of the team work for the Quality Assurance Students Project (QASP) at Faculty of Science, Sohag University, entitled "Enhancement of the participation of students and graduates in continuous improvement fields", 2011.
- Member of the organizing committee for 11th International Chemistry Conference and exhibition in Africa (The role of chemistry in Development of Africa) (11ICCA), 20-23 November, 2010, Luxor, Egypt.
- Member of the team works in the unit of follow-up the graduates in the CICAP at faculty of science, Sohag University, 2011-2013.
- Co-director for "Management of a Human Resources Development Unit" in the CICAP at faculty of science, Sohag University, 2010-2011.

**Contribution to
Scientific Student
Activities**

- Chairman of organizing committee for preparing of work shop of Hazardous waste disposal, 1-4-2018.
- Chairman of organizing committee for preparing of work shop of "Modern medical analysis and stem cell therapy", Sohag University, 14-2-2018.
- Pioneer family start for student activities, Faculty of Science, Sohag University, 2017/2018

- Member in organizing committee for workshop on "The role of Forensic Chemistry in Criminal laboratories, Faculty of Science, Sohag University, 15-16/11/2017.
- Director of the Scientific trip for fourth year students of Chemistry Department Faculty of Science Sohag University to the Alexandria, Egypt, 1-6/4/2017.
- Director of the scientific trip for fourth year students of Chemistry Department Faculty of Science Sohag University to the Alexandria, Egypt, 25-31/3/2016.
- Director of the scientific trip for the third year students of Chemistry department faculty of science Sohag University to the Nile Company for oils and detergents in Sohag, Egypt, 5/12/2013.
- Co-director of the Scientific trip for the fourth year students of Chemistry department Faculty of Science, Sohag University to Sugar factory in Kena, Egypt, 15/3/2012.
- Co-director of the scientific trip for the fourth year students of Chemistry department faculty of science Sohag University to the Nile Company for oils and detergents in Sohag, Egypt, 1/3/2012.
- Doing computer simulation for some experiments using a number of computer programs (i.e, Crocodile Chem., Chemlab and Virtual Chem Lab).

List of Publications

1. Laila H. Abdel-Rahman , Antar A. Abdelhamid , Ahmed M. Abu-Dief , Mohamed R. Shehata , Mohamed A. Bakheet, Journal of Molecular Structure 1200, 2020, 127034.
2. Mohamed Shaker S. Adam, Laila H. Abdel-Rahman, Ahmed M. Abu-Dief & Nahla A. Hashem (2019) Inorganic and Nano-Metal Chemistry, DOI: 10.1080/24701556.2019.1672735
3. Mohamed Shaker S. Adam , Laila H. Abdel-Rahman, **Ahmed M. Abu-Dief**, and Azza A. Hassan Abdel-Mawgoud, Journal of transition metal complexes, 2, 2019,-14
4. Laila H. Abdel-Rahman, **Ahmed M. Abu-Dief**, and Azza A. Hassan Abdel-Mawgoud, LAMBERT Academic Publishing 2019, ISBN- 13: 978-620-0-26448-0
5. Laila H. Abdel-Rahman, **Ahmed M. Abu-Dief**, and Azza A. Hassan Abdel-Mawgoud, Annals of Chemical Science Research, ACSR.000518. 1(4).2019.
6. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Mohamed R. Shehata and Azza A. Hassan Abdel-Mawgoud, J. Phys. Org. Chem., accepted manuscript, August 2019
7. **Ahmed M. Abu-Dief** , Annals of Chemical Science Research, ACSR.000515. 1(3).2019
8. Ahmad Desoky M. Mohamad, M.J.A. Abualreish, **Ahmed M. Abu-Dief**, Journal of Molecular Liquids 290 (2019) 111162
9. Mahmoud A. Ali Ali El-Remaily, **Ahmed M. Abu-Dief** and O.Elhady, Appl. Organometal. Chem., 2019, 33, e5005.
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59. Laila H. Abdel Rahman ; R. M. El-Khatib,; Lobna A. E. Nassr and **Ahmed M. Abu-Dief**, Russian Journal of General Chemistry, 2014, 84, 9, 830–1836.
60. I publish my second part of Ph.D. thesis book in Lambert Academic Publishing GmbH & Co. KG einrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany, ISBN: 978-3-659-59301-7, 2014.
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Scopus

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Conferences
and
workshops

1. Attendance of work shop on the future of new programs, Sohag University, 8 July 2019
2. Attendance of work shop on Newten-Mosharafa Fund, Sohag University, 2 July 2019
3. Attendance of the fourth work shop on Internal Audit Program "Principles of Internal Audit " Sohag University, 21-22 April 2019
4. Attendance of Aseminar of "Anti-addiction and drugs" Faculty of Science, Sohag University, 16-4-2019
5. Attendance of the third work shop on Internal Audit Program "Curriculum Map and Learning Outcomes" Sohag University, 14-15 April 2019
6. Attendance of work shop on "Electronic Tests and Evaluation Ethics" Faculty of Science, Sohag University, 14-4-2019.
7. Attendance of work shop on "Egypt Government Excellence Award " Faculty of Science, Sohag University, 11-4-2019.
8. Attendance of work shop on "Building the Egyptian character " Faculty of Science, Sohag University, 11-4-2019.
9. Attendance of work shop on "Soap Production" Faculty of Science, Sohag University, 10-4-2019.
10. Attendance of the second work shop on Internal Audit Program "Strategic plan" Sohag University, 7-8 April 2019
11. Attendance of work shop on "The new chemistry paints" Faculty of Science, Sohag University, 8-4-2019.
12. Attendance of work shop on "The Pyramids of Giza: The Truth between Watching and Building Theory" Faculty of Science, Sohag University, 8-4-2019.
13. Attendance of work shop on "The way to research" Faculty of Science, Sohag University, 7-4-2019.
14. Attendance of the first educational forum between Sohag University and university of Science and Technology of Oran USTO-MB, Faculty of Scince ,Sohag University, 31-3-2019.
15. Attendance of work shop on 'Design and Learning Basic Science Curriculum to Improve Higher Education', Hurghada, 28 March 2019
16. Attendance of work shop on 'Strengthening Links Between Local Industries and Universities, Hurghada 27 March 2019
17. Ahmed M. Abu-Dief, 14th International Conference on Chemistry and its Role in Development (ICCRD'14) Mansoura-Hurghada 26-29 March 2019
18. Attendance of the first work shop on Internal Audit Program "Self-Evaluation of the Foundation" Sohag University, 24-25 March 2019
19. Attendance of a work shop of DAAD " Constructive Assessment for

- learning" Sohag University, 21 March 2019
20. Attendance of a work shop of "Future of Mining in Egypt is between Mining planning and Added Value", Faculty of Science, Sohag University, 18 March 2019
 21. Attendance of a seminar of Endemic diseases and their avoidance by the individual and the family, Faculty of Science, Sohag University, 17 March 2019
 22. Attendance of Education recipients for employment, Sohag University, 16 March 2019
 23. Attendance of a work shop of DAAD for proposal writing of Post Doctor, Sohag University, 10 March 2019
 24. The Fourth Annual Scientific day of Faculty of Science, Sohag University, 5 March 2019, Sohag University.
 25. Attendance of a work shop of ground penetration radar :principles an applications in exploration geophysics , Sohag University,4/3/2019
 26. Attendance of a work shop of Preparing and downloading electror courses Sohag University,24/2/2019
 27. Attendance of a work shop of Super Medical Rep., Sohag University,16/2/2019
 28. Attendance of a workshop of Mines Leaders, Sohag University,8/2/2019
 29. Attendance of the First Scientific Congress of Junior Geoscientist in Egypt, Faculty of Science, Sohag University,3-4/2/2019
 30. Attendance a workshop of Tectonic of the earth, Faculty of Science, Sohag University, 3/12/2018
 31. Attendance of Seminar on volunteer work , Faculty of Science, Sohag University, 8/11/2018
 32. Attendance a workshop of Electronic Correction, Faculty of Science, Sohag University, 6/11/2018
 33. Attendance a workshop of introduction for drilling and mud logging, Faculty of Science, Sohag University, 3/11/2018
 34. Attendance a workshop of capacity building detail project, Faculty of Science, Sohag University, 28/10/2018
 35. Attendance a workshop of Petroleum exploration and production overview, Faculty of Science, Sohag University, 25/10/2018
 36. Attendance of the first forum to modernize the scientific research system , Sohag University,24/10/2018
 37. Attendance of the 5th national Erasmus + day at Nile hotel, Garden City, Cairo, 8/10/2018
 38. Ahmed M. Abu-Dief, 20th International Conference on Green Inorganic Chemistry and Applications, oral presentation, Vancouver, Canada, 6 October 2018.
 39. Attendance of the first conference of innovation, Sohag University, 2/10/2018.
 40. Attendance a workshop about Introducing the IELTS exam Sohag University, 26/9/2018.

41. Attendance a workshop about SciVal database, Elsevier, Sohag University, 24/9/2018.
42. Attendance a workshop of how to activate websites, Faculty of Science, Sohag University, 23/9-2018.
43. Attendance a workshop of Examination and examination of the crime scene and its role in the criminal investigation, Sohag University, 1-3/9-2018.
44. Attendance of Second Environmental Festival, Faculty of Science, Sohag University, 6-8/5-2018
45. Attendance of Seminar in "University assessment in light of quality standards" 29 April 2018, Faculty of Science, Sohag University.
46. Ahmed Mohammed Abu-Dief, The Fourth Scientific Conference for Young Researchers "The role of Scientific research in Sustainable Development", oral presentation, 17, 18 April 2018 Sohag University.
47. The third Annual Scientific day of Faculty of Science, Sohag University, 16 April, Sohag University.
48. Attendance of the Fourth Scientific conference on Water conservation in Egypt between theory and practice, 15 April 2018 , Sohag University
49. Attendance of First Scientific Forum for Young Researchers, 15 April 2018 , Sohag University
50. Attendance of Hazardous waste disposal Seminar, Faculty of Science, Sohag University, 1 April. 2018
51. Attendance of Security, Safety and Crisis management Seminar, Faculty of science, Sohag University, 27 Feb. 2018
52. Attendance workshop on Streamline Science, 28 Feb. 2018, Faculty of Science, Sohag University
53. Attendance workshop on Services of the Egyptian Knowledge Bank EKB, Sohag University, 11,12 Feb. 2018.
54. Attendance workshop on Endemic diseases, treatment and prevention (Heart, Cancer, Virus C, Brain bleeding and blood pressure diseases) 11-12-2017), Faculty of Science, Sohag University, Sohag, Egypt.
55. Attendance workshop on Strategies for self-qualification for competition locally and globally, Sohag University, 23-11-2017.
56. Attendance workshop on " The role of Forensic Chemistry in Criminal laboratories ((Toxin and Drugs, 15-11-2017) and (Counterfeiting and Forgery 16-11-2017)), Faculty of Science, Sohag University, Sohag, Egypt.
57. Attendance workshop on " How to Protect yourself from infection and bad effects, 12-11-2017, Faculty of Science, Sohag University, Sohag, Egypt.
58. Attendance workshop on " How to Prepare Self-Study for the College to Advance Quality Assurance and Accreditation, 4-10-2017, Faculty of Science, Sohag University, Sohag, Egypt.
59. Ahmed M. Abu-Dief, Omar Meshaines, María A. Villa-García, 2nd

International Conference on Chemical & Pharmaceutical Sciences' Applications, Sharm El-Sheikh, Egypt 8-11 Aug. 2017 (ICCPASA-2017).

60. Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, and Azza A. Mohammed S. Adam, 3rd International Conference New Horizons in Basic and Applied Science, ICNHBAS 2017, 5 – 7 August 2017, Hurghada, Egypt.
61. Attendance the workshop on the strategic plan for Faculty of Science, Sohag University, Sohag, 3/5/2017
62. Attendance the second scientific day of Faculty of Science, Sohag University, Sohag, 19/4/2017
63. Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, and Azza A. Mohammed S. Adam, International conference on chemistry and its role in development, Mansura University, Sharm El-Sheikh, 20-24 / 3 -2017.
64. Attendance workshop on "Egyptian Fulbright Scholar program" 2-3-2017, Faculty of Science, Sohag University, Sohag, Egypt.
65. Attendance workshop on "The new standards for the accreditation of higher education institutions" 17-1-2017, Faculty of Science, Sohag University, Sohag, Egypt.
66. Attendance workshop on "Project financing by the European Union program "Erasmus" for the development of higher education and its mechanisms", 1-1-2017, Faculty of Science, Sohag University, Sohag, Egypt.
67. Attendance workshop on "Exam paper and the most important points learned from the commission exam paper assessment report specification", 17 December 2016, Faculty of Science, Sohag University, Sohag, Egypt.
68. Attendance workshop on "Description of courses and programs, and how to prepare reports of courses and programs", 13 December 2016, Faculty of Science, Sohag University, Sohag, Egypt.
69. Attendance workshop on how to obtain European union project 7 December 2016, Faculty of Science, Sohag University, Sohag, Egypt.
70. Attendance a Lecturer in Physical Properties under Extreme Conditions in Unconventional Superconductivity, 21 November 2016, Faculty of Science, Sohag University, Egypt.
71. Attendance the workshop in World of Modern Paints, 17 November 2016, Faculty of Science, Sohag University, Egypt.
72. Ahmed M. Abu-Dief, International Conference on Chemical Sciences & Applications 6-9 Aug 2016, Alex. Egypt.
73. Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, M. A. Abd- El Sayed, Mallak Megalea Zikry , International Conference on Chemical Sciences & Applications 6-9 Aug 2016, Alex. Egypt.
74. Attendance the first Scientific day of Faculty of Science, Sohag University, Sohag, 20/4/2016.
75. Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, M. A. Abd- El Sayed,

- Mallak Megalea Zikry, 1st International Conference on Applied Chemistry (ICAC-1) Applied Chemistry for Community Development, Hurghada, Egypt, March 14-17, 2016.
76. Attendance the workshop in Humboldt Kolleg On "Nanotechnology and Nanomaterials For Sustainable Development" 02-04 February, 2016 Luxor, Egypt.
 77. Attendance the workshop in environmental priorities in Sohag through the next five years, Faculty of Science, Sohag University, Egypt, 29/12/2015.
 78. Attendance the workshop in "Dealing with changes" within the DAAD Cairo Alkademi, Sohag University, 29-November 2015.
 79. Ahmed M. Abu-Dief, M. Said-Abdelbaky b and S. García-Granda, The second International Conference on New Horizons in Basic and Applied Science, 1 - 3 August 2015, Hurghada, Egypt.
 80. Attendance the workshop in Secrets of scientific publishing, Faculty of Science, Sohag university, Egypt, 1/1/2015.

 81. Attendance the workshop in Water analysis and purification, Company of Drinking Water and Sanitation, Village of Neda, Sohag, 10/8/2014.

 82. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Rafat M. El-Khatib and Lobna A. E. Nassr, poster presentation, 5th international conference in Chemistry, 26-29 April 2014, Abha, Palace hotel, Abha. KSA.
 83. _ Attendance the workshop in "How to present Scientific data" within the DAAD Cairo Alkademi, Sohag University, 13-April 2014.
 84. Attendance the workshop in " Scientific Thinking and Argumentation skills for problem solving" within the DAAD Cairo Alkademi, Sohag University, 12-April 2014.

 85. **Ahmed M. Abu-Dief**, Raúl Díaz-Torres, Eva Carolina Sañudo, Laila H. Abdel-Rahman, Núria Aliaga-Alcalde, poster presentation, the first conference in nanotechnology, 26-28 Feb. 2013.
 86. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Rafat M. El-Khatib and Lobna A. E. Nassr”, International Conference on New Horizons in Basic and Applied Science, 21 - 23 September 2013, Hurghada, Egypt.
 87. Attendance the first workshop in Chemistry and Environment, oral presentation, Faculty of Science, Sohag University, 24/3/2013.
 88. Attendance a workshop in synthesis of Novel Nano sized materials, Sohag University, 5- December- 2012.
 89. Attendance a Workshop in Scientific Writing, Alexandria, 25-November- 2012.
 90. Attendance a Workshop in Chemical Safety, Alexandria, 25-November -2012.

91. Attendance a Workshop in Chemical Education, Alexandria, 24-November- 2012.
92. Attendance the conference of the prospects for development in Sohag, 3/10 /2012.
93. Attendance a workshop in Skills using global databases in a global research, 5/10 /2012.
94. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Rafat M. El-Khatib and Lobna A. E. Nassr” The first conference in chemistry development and science diplomacy in Alexandria 24-26 November, **2012**.
95. Attendance a workshop in Establish scientific journals and how it obtained the World Ranking 25/8/2012
96. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Rafat M. El-Khatib and Lobna A. E. Nassr” Design, Characterization, DNA Interaction and antimicrobial of novel copper(II) Schiff base amino acid complexes” Vth International Conference on Molecular Materials– Barcelona, 3-6 July, **2012**.
97. **Ahmed M. Abu-Dief**, Laila H. Abdel-Rahman, Rafat M. El-Khatib and Lobna A. E. Nassr” Synthesis, Characterization, DNA Interaction and antibacterial of Some Bio molecular Iron (II) Schiff Base Amino Acid Complexes derived from Bromosalicylaldehyde” , Vth International Conference on Molecular Materials– Barcelona, 3-6 July, **2012**.
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- 1- Exploring physicochemical, biological and DNA binding properties of Fe(II) and Cu(II) chelates incorporating some amino acid Schiff bases, **Nahla Ali Hashem**, approved in **December 2015**.
- 2- Thesis's title: Structural elucidation, DNA interaction, biological evaluation, electrical and catalytic properties of some tri and tetra dentate imine complexes as an effective strategy for preparation of nano-sized metal oxides, **Samar Kamel Hamadan**, approved in **May 2016**.
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9- Physicochemical, Biological and Catalytic Studies on Some Ag (I), Pd(II) and Cu(II) Complexes, **Hanan El-Sayed Ahmed**, approved in **November 2018**

10- The possible role of nanocurcumin in experimental statin induced myopathy, **Ebtsam Abdelrahem Shaaban**

11- Physicochemical, Pharmaceutical and Interaction with DNA Studies of Some Transition Metal Chelates derived from Azomethine Ligands Incorporating Quinolines and Pyrimidines as Chemosensors, **Asmaa Mohamed Mahran**

12- Design, Structural inspection, Pharmaceutical and Interaction with DNA Studies of Some transition metal chelates derived from pyrano[2,3-d]thiazol-2-one ligands, Tarek El-Dabih Nassr.

PhD Thesis Supervision

1-Biological Studies and DNA Interaction of Some Transition Metal Complexes Incorporating Multi-Substituted Aryl Imidazoles, **Mohammed Abdelal Bakhit**

2- Physical Studies on Some Schiff base Complexes and Metal Oxides in Nanometric Scale, **Ahmed Shafaie**, approved in **July 2018**

3- Design, Structural Investigation, DNA Interaction, Antimicrobial and Anticancer Activities of Some New Ag(I), VO(II), Pd(II) Complexes Encompassing Chemosensor Imine Ligands, **Azza Ahmed Hassan**, approved in **November 2019**

4- Eco-friendly synthesis of silver nanoparticles using extracts of some medicinal plants and their different applications, **Mallak Megalea Zikry**.