



awad said

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Chemistry Department, Faculty of Science, Assiut University, 71516, Assiut,
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WORK EXPERIENCE

20/12/2004 – 27/02/2010

DEMONSTRATOR – CHEMISTRY DEPARTMENT - FACULTY OF SCIENCE - ASSIUT UNIVERSITY

Teaching of Practical Organic Chemistry: Biochemistry, Stereochemistry, Organic Synthesis, Dyes and Fibers, Microanalysis, Petroleum, the techniques of Spectroscopy Analysis as IR, NMR, Mass, and UV for Undergraduate students.

Education | <http://www.aun.edu.eg/> | Assiut University, 71516, Assiut, Egypt

28/02/2010 – 29/04/2016

ASSISTANT LECTURER – CHEMISTRY DEPARTMENT - FACULTY OF SCIENCE - ASSIUT UNIVERSITY

Education | <http://www.aun.edu.eg/> | Assiut University, 71516, Assiut, Egypt

30/04/2016 – 29/04/2021

LECTURER – CHEMISTRY DEPARTMENT - FACULTY OF SCIENCE - ASSIUT UNIVERSITY

Assiut, Egypt

30/04/2021 – CURRENT – Assiut, Egypt

ASSOCIATED PROFESSOR – CHEMISTRY DEPARTMENT - FACULTY OF SCIENCE - ASSIUT UNIVERSITY

EDUCATION AND TRAINING

21/09/2000 – 25/06/2004 – Assiut, Egypt

BACHELOR OF SCIENCE (B.SC.) – Assiut University

1. Quantum Chemistry
2. Natural Product
3. Molecular Symmetry and Group Theory
4. Stereochemistry
5. Biochemistry
6. Photochemistry
7. Molecular Spectroscopy
8. Thermodynamics
9. Organic Chemistry
10. Inorganic Chemistry
11. Analytical Chemistry
12. Quantum Physics
13. Chemotherapy
14. Carbohydrates
15. Lipids and proteins
16. Synthetic Organic Chemistry

17. Fibers and Dyes 18. Statistics
19. Alkaloids 20. Crystallography

Field(s) of study

- Chemistry

17/11/2007 – 31/01/2010 – Assiut, Egypt

MASTER OF SCIENCE (M.SC.) – Assiut University

In my master (that was in synthetic organic chemistry) I had studied the cycloaddition reactions in organic synthesis, I gained the experiences about carrying out the chemical reactions and the choice of the suitable conditions for improving the yield and controlling the stereochemistry of the products, also I learned more about the elucidation of the chemical structure of the products by spectra as NMR techniques.

Field(s) of study

- Organic Chemistry

01/10/2013 – 14/01/2016 – Sofia, Bulgaria

DOCTOR OF PHILOSOPHY (PHD) IN TECHNOLOGY OF FINE ORGANIC AND BIOCHEMICAL SYNTHESIS – University of Chemical Technology and Metallurgy

- Design and synthesis of Molecular Fluorescent Chemosensor.
- Understand the various mechanisms of detection.
- Study the sensitivity and selectivity of chemosensor.
- Execution of molecular logic gates and operation by molecular chemosensor.

01/02/2019 – 31/08/2020 – Szeged, Hungary

POSTDOCTORAL FELLOWSHIP (HUNGARIAN GOVERNMENT) – Prof. Fulop Ference
(pharmaceutical chemistry institute)

Field(s) of study

- Organic Synthesis

02/06/2021 – 02/12/2021 – Sofia University , Sofia, Bulgaria

POSTDOCTORAL FELLOWSHIP – Faculty of Pharmacy and Chemistry

Field(s) of study

- Dendrimers applications
- Molecular Chemosensors

● **LANGUAGE SKILLS**

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	A2	A1	A2	A2	A1
FRENCH	A1	A1	A1	A1	A1
BULGARIAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

ChemOffice | Gaussian 09 package | Origin 8 | Chem Draw | Microsoft Word | Google Drive | Zoom | LinkedIn | Skype | Microsoft Excel | Microsoft Office | Fluorescence spectroscopy | Microsoft Powerpoint

PUBLICATIONS

Publications

1. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov "A novel dual naked eye colorimetric and fluorescent pH chemosensor and its ability to execute three INHIBIT based digital comparator", *Dyes and Pigments* 2022 (accepted)
2. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov "Low molecular weight probe for selective sensing of pH and Cu²⁺ working as three INHIBIT based digital comparator", *J. of Fluorescence* **32**, pages, 405–417 (2022).
3. **Awad I. Said**, Márta Palkó, Matti Haukka and Ferenc Fülöp "Angular Regioselectivity in the Reactions of 2-Thioxopyrimidin-4-ones and Hydrazonoyl Chlorides: Synthesis of Novel Stereoisomeric Octahydro[1,2,4]triazolo[4,3-a]quinazolin-5-ones" *Molecules* **2020**, 25(23), 5673;
4. **Awad I. Said**, Matti Haukka, Ferenc Fülöp "Microwave-Assisted Regioselective Synthesis of Variously Functionalized [1,2,4]triazolo[3,4-b]quinazolin-5(1H)-ones" *Current Organic Chemistry* (2020) **24**: 1892 - 1896.
5. **Awad I. Said**, Márta Palkó, Matti Haukka, Ferenc Fülöp, "Retro Diels Alder protocol for regioselective synthesis of novel [1,2,4]triazolo[4,3-a]pyrimidin-7(1H)-ones", *RSC Adv.*, **2020**, **10**, 33937-33943.
6. **Awad I. Said** and Talaat I. El-Emary, "Diastereoselective synthesis of atropisomeric pyrazolyl pyrrolo[3,4-d]isoxazolidines via pyrazolyl nitrene cycloaddition to facially divergent maleimides: intensive NMR and DFT studies", *RSC Adv.*, **2020**, **10**, 845-850.
7. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov, "A smart chemosensor: Discriminative multidetector and various logic operations in aqueous solution at biological pH", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* **2019**, 223, 117304
8. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov, "The Simplest Molecular Chemosensor for Detecting pH, Cu²⁺ and S²⁻ in Aqueous Solutions and Executing Several Logic Gates ", *Journal of Photochemistry and Photobiology A: Chemistry* **2019**, 371, 395-406
9. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov, "A Fluorescent Bichromophoric "off-on-off" Switch Sensor for pH and its Ability to Work as a Digital Molecular Half Subtractor and Comparator", *Dyes and Pigments*, **2019**, 162, 377-384.
10. Nikolai Georgiev, **Awad Said**, Vladimir Bojinov, Reneta Toshkova, Rumiana Tzoneva, A novel water-soluble perylenetetracarboxylic diimide as a fluorescent pH probe: chemosensing, biocompatibility and cell imaging, *Dyes and Pigments*, **2019**, 160, 28–36.
11. **Awad I. Said**, Nikolai I. Georgiev, Shaimaa A. Hamdan, Vladimir B. Bojinov, *J Fluoresc* **2019**, 29, 1431–1443.
12. **Said, A. I.**, Georgiev, N. I., Bojinov, V. B, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2018** 196, 76-82.
13. S.K. Mohamed, J.T. Mague, M. Akkurt, **A.I. Said**, F.E. Hawaiz, S.M.I. Elgarhy, *IUCrData*, 2018, 3, x180208, DOI: 10.1107/S2414314618002080.
14. **Awad I. Said**, Nikolai I. Georgiev, Vladimir B. Bojinov, *journal of Photochemistry and Photobiology A: Chemistry*, 311 (2015) 16.

CONFERENCES AND SEMINARS

Conferences

1. **Awad I. Said**, Moustafa F. Aly and Shaaban K. Mohamed, "Facial selectivity via atropisomerism of 1,3-dipolar cycloaddition reactions of (Z)-N-(2-hydroxybenzylidene)benzeneamine oxide as a nitrene with N-Substituted Maleimides", bn Sina Arab Conference On Heterocyclic Chemistry and it's applications, Hurgada, Egypt (30 March – 2 April 2018).

2.A. Said, N. Georgiev, V. Bojinov, **A Fluorescent Bichromophoric "off-on-off" Switch Sensor for pH and its Ability to Work as a Digital Molecular Subtractor and Comparator**, Conference on Chemical Sciences & Applications, 6-9 August, Alexandria, Egypt (2016)

3. N. Stepanov, Y. Todorova, A. Said, N. Georgiev, V. Bojinov, **A MOLECULAR SCALE MAGNITUDE DIGITAL COMPARATOR WITH DISABLE CAPABILITY**, XII Scientific Poster Session of UCTM, May 22, Sofia (2015).

4. A. Said, N. Georgiev, V. Bojinov, **A Simple Dual Chemosensor for Recognition of Cu²⁺ and Sulfide in Aqueous Solution**, The NATO Advanced Study Institute on Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, May 29 – Jun 6, Sozopol, Bulgaria (2014).

5. A. Said, N. Georgiev, V. Bojinov, **SYNTHESIS AND PH-SENSING PROPERTIES OF NOVEL DIHYDROXYPHENYLHYDRAZONE**, XI Scientific Poster Session of UCTM, May 22, Sofia (2014).

6. Awad Said, M. Fawzy, G. El-Naggar, **Studies on the cycloaddition reaction between nitron and N-substituted maleimides**, Fourth saudia science conference, Taibah University, KSA, January (2010).

7. Awad Said, M. Fawzy, G. El-Naggar, **Nitrones as a route for the synthesis of some new Pyrrolidine-isoxazolidine fused compounds**, The second conference for young scientists, Assiut University, Assiut, Egypt, 2008

● PROJECTS

Projects

"Synthesis of novel multichromophoric chemosensing architectures operating via multichannel output for cell imaging and diagnostics in medicine"

Awad I. Said, Nikolai I. Georgiev, Vladimir B. Bojinov

● ORGANISATIONAL SKILLS

Organisational skills

- good organisational skills gained as scientific conference organizer, responsible for evaluation the abstracts and preparing the brochure.
- good team-leading skills gained as a supervisor on graduate and undergraduate students.

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Excellent contact skills with students was gained through my career as a Demonstrator, Assistant Lecturer and Lecturer in Assiut University.
- Good leadership skills with other members of the team gained as a result of my bearing the authority of several tasks in my department.
- Valuable contact skills with other members of research group gained as a result of my working in teams on different nationalities.

● JOB-RELATED SKILLS

Job-related skills

* Teaching Skills:

- Ability of preparing the course file to be international and competitive.
- Ability of preparing surprise and attractive power point presentation for the course.
- Ability of transferring the knowledge to other (undergraduate, graduated or staff) by simple and attractive manners.
- Ability of connecting the course content to its applications in the life.
- Ability to evaluate intellectual and practical skills by all evaluation methods (oral, writing and practical).

* scientific research skills:

- Preparing the research plan, collecting the sufficient literature, determining the goals and the optimized utilization of the available facilities.

- Interpreting and analyzing the experimental results.
- Utilization of experiments outcomes for various applications.
- Preparing articles for publishing in impacted journals.
- Patience on the experiments outcomes.

● COURSES

Courses

- Principals of Organic Chemistry (105C)
- Organic Chemistry I (210C)
- Organic Chemistry II (212 C)
- Green Chemistry (214C)
- Stereochemistry & spectroscopy (311C)
- Biochemistry & Natural Products (312C)
- Photochemistry (313C)
- Advanced Synthetic Chemistry (314C)
- Chromatography & Petroleum Chemistry (411C)
- Applied Organic Chemistry (412C)
- Industrial Chemistry (453C)

● SCIENTIFIC REFEREEING

scientific Refereeing

- I am a scientific reviewer in
- Journal of Organic Chemistry (JOC)
 - RSC advances
 - Molecules

● GRANTS

- EMA2- Erasmus Mundus grant (Action 2) for a full time PhD programme in Chemistry at University of Chemical Technology and Metallurgy, Bulgaria (2013-2015).

- Postdoctoral Fellowship Grant by Hungarian Government (TEMPUS Public Foundation) - Szeged University - Szeged - Hungary (2019).

- Postdoctoral Fellowship Grant by Hungarian Government (TEMPUS Public Foundation) - Szeged University - Szeged - Hungary (2020).

● TRAINING PROGRAMS

11/09/2005 – 14/09/2005

Teaching with Technology

01/01/2006 – 04/01/2006

Active Teaching (Faculty and Leadership Development Center - Assiut University)

01/01/2008 – 03/01/2008

Professional Ethics (Faculty and Leadership Development Center - Assiut University)

08/01/2008 – 10/01/2008

Credited Hours System in the Education (Faculty and Leadership Development Center - Assiut University)

12/01/2008 – 14/01/2008

Active Presentation (Faculty and Leadership Development Center - Assiut University)

20/01/2008 – 22/01/2008

communication skills in the Teaching (Faculty and Leadership Development Center - Assiut University)

25/06/2011 – 27/06/2011

Organization of Scientific Conferences (Faculty and Leadership Development Center - Assiut University)

24/07/2011 – 26/07/2011

Electronic Teaching (Faculty and Leadership Development Center - Assiut University)

01/10/2011 – 03/10/2011

Scientific Publication (Faculty and Leadership Development Center - Assiut University)

08/12/2012 – 10/12/2012

Quality Standards in the Teaching (Faculty and Leadership Development Center - Assiut University)

15/12/2012 – 17/12/2012

University administration (Faculty and Leadership Development Center - Assiut University)

13/03/2016 – 14/03/2016

How can you write a competitive Research Project? (Faculty and Leadership Development Center - Assiut University)

22/01/2017 – 23/01/2017

Strategic Planning (Faculty and Leadership Development Center - Assiut University)

05/02/2017 – 06/02/2017

How to Design the E-Course (Faculty and Leadership Development Center - Assiut University)

17/09/2017 – 18/09/2017

How to Active the E-Course (Faculty and Leadership Development Center - Assiut University)

11/11/2009 – 12/11/2009

Safety Tools in the laboratories (Assiut University)

19/09/2011 – 22/12/2011

German course (deutschkurs von 140 unterrichtseinheiten)(Assiut University)
