

Curriculum Vita for Dr. Nahed Nasser El-Sayed

Personal Details

Name: Nahed Nasser Eid El-Sayed

Occupation: Assistant professor of organic chemistry

Affiliation: Department of Chemistry, College of Science - Girls Section,
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Nationality: Egyptian

Education

11/ 2002 – 10/ 2006 School of Chemistry, Cardiff University, UK

Ph. D. in Synthetic Organic Chemistry

Supervisor: Dr. Mark C. Elliott

Title: Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes

Project: Development of new strategies to desymmetrise 1,4-cyclohexadiene derivatives with concomitant stereoselective formation of a quaternary stereogenic centre as an approach towards the synthesis of lycoposerramine A.

July 2001 –International TOFEL exam with score 611

1996 – 1999 Faculty of Science, Ain Shams University, Cairo, Egypt

M.Sc. in Organic Chemistry

Supervisors: Professor Ahmed I. Hashem; Professor Hussein H. Moharram; Dr Lories I. Bebawy

Title: Synthesis and Evaluation of Nitrogen Heterocyclic Compounds of Antitumor Effects

Project: Synthesis and reactions of novel thiohydantoin derivatives as nitrogen heterocyclic compounds with the evaluation of their antitumor and anti-HIV activities.

1993 – 1994 Faculty of Science, Ain Shams University, Cairo, Egypt

Preliminary Course for M.Sc Degree in Organic Chemistry

1989 – 1993 Faculty of Science, Ain Shams University, Cairo, Egypt

B.Sc. (very good) Biochemistry with Chemistry

Grants and achievements

2013 Awarded **Professional Certificate in University Teaching** with very good grade, from KSU.

2004 Awarded **Mentoring for Success Certificate, level 2**, from National Open College, Cardiff, Wales, UK.

2004 Awarded **Interpreting training course certificate** from Cardiff University for Life Long Learning.

2002, Grant to study for Ph. D. at Cardiff University, UK from Ministry of Higher Education, Egypt.

Consultant work

17/11/2016, Reviewer for the manuscript entitled “**Bridgehead Nitrogen Thiazolo[3,2-a]pyrimidine: A privileged Structural Framework in Drug Discovery**” that has been submitted for publication in **Mini-Reviews in Medicinal Chemistry**, Published by Bentham Science Ltd.

16/09/2016, Reviewer for the manuscript that has been submitted for publication in the EBook “**Studies in Natural Products Chemistry (Bioactive Natural Products)**” being published by Elsevier Science Publishers.

2013-2016, Reviewer for research projects at Taif University, KSA

25/11/2013, Reviewer for a manuscript entitled " Antimicrobial and physicochemical characterization of thiosemicarbazide and S-Triazole derivatives" for Phosphorous, Sulfur, and Silicon and the Related Elements (GPSS) . Published on 25 Sep. 2014, Volume 189, 2014, issue 10, Pages 1539-1545. DOI:10.1080/10426507.2014.902831

Scientific activities

Thursday 25/05/2017 (29/8/1438) Internal examiner for MSc. Student at college of science, KSA, Thesis entitled: "**Synthesis and Pharmacological Evaluation of Some Novel 4-(3H)-Quinazolinone Derivatives**"

Wednesday 4/1/2017 (6/4/1438) - Thursday 5/1/2017 (7/4/1438) Preparation and presentation of a training workshop on "Security, Safety and Prevention in the laboratories (الأمن و السلامة و الوقاية في المختبرات)"

22/12/2015 (23/12/1438) Internal examiner for MSc. Student at **college of science, KSA**, Thesis entitled: " **Synthesis of Some Heterocyclic Compounds Derived from Cycloalkyl[b] thiophene and Evaluation of their Biological Activities**"

3 - 4/5/2016 (26 - 27/7/1437) Preparation and presentation of a training workshop on "**Management of chemical substances**" for postgraduate students at KSU

26 - 27/4/2016 (19-20/7/1437) Preparation and presentation of a training workshop on "**Spills of dangerous substances**" for technicians at KSU

28-31/12-2013 (26-28/2/1435) Preparation and presentation of a training workshop on **Chemical Safety** for technicians at KSU presented on

29/4/2015, Internal Examiner for master student at college of science, KSA, Thesis entitled: "**Synthesis of novel 2-aminothiazole derivatives of anticipated biological activities**"

24/12/ 2014, Internal Examiner for mater student at college of science, KSA, Thesis entitled: " **Synthesis, Reactions and Analysis of the New Thiophene Derivatives**"

18/9/2014, External Examiner for Master student at College of Pharmacy, King Saud University.

Thesis entitled: "Design and Synthesis of New Imidazole Derivatives As Potential Antifungal Agents".

9/1/2014 (8/ 3/ 1435) Internal Examiner for Master student at college of Science, King Saud University.

Thesis entitled: "Synthesis of some phenolic derivatives and study of their biological activity as antioxidant"

July-September 2011, Cairo University, Academic visitor

Conducting short collaborative research project with Professor Rafat Milad Mohareb in the field of heterocyclic synthesis.

July-September 2010, Cardiff University, Academic visitor

Conducting short collaborative research project with Professor David Knight in the field of heterocyclic synthesis using flow technology as a truly green and environmentally friendly process for the synthesis of furans and pyrroles

Professional Career

26/09/2009 – till now Assistant Professor of Organic chemistry

College of Science, King Saud University, Women Students-Medical Studies & Sciences sections, Riyadh, Kingdom of Saudi Arabia

I have been involved in the following activities:

Teaching

- Deliver lectures either across a range of modules using appropriate teaching, learning support and assessment methods, contributing to the undergraduate courses.
- Supervise the work of students, provide advice on study skills and help with any learning problems.
- Set, mark and assess work and examinations and provide feedback to students.
- Supervise, a high degree of safety-in-the-lab awareness, help students gain confidence and develop practical skills
- Contribute to administrative work at the chemistry department and KSU

Research

- Conducting collaborative research projects in organic chemistry

Courses taught include:

• **Heterocyclic organic chemistry (344 Chem. & 341 Chem.)**

A course covering nomenclature, aromaticity, five membered heterocycles with one or more heteroatoms: (synthesis, physical and chemical properties). Six membered heterocycles with one and two heteroatoms (synthesis, physical and chemical properties). Fused heterocyclic compounds. Biologically important heterocycles: Pyrimidines and purines. Carbohydrates: definition, nomenclature, classification, monosaccharides (stereochemistry, absolute configuration, cyclic structures, oxidation, reduction, osazone formation), oligosaccharides and polysaccharides. Amino acids: natural amino acids (physical properties, synthesis and reactions). Lipids: classification (waxes, oils and fats), synthesis and properties of glycerides and glycolipids.

• **Polymer and industrial organic chemistry (346 Chem. & 342 Chem.)**

A course covering:

Part I: polymers; definition, properties, stereochemistry, general syntheses, types of polymerization systems, copolymerization, polymer stabilization and degradation.

Part II: industrial applications: natural gas, oil importance, properties, its origin and structure, methods of petrochemical production, chemistry of industrial fibers, brief on local chemical industries, used technology in manufacturing polyethylenes, polystyrenes, PVC and natural rubber.

• **Principles of organic chemistry -2 (245 Chem.);**

A course covering:

IUPAC nomenclature, classification, physical properties, synthesis, reactions of the following organic classes: alcohols, ethers, phenols, aldehydes, ketones, carboxylic acids and their derivatives, amines.

- **General Chemistry (for Health Sciences) (145 Chem.)** covering:

Atomic structures and chemical bonding, brief study of the classification, nomenclature, physical properties, synthesis and reactions of the following organic compounds: hydrocarbons, organic halides, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids and their derivatives, and amines.

- **Practical Applications of Organic Chemistry (Chem. 347)**

A course covering:

Introduction, Safety, Lab. equipments, Spectroscopy IR, Identification of Unknown, Preparation of derivatives, Reports, Unknown 1-5, Identification of Mixture components, separation.

- **Research project (498 Chem. & 499 Chem.); Supervision of students' graduation research projects in organic chemistry**

01/02/2009- 20/09/2009 Head of Reference Standard unit

National Organization for Drug Control and Research (NODCAR), Giza, Egypt

My main duties included the following: Conducting research on organic chemistry, leading and supervision of all lab members, preparation of secondary working standards, assuring following accreditation and ISO policies in the lab.

03/2008 – 11/2008 Lecturer of Organic Chemistry

University for Modern Sciences and Arts (MSA), 6th of October City, Egypt

Deliver lectures of General organic chemistry course for preparatory year at College of Dentistry, MSA

07/02/2007- 03/2008 Researcher

National Organization for Drug Control and Research (NODCAR), Giza, Egypt

My main duties included the following: Conducting research on organic chemistry, supervision of junior lab members, and chemical quality control on pharmaceutical preparations using HPLC.

2005 Postgraduate Demonstrator

School of Chemistry, Cardiff University, UK

During my Ph. D. I have been involved with the supervision of undergraduate practical classes.

15/11/1999 – 01/10/2002 Researcher Assistant

National Organization for Drug Control and Research (NODCAR), Giza, Egypt

My main duties included the following: Chemical quality control on drugs and raw materials through applying the pharmacopoeial monographs, stability indicating methods and other instrumental analysis techniques using HPLC, GC, UV

spectrophotometers, TLC scanner apparatuses. Determination of water content in different pharmaceutical preparations (powders, ointments, creams) using Karl Fischer apparatus. Preparation of secondary or working standards. Provide training for the new lab members.

14/09/95 – 15/11/99 Assistant Researcher

National Organization for Drug Control and Research (NODCAR), Giza, Egypt

My main duties included the following: Chemical quality control on drugs and raw materials through applying the pharmacopoeial monographs, stability indicating methods and other instrumental analysis techniques using HPLC, GC, UV spectrophotometers, TLC scanner. Determination of water content in different pharmaceutical preparations (powders, ointments, creams) using Karl Fischer apparatus.

11/1993 – 09/1995 Specialist in Karyotyping of chromosomes

Faculty of Medicine, Ain Shams university, Cairo, Egypt

Responsible for: Detection of structural and numerical chromosomal aberrations caused mainly by occupational hazards which may promote mutations and cancers.

Postgraduate Supervision Experience

1/4/2017 Chief supervisor of a Doctorate Thesis at Ain Shams University, Cairo, Egypt.

Thesis entitled "**Synthesis of Some Nitrogen, Oxygen or Sulphur Containing Heterocyclic Compounds and Evaluation of Their biological Activities**"

2014-2015 Chief supervisor of a Master Thesis at KSU

Thesis entitled "**Synthesis and Pharmacological Evaluation of Some Novel 4-(3H)-Quinazolinone Derivatives**"

2014 Assistant supervisor for a Master Thesis t at KSU

Thesis entitled "**Synthesis and Biological Evaluation of Some Heterocyclic Compounds Derived from Cycloalkyl[b]thiophene**"

February 2012- April 2015 Chief supervisor of a Master Thesis at KSU

Thesis entitled "**Synthesis of novel 2-aminothiazole derivatives of anticipated biological activities**"

2012- Assistant supervisor for a Master Thesis at KSU

Thesis entitled "**Synthesis, Reactions and Analysis of the New Thiophene Derivatives**"

Administrative activities at KSU:

1. Member of committee of evaluation of students' research projects during KSU Students Scientific Symposium held at preparatory year building ,KSU, 14/2/2013
2. Member of committee of Recruitment Day, KSU,1434 H
3. Member of the lab safety committee in chemistry department, faculty of science, KSU, 1432– 1433 H
4. Member of development & quality committee in chemistry department, faculty of science, KSU, 1432-1433-1434 H
5. Member of the academic guidance committee in chemistry department, faculty of science, KSU, 1432 H till 1435
6. Member of the examination committee, 1st term, faculty of science, KSU, 1431 H

Teaching Related Workshops at KSU:

4-5 December 2016- 5-6/3/1438 Books: Writing & Publishing
27 November- 27-2-1438 Qualitative research
8 November 2016, 8 Safar 1438 Excellence keys in teaching graduate students (5 H)
3 November 2016, 3 Safar 1438 Successful Experiences In Blackboard usage (4 H)
27 October 2016- 26 Muharram 1438 work shop on making exams and evaluations using Blackboard
12 October 2016 Students motivation and Engaging strategies (6 H)
28 September 2016 Utilizing Problem Solving Approach in Teaching
26 September 2016 Inquiry -based learning
7 September 2015 Designing for Electronic Courses Materials
2 September 2015 Seven principles for Teaching Excellence
21-22 September 2014 / 26- 27 Dhu A-Qadah 1435 Fundamentals of Learning Management system
6-10 April and 13-17 April 2014 Design and Development of Digital-course
29 August 2013, Creative Teaching
26-27 August 2013, Learning through Problem Solving strategy
4 June 2013, E-learning
9-12 February 2013, The 2nd annual forum for university teaching (learning outcomes assessment)
5-6 January 2013, Course Lab (6 H)
15 December 2012, Google applications in teaching
21 May 2012, Student's learning support (4 hours)
6 May 2012 Developing a teaching portfolio (4 hours)
17 April 2012, Learning theories (3 hours)
10 March 2012, Safe and comfortable learning context (3 hours)
5 March 2012, Discipline based teaching & pedagogic research (4 hours)
27-29 November 2011, Incorporating ICT into college teaching(15 hours)
29-30 October 2011, Search in data base and digital libraries (10 hours)

11- 13 October 2011, Learning management systems (Jusur system), at national center for E-learning and distance learning (8 hours)
 4 October 2011, Development of communication skills in dialogue
 19-20 April 2011, Interpersonal Skills (10 hours)
 13-15 March 2011, Cooperative Learning (10 hours)
 19 February 2011, Creative Teaching Skills (6 hours)
 27 October 2010, Smart Classrooms
 20 September. 2010, Assessing Student Learning
 17 June 2010, Teaching Portfolio and Teaching philosophy
 8 June 2010, Leading Engaging Discussions
 1 June 2010, Effectively Assessing Student Learning
 28-29 /6/1431, Learning Management system (LMS)
 14 January 2010, Micro Teaching (6 hours)
 10-12 January 2010, Effective Teaching (12 hours)
 21-25 December 2009, Learning Outcomes Assessments (12 hours)
 14-15 December 2009, Course Design and construction (9 hours)

Conferences attended and scientific participations

1-3 December 2014, 9 -11 Safar, 1436 H, **KACST, KSA**, The 3rd Saudi International Nanotechnology Conference 2104 (3SINC).

29-31 December 2013, **KSU, oral presentations**, " Labels and MSDS; Chemicals Management at all times from ordering to disposal as waste; Chemical Waste Management and Disposal and Managing Chemical spills"

13-14 May 2013/ 3-4 Rajab 1434 H, Riyadh, **KACST, KSA**, The 2nd Saudi international petrochemical Technologies Conference

19-21 November 2011, **Riyadh, KSA**, The fourth international chemistry conference

23 April 2007, **NOCAR, oral presentation**, Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes

27 Dec. 2006, **NOCAR, oral presentation**, Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes.

April 2005, Cardiff University, **Cardiff Easter Conference of Science 2005, poster presentation**, Sulfoxide-directed desymmetrisation of cyclohexa-1,4-dienes

2003, Gregynog -Walse, **Gregynog Postgraduate Conference 2003, oral presentation**, Sulfoxide-directed desymmetrisation of cyclohexa-1,4-dienes

27 July 1999, **NODCAR, oral presentation**, Synthesis and Evaluation of Nitrogen Heterocyclic Compounds of Antitumor Effects

20 March 1999, **Ain Shams University**, Faculty of Science, **oral presentation**, Synthesis and Evaluation of Nitrogen Heterocyclic Compounds of Antitumor Effects

17-19 March 1998, **NOCAR, Conference on Quality Assurance and Drug Safety and Efficacy**

8-10 December 1998, **NODCAR**, Conference of Pharmaceutical Science

Workshops and Training Courses:

- King Saud University, 12- 14 May 2015, **3rd International Symposium on Chemical and Biological Safety & Training Workshops"**
- King Saud University , 21-22 September 2014 / 26- 27 Dhu A-Qadah 1435, **Fundamentals of Learning Management system**
- King Saud University, 9 September 2014 / 14 Dhu A-Qadah 1435, **Referencing Softwares (END NOTE)**
- King Saud University, 2-3 September 2014 / 7-8 Dhu A-Qadah 1435, **Search in Databases and digital Libraries**
- King Saud University, 27-31 October 2013 / 22-26 Dhu A-Qadah 1434, **Training workshop for Chemical safety and Security Officials (CSSO)**
- King Saud University, 28 August 2013, **Writing a successful research grant.**
- King Saud University, 11 -12 May 2013, **Bio-Active Nanofiber Blends via Electrospinning.**
- King Saud university & SABIC, **12-13 November 2012**, Training program on **"Fundamentals of polymer science and its industrial applications"**
- King Saud university, 22-23 May 2012, 8 hours training program in **"Publication in international periodical"**
- King Saud university, Faculty of Medicine 31 March 2012 - 03 April 2012, four days training course entitled **"Internal Auditor for Iso-9001:2008"**
- King Saud University, 1-2 May 2011, **"Successful Research Career & Essentials of Research project Management.**
- King Saud University, 17-20 April 2011, **1st International Symposium for Chemical safety.**
- King Saud University, 25 April 2011, **Standards for Excellency in Research in International Universities**
- King Saud University, 21 March 2011, **"Get Read. Publish with Springer" Scientific Writing and Publishing.**
- King Saud University, 26 October 2010, **Nanotechnology and its Applications**
- King Saud University, 20-21 October 2009, **Tablet Manufacturing Technologies Intensive Course.**
- NODCAR, 7-14 June 2009, **Accreditation of Labs according to ISO / IEC 17025/ 2005**, held by Arab Co. For Engineering & System Consultations.
- Pyramiza Hotel, 11 May 2009, **Seminar on Rapid Resolution HPLC Systems in Drug Discovery and Exploring New Ways in Mass-Spectrometry**, held by Agilent Technologies.

- Intercontinental City Stars Hotel, 28 April 2009, **Seminar on TA Instruments**, held by Thermo Fisher Scientific.
- NODCAR, 18-19 November 2007, **Training on HPLC** held by Agilent.
- NODCAR, 26-27 April 1999, workshop on **Counterfeit Drugs: Detection and Prevention** held by World Health organization.
- NODCAR, 12-14 October 1998, workshop on **Drug Bioavailability and Bioequivalence** held by World Health Organization.
- NODCAR, 23-24 June 1997, workshop on **Drug Stability and Expiry Dates** held by World Health Organization.

Funded Research

- PI of the research group NO. Rg-1435-083 at King Saud University starting at 22/5/1438- 19/2/2017
- PI of the research group NO. Rg-1435-083 at King Saud University starting at 07/8/1436. (2014-2015)

Publications

1. Radhakrishnan S. Jisha; Lilly Aswathy; Vijay H. Masand; Nahed N.E. El-Sayed; Jayant M. Gajbhiye; Indira G. Shibi, **Exploration of 3,6-dihydroimidazo[4,5-d]pyrrolo[2,3-b]pyridin-2(1H)-one derivatives as JAK inhibitors using various in silico technique**. Sent for publication in Journal of Computer-Aided Molecular Design
2. Zainab Al Marhoon Nahed N. E. El-Sayed, Hazem A. Ghabbour, Fadila H. S. Aleanizy, Amal A. Alamer, **Investigation a novel structure of dimethyl 2,2'-(5-amino-4,4,6-tricyano-3-methylcyclohexa-1,5-diene-1,3-diyl) diacetate using X-ray**. Sent to Trop J Pharm Res
3. Yahia Nasser Mabkhot, Fatima Alatibi, Nahed N.E. El-Sayed, Salem S. Al-Showiman, Nabila Abdelshafy Kheder, Hazem A. Ghabbour, **A facile synthesis and characterization of some new thiophene based heterocycles**, *Journal of Molecular Structure* **2017**, 1149, 736-743.
<http://dx.doi.org/10.1016/j.molstruc.2017.08.057>
Available online 17 August 2017.
4. V. H. Masand , N. N. E. El-Sayed, D. T. Mahajan and V. Rastij, **QSAR analysis for 6-arylpyrazine-2-carboxamides as Trypanosoma brucei inhibitors**, *SAR and QSAR in Environmental Research* **2017**, 28 (2), 165-177
<http://dx.doi.org/10.1080/1062936X.2017.1292407>.
Published 24 February 2017.

5. Nada Al-Jaeed, Siham Lahsasni, Hazem A. Ghabbour and Nahed N. E. El-Sayed, **Crystal structure of *N,N*-dimethyl-*N'*-(2-methyl-4-oxo-5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-*d*]pyrimidin-3(4*H*)-yl)formimidamide, C₁₄H₁₈N₄O₅**, *Z. Kristallogr. NCS* **2017**, 232(2), 217–219.
DOI: 10.1515/ncrs-2016-0212. Available online January 20, 2017
6. Nahed N. E. El-Sayed, Norah M. Almaneai, Hazem A. Ghabbour and Ahmed M. Alafeefy, **Crystal structure of (E)-2-(4-hydroxy-3-methoxybenzylidene)-6-methoxy-3,4-dihydronaphthalen-1(2H)-one, C₁₉H₁₈O₄**, *Z. Kristallogr. NCS* **2017**, 232(2), 203–205.
DOI 10.1515/ncrs-2016-0195. Available online December 15, 2016
7. Nahed N. E. El-Sayed, Ahmed M. Alafeefy, Mohammed A. Bakhit, Vijay H. Masand, Ali Aldalbahi, Nan Chen, Chunhai Fan and Abir Ben Bacha, **Synthesis, Antiphospholipase A₂, Antiprotease, Antibacterial Evaluation and Molecular Docking Analysis of Certain Novel Hydrazones**, *Molecules* **2016**, 21 (12), 1664.
DOI: 10.3390/molecules21121664.
<http://www.mdpi.com/1420-3049/21/12>. Published 2 December 2016
8. Hongyang Yi, Xiaojiao Li, Zhuyao Wang, Min Yin, Lihua Wang, Ali Aldalbahi, Nahed Nasser El-Sayed, Hui Wang, Nan Chen, Luonan Chen, Chunhai Fan, and Haiyun Song, **Nanodiamonds Interfere with Wnt-Regulated Cell Migration and Adipocyte Differentiation in Cells and Embryonic Development In Vivo**, *Part. Part. Syst. Charact.* **2016**, 33 (11), 1-9, DOI: 10.1002/ppsc.201600208.
<http://onlinelibrary.wiley.com/doi/10.1002/ppsc.201600208/abstract>
Version of record online: 7 November 2016, Issue online: 25 January 2017
9. Vijay H. Masand, Nahed N. E. El-Sayed, Devidas T. Mahajan, Andrew G. Mercader, Ahmed M. Alafeefy, I. G. Shibi, **QSAR modeling for anti-human African trypanosomiasis activity of Substituted 2-Phenylimidazopyridines**, *Journal of Molecular Structure*, **2017**, 1130, 711-718.
<http://dx.doi.org/10.1016/j.molstruc.2016.11.012>
<http://www.sciencedirect.com/science/article/pii/S0022286016311681>
Available online 5 November 2016.
10. Lu Wang, Xiaoming Li, Yuping Han, Ting Wang, Yun Zhao, Aldalbahi Ali, Nahed Nasser El-Sayed, Jiye Shi, Wenfeng Wang, Chunhai Fan & Nan Chen, **Quantum dots protect against MPP⁺-induced neurotoxicity in a cell model of Parkinson's disease through autophagy induction**, *Science China-Chemistry*, **2016**, 59 (11), 1486-1491.

doi: 10.1007/s11426-016-0103-7

<http://link.springer.com/article/10.1007/s11426-016-0103-7>

Published online October 17, 2016

11. Huating Kong , Kai Xia , Liang Pan, Jichao Zhang , Yan Luo, Yu Zhang , Zhifen Cui , Nahed Nasser El-Sayed , Ali Aldalbahi , Nan Chen , Aiguo Li , Renzhong Tai, Chunhai Fan , Ying Zhu , **Autophagy and lysosomal dysfunction: A new insight into mechanism of synergistic pulmonary toxicity of carbon black-metal ions co-exposure**, *Carbon* , 2017, 111, 322-333.
<http://dx.doi.org/10.1016/j.carbon.2016.10.015>.
<http://www.sciencedirect.com/science/article/pii/S0008622316308740>
Available online 11 October 2016.
12. Yahia Nasser Mabkhot, Fatima Alatibi, Nahed Nasser E. El-Sayed, Nabila Abdelshafy Kheder and Salim S. Al-Showiman, **Synthesis and Structure-Activity Relationship of Some New Thiophene-Based Heterocycles as Potential Antimicrobial Agents**, *Molecules* 2016, 21(8), 1036; doi:10.3390/molecules21081036 (registering DOI).
<http://www.mdpi.com/1420-3049/21/8/1036>
Published: 9 August 2016.
13. Wangping Deng, Yanzhi Dou, Ping song, Huan Xu, Ali Aldalbahi, Nan Chen, Nahed Nasser El-Sayed, Jimin Gao, Jianxin Lu, Shiping Song, Xiaolei Zou, **Lab on smartphone with interfaced electrochemical chips for on-site gender verification**, *Journal of Electroanalytical Chemistry*, 2016, 777, 117-122.
<http://dx.doi.org/10.1016/j.jelechem.2016.08.007>.
<http://www.sciencedirect.com/science/article/pii/S1572665716304039>
Available online 6 August 2016
14. Hongyang Yi, Zhuyao Wang, Xiaojiao Li, Min Yin, Lihua Wang, Ali Aldalbahi, Nahed Nasser El-Sayed, Hui Wang, Nan Chen, Chunhai Fan, Haiyun Song, **Silica Nanoparticles Target a Wnt Signal Transducer for Degradation and Impair Embryonic Development in Zebrafish**, *Theranostics*, 2016, 6 (11), 1810-1820.
doi: 10.7150/thno.16127.
<http://www.thno.org/v06p1810.htm>. Published: 2016.07.18
15. Nahed Nasser E. El-Sayed, Nawal Ali AL-Balawi, Ahmed M. Alafeefy Monirah A. AL-ALShaikh, and Khalid Mohammed Khan, **Synthesis, characterization and antimicrobial evaluation of some thiazole derived carbamates, semicarbazones, amides and carboxamide**, *J. chem. Soc. Pak.*, 2016, 38 (02), 358-368.

http://jcsp.org.pk/PublishedVersion/f6715cf2-864e-4f9c-bc5b-a5a9d35c828fManuscript%20no%2010,%201st%20Gally%20proof%20of%2010421%20_Khalid%20Moham.pdf

16. Yahia Nasser Mabkhot, Fatima Alatibi, Nahed Nasser E. El-Sayed, Salim Al-Showiman, Nabila Abdelshafy Kheder, Abdul Wadood , Abdur Rauf, Saud Bawazeer and Taibi Ben Hadda, **Antimicrobial Activity of Some Novel Armed Thiophene Derivatives and Petra/Osirir/ Molinspiration (POM) Analyses.** *Molecules*, **2016**, 21(2), 222; doi:10.3390/molecules21020222
<http://www.mdpi.com/1420-3049/21/2/222>
Published: 17 February 2016
17. Nahed N.E. El-Sayed, Mahmoud A. Abdelaziz, Wagnat W. Wardakhan, Rafat M. Mohareb, **The Knoevenagel reaction of cyanoacetylhydrazine with pregnenolone, Synthesis of thiophene, thieno[2,3-d]pyrimidine, 1,2,4-triazole, pyran and pyridine derivatives with anti-inflammatory and anti-ulcer activities.** *Steroids*, **2016**, 107, 98–111.
DOI: 10.1016/j.steroids.2015.12.023
<http://www.sciencedirect.com/science/article/pii/S0039128X15003293>
Available online 6 January 2016
18. Sher Wali Khan, Javid H. Zaidi, Nahed Nasser, E. El-Sayed, Khalid Mohammed Khan , Sammer Yousuf , Momin Khan, Akhtar Nadhman, M. Naveed Umar, Shahnaz Perveen, and Ghulam Abbas Miana, **Synthesis, Characterization, Antimicrobial and Antileishmanial Activities of Amide derivatives of L-tartaric acid**, *J. chem. Soc. Pak., (JCSP)*, **2016**, 38 (01), 70 - 79.
http://www.jcsp.org.pk/PublishedVersion/f6715cf2-864e-4f9c-bc5b-a5a9d35c828fManuscript%20no%2010,%201st%20Gally%20proof%20of%2010421%20_Khalid%20Moham.pdf.
Published Feb 2016
19. Reem I. Al-Wabli, Mohamed I. Attia, Hazem A. Ghabbour, Nahed N. E. El-Sayed, Hoong-Kun Fun, **Crystal structure of (2E)-2-[1-(4-bromophenyl)-3-(1H-imidazol-1-yl)propylidene]-N-(2,4-dichlorophenyl)hydrazinecarboxamide, C₁₉H₁₆BrCl₂N₅O**, *Z. Kristallogr. NCS*, **2015**, **230**, 219-220 . ISSN (Online) 2197-4578, ISSN (Print) 1433-7266.
DOI: 10.1515/ncrs-2014-9078,
<http://www.degruyter.com/view/j/ncrs.2015.230.issue-3/ncrs-2014-9078/ncrs-2014-9078.xml>
September 2015.
20. Vijay H. Masand, Devidas T. Mahajan , Ahmed M. Alafeefy , Syed Nasir Abbas Bukhari, Nahed N. Elsayed, **Optimization of antiproliferative activity of substituted phenyl 4-(2-oxoimidazolidin-1-yl) benzenesulfonates: QSAR**

- and CoMFA analyses**, *European Journal of Pharmaceutical Sciences*, **2015**, 77, 230 - 237. doi: 10.1016/j.ejps.2015.06.001
<http://www.sciencedirect.com/science/article/pii/S0928098715002961>
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Social Activities

2003 – 2006 volunteered with BAWSO organisation (Black Association for women stepped out), Cardiff, UK, to provide help to Muslim and Arabian women suffering from domestic violence.