



Curriculum Vita

Name: Prof. Yasser A. Bakr

Personal Information:

Date of Birth: January 6, 1973.

Place of Birth: Bandai, Manfalout, Assuit.

Gender: Male.

Marital status: Married.

Number of Kids: Five.

Nationality: Egyptian.

Physical address: Assiut, Egypt.

Work address: Chemistry Department, Assiut University, Assiut, 71516, Egypt.

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Occupation: Professor of Organic chemistry

Institution: Chemistry Dept., Assiut University, Egypt

Education:

- 1- Bachelor in Chemistry from Faculty of Science, Assiut University (1994).
- 2- Master Degree in Chemistry, (Organic Chemistry) from Faculty of Science, Assiut University (1998).



- 3- **Ph.D. in Chemistry , (Organic Chemistry) from Faculty of Science , Assiut University**

Professional Employ:

- 1- **Demonstrator, 1994-1998, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt.**
- 2- **Assistant Lecturer, 1998-2001, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt.**
- 3- **Lecturer, 2001-2007, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt.**
- 4- **Assistant Professor, 2007-2014, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt.**
- 5- **Professor, 2014 – yet, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt.**

Titles of my awarded degrees:

- 1- **M.Sc. "Synthesis and Reactions of 1-3,5-pyrazolidinedione Derivatives"**
- 2- **Ph.D. "synthesis , Reactions and Spectral properties of Some Pyrazolidinone Derivatives"**

Field of experiences and other qualification:

- 1- **I had attended the summer training program in Assiut Cement Company (CEMEX), during the period from 1/7/1993 to 1/8/1993.**
- 2- **Pre- master courses in the field of Organic Chemistry.**
- 3- **I have extensive experience with Synthetic Organic Chemistry specially Fused Heterocyclic Compounds, Spiro heterocyclic and Bioactive molecules.**
- 4- **I have experience with NMR(¹H , ¹³C) , Advanced 2D NMR (COSY , NOESY , HSQC , HMBC) as well as IR , UV-Vis , and Mass spectrometric analysis.**
- 5- **170 – Hour training course in effective teaching held in Assiut University.**



- 6- 60- Hour training course in research and thinking skills under auspices of Assiut University.
- 7- 35-hour training course in time management and professional ethics under auspices of Assiut University.

Training programs (Faculty and Leadership Development Project):

- 1- Time Management and Work pressures.
- 2- Ethics and Ethical of occupation.
- 3- Effective Teaching Skills.
- 4- Effective Presentation Skills.
- 5- Effective Communication Skills.
- 6- New Trends in Teaching.
- 7- Writing and International Dissemination of Scientific Research.
- 8- The Use of Technology in Teaching.
- 9- The Credit Hour System.
- 10- Student Evaluation
- 11- How to Compete for a Research Fund.

Academic and professional Honors:

Visiting Assistant professor, Zawia University, Zawia, Libya, 2005-2011.

Teaching Interests:

- 1- Basic principles of General Chemistry.
- 2- Basic principles of Organic Chemistry.
- 3- Biochemistry.
- 4- Heterocyclic Chemistry.
- 5- Natural products Chemistry.
- 6- Organic Spectroscopy



- 7- Applied Organic Chemistry
- 8- Aromatic and Aliphatic Organic Chemistry
- 9- Physical Organic Chemistry.
- 10- Organic Reaction Mechanism.
- 11- Advanced Synthetic Organic Chemistry.
- 12- Petroleum Chemistry.
- 13- Green Chemistry.
- 14- Environmental Chemistry.
- 15- Photochemistry.
- 16- Reactive intermediates.
- 17- Industrial Chemistry.
- 18- Stereochemistry.
- 19- Chromatography.
- 20- Practical Biochemistry.
- 21- Practical Organic Chemistry.
- 22- Practical in Organic Chemistry.
- 23- Pharmaceutical Organic Chemistry
- 24- Advanced Organic Spectroscopy.

Thesis or Dissertation directed:

- 1- M.Sc., Essam El-Dean Mustafa Hussein, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt. "Design, Synthesis and Reactions of Some New Spiroheterocycles." July 2006.
- 2- M.Sc., Istabrak I. Hussein, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt. "Synthesis and Biological Studies of Some New Pyrazolopyrimidine Derivatives". December 2016.
- 3- M.Sc., Taher A. Gaber, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt. "Synthesis, Reactions and Spectral Characterization of some New Chromeno [2, 3-d] pyrimidine Compounds."



Under investigation 2018.

- 4- M.Sc., Amima F. Ibrahim, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt. "Synthesis, Reactions and Biological Studies of Some New Compounds related to 3, 5-pyrazolidinedione moiety"(In the preparation stage).
- 5- Ph.D., Yosra A. Naffea, Chemistry Department, Faculty of Science, Assiut University, Assiut 71526, Egypt. "Evaluation of Some New Synthesized 3, 5-pyrazolidinedione Derivatives as Pesticides (In the preparation stage).
- 6- M.Sc., Mohamed Sh. F. Mohamed, Chemistry Department, Faculty of Science, Aswan University, Aswan, Egypt. "Synthesis, Reactions and Biological Studies of Some New Compounds Related to Indoline Moiety"(In the preparation stage).

Research interest:

- 1- Synthetic Organic Chemistry (Synthesis of some new heterocycles related to 3, 5-pyrazolidinedione compounds.
- 2- Synthesis, characteristic reactions and spectral characterization of spirocarbocycles and spiroheterocycles.
- 3- Chemistry of selenium and sulphur compounds.
- 4- Design, Synthesis of biologically active heterocyclic compounds.
- 5- Green Chemistry.
- 6- Multi-Component reactions.
- 7- Asymmetric synthesis of organic compounds.

Professional skills:

- 1- English and Arabic: Excellent language skills, both spoken and written.
- 2- Computer: high level of competence in designing and delivering Lectures, seminars, and tutorials.
Advanced computer skills (Word, Excel, PowerPoint, Internet, ChemOffice, etc...)
- 3- General cultural: Multicultural background.

Personal Skills:

- 1- Able to collaborate effectively with colleagues and to work as part of a team in building up a new University and establishing new departments.
- 2- Commitment to working critically at the interface between researches that has to be established gradually, theory and practice.
- 4- Good, honest, improve and present the information by myself.



- 5- Adaptable and flexible personality able to deal with both students and colleagues of different cultural background.

Refereeing articles from:

- 1- Journal of Heterocyclic Chemistry.
- 2- Heterocyclic communications.
- 3- Journal of scientific research.
- 4- Medicinal Chemistry Research
- 5- Trends in Heterocyclic Chemistry
- 6- Assiut univ.J.of chemistry
- 7- Phosphorus, Sulfur, and Silicon

Projects:

- 1- I participated as Vice- manager of the project of developing organic chemistry teaching program for students of Faculty of Science (Chemistry), Project no. (B-048-10).

Budget: The World Bank and the Ministry of Higher Education (HEEPF).

- 2- I am a participant in the project of Assiut University to obtain quality and academic accreditation in 2019-2020.

Conferences:

- 1- Participated in the Sixth International Conference on Chemistry and its role in development, Faculty of Science, Mansoura University, from 16/4/2001 to 19/4/2001.
- 2- Participated in the 8th Ben-Sina International Conference, Assiut University, Luxor, from 16/2/2002 to 19/02/2002.
- 3- Participated in the third Assiut University of Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, from 5/3/2002 to 6/3/2002.

- 4- Participated in the Seventh International Conference on Chemistry and its role in development at the Faculty of Science Mansoura University in Sharm El-Sheikh from 14/4/2003 to 17/4/2003.
- 5- Participated in the Fourth Conference of Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, from 6/3/2004 to 7/3/2004. Participated in the international conference on sugar industry and complementary industries in Alexandria from 3/4/2005 to 6/4/2005.
- 6- Participated in the international conference on sugar industry and complementary industries in Alexandria from 3/4/2005 to 6/4/2005.
- 7- Participated in the 9th International Conference of Pharmaceutical Sciences, Assiut University, from 12/3/2014 to 13/3/2014
- 8- Participated in the Second International Conference on Advanced Principles and Applied Sciences at Beni Suf University, held in Ain Sokhna from 2/4/2014 to 4/4/2014.
- 9- Participated in the conference of Ben-Sina International Thirteenth



University Sohag, Hurghada, from 14/2/2015 to 17/2/2015.

- 10- Participated in the International Conference on the Economies of the International Sugar Industry towards Food and Energy in a Changing Economic Environment, held in Swan, Egypt, from 7-10 November 2016. Organized by the Institute of Sugar Technology Studies and Research, Sugar and Egyptian Integrated Industries.
- 11- Participated in the Third International Conference on the New Horizons in Basic and Applied Sciences, held in Hurghada, Egypt, from 5-7 August 2017 organized by the Faculty of Science, Al-Azhar University, Assiut Branch.

List of Publications:

- 1- Synthesis and Reactions of some novel Selenolopyrazole Compounds.
Yasser A. Elossaily, Remon M. Zaki, and Ahmed A. Geies (submitted 2018).
- 2-An Efficient Green Synthetic Approach to the Synthesis of 4*H*-Chromene Compounds Under Solvent –Free Conditions.
Remon, M. Zaki, Saoud A. Metwally, Yasser A. Elossaily and Taher A. Gaber.
Journal of Heterocyclic Chemistry (Accepted 2018).
- 3-A Convenient Synthesis, Reactions and Biological Studies of Some Novel Selenolo[2,3-*c*]pyrazole Compounds as Antimicrobial and Anti-inflammatory Agents"
Remon M. Zaki, Yasser A. Elossaily and Ahmed A. Geies.
Medicinal Chemistry Research 25(5), 893-908 (2016).
- 4-Reactions of tetracyanoethylene with active methylene compounds: Synthesis, Reactions and Spectral characterization of some novel 2-pyrazolin-5-one compounds. Computational studies on the synthesized molecules by DFT.
Saoud A. Metwally, Refaat M. Mahfouz, Yasser A. Elossaily, Safwat A. Aref and Yousra A. Naffea .
Assiut University Journal of Chemistry (AUJC), 33-46 , 45(2016).
- 5- One-pot synthesis of 5-[1-substituted 4-acetyl-5-methyl-1*H*-pyrrol-2-yl)]-8- hydroxyquinolines using DABCO as green catalyst
Shawkat Ahmed Abdelmohsen* and Yasser Abou-bakr El-Ossaily
Heterocycl.Commun 21(4)207-210(2016).
- 6- Synthesis, Reactions and Spectral Characterization of Some



new Chremeno[2,3-d]pyrimidine Compounds.

Yasser A. Elossaily, Remon M. Zaki , Saoud Metwally and Taher A. Gaber .

Accepted in V International conference on “The Chemistry of Heterocyclic Compounds.Modern Aspects” CBC2015

(August 31 to September 3, 2015 in St. Petersburg).

- 7- Investigation and synthesis of Some Novel Spiro Heterocycles Related to Indoline Moiety. Y.A.El-Ossaily , R.M.Zaki, and S.A.Metwally
J.Sci.Res.6 (2), 293-307(2014).
- 8- Novel synthesis of highly functionalized indoline derivatives via nucleophilic ring transformation reactions of 2', 2`-dicyano-2-oxo-1, 2-dihydrospiroindole-3, 3`-oxirane. Shawkat A. Abdelmohsen, Y. A. El-Ossaily, Remon M. Zaki and Saoud A. Metwally.
Trends in Heterocyclic Chemistry 16 , 77-83 (2013).
- 9- Synthesis, reactivity and effect of molecular structure and solvent on the electronic spectra of 3, 5-pyrazolidinedione derivatives. Yasser A. El-Ossaily, Osama S. Moustafa, Said A. Ibrahim, Galal M. Elnager, and Saoud A. M. Metwally.
Trends in Heterocyclic chemistry, 16, 23-32(2013).
- 10- Synthesis and Reactions of some new Pyrrolylthieno[2,3-d] Quinoxaline and Pyrrolopyrazinothienoxalines. Ahmed A. Geies, Yasser A. El-Ossaily, and Osama Sh. Moustafa.
Russian Journal of Bioorganic chemistry, 38, 5, 597-603 (2012).
- 11- Synthesis and Antimicrobial activity of novel benzo[f] Coumarin compounds. Remon M. Zaki, Yasser A. El-Ossaily and Adel M. Kamal El-Dean.
Russian Journal of Bioorganic chemistry 38, 6,721-728 (2012).
- 12-Synthesis and Crystal structure of some 3, 5-pyrazolidinediones. Saoud A. M. Metwally, Maisa I. Abdel Moneim, Yasser A. El-Ossaily, Radwa I. Awad and Khaled Abou-Hadeed. Chemistry of Heterocyclic compounds 4, 538-550 (2010).
- 13- Novel Synthesis of highly functionalized pyrazolone systems via rearrangement of 5-Phenyl-1-Oxa-5, 6-diaza- spiro[2,4]heptane-4, 7-diones. S. A. M. Metwally, T. A. Mohamed, O. S. Moustafa , Yasser A. El-Ossaily.



- Chemistry of heterocyclic compounds (Russia), 11, 1659-1669 (2010).
- 14-Synthesis of some new imidazo[3^{ll}, 4^{ll}: 1^l, 2^l]Pyri- mido [4, 5^l: 4, 5]thieno[2,3-c] Pyridazines and other fused thieno [2,3- c]Pyridazines.
Adel M. Kamal El-Dean, Shaban M. Radwan and Yasser A. El-Ossaily.
Journal of chemical research, 622-625 (2008).
- 15-Synthesis and Reactions of some new spiropranthiazoline derivatives.
Maher F. El-Zohary, Yasser A. El-Ossaily, Thanaa A. Mohamed and Essam M. Hussein
Phosphorus, Sulfur, and Silicon, 183: 2095-2107 (2008).
- 16-Synthesis and Reactions of Some new spiro {indeno[1,2-b] pyran- 4, 3^l- indolines}.
Maher F. El-Zohary, Yasser A. El-Ossaily, Thanaa A. Mohamed and Essam M. Hussein
Heterocycles, 75, 4, 955-963 (2008)
- 17-Synthesis of some new spiroprans containing indoline Moiety.
Maher F. El-Zohary, Yasser A. El-Ossaily, Thanaa A. Mohamed and Essam M. Hussein
Heterocyclic communications, 14, 3, 195-198 (2008)
- 18-Reactions of 4-Alkylidene (arylidene)-1-phenylpyrazo- lidine-3,5-dione.
Saoud A. M. Metwally, Thanaa A. Mohamed, Osama S. Moustafa, Yasser A. El-Ossaily.
Journal of Heterocyclic chemistry (Russia), 9, 1335-1341, (2007).
- 19- Synthesis of some Pyridothienooxazepine Derivatives.
Y. A. El-Ossaily, A. A. O. Sarhan and A. M. Kamal El-Dean
Phosphorus, Sulfur, and Silicon, 182: 121-132 (2007).
- 20- A convenient Synthesis of Some New Indeno[1,2-b] Pyridines and Indeno [1, 2-b]Thieno[3,2-e]Pyridine Derivatives with Potential Biological Activity.
Yasser A. El-Ossaily
Phosphorus, Sulfur, and Silicon, 182: 1109-1117 (2007).
- 21- The Synthesis of some Pyrazolyl and thiazolythieno- pyridines.
A.M. Kamal El-Dean, A. A. Geies, Y. A. El-Ossaily
Phosphorus, Sulfur, and Silicon, 181: 2013-2022 (2006).
- 22- Selenium-Containing Heterocycles: Synthetic Investigation of 3-Amino- 2-Ethylselenopyridine carboxylate using Sodium Borohydride.
Sh. H. Abdel-Hafez, Sh. A. Abdel-Mohsen and Yasser. A. El-Ossaily.
Phosphorus sulfur, and silicon, 181: 2297-2305 (2006).



- 23- Activated Nitriles in Heterocyclic Synthesis: Synthesis and Reactions of 2-Amino-8-benzylidene-4-phenyl-5,6,7,8-tetrahydro- 4H-chromene-3-Carbonitrile.**
Yasser A. El-Ossaily
Assuit univ.J.of chemistry 35 (2), 1-16(2006).
- 24- Reactions and Reactivity of Thienopyridine: facile Synthesis Of Some Pyridothienooxazepine Derivatives.**
Y. A. El-Ossaily , A.A.O.Sarhan and A.M. Kamal El-Dean
Phosphorus sulfur, and silicon, 182: 121-132(2007).
- 25-Synthesis and Antimicrobial Activity of Novel Furothieno- quinoxalines, Pyranothienoquinoxalines pyrimidopyranothieno-quinoxalines.**
Osama S. Moustafa and Yasser A. El-Ossaily.
Journal of the chinese chemical society, 49, 107-112 (2002).