



Prof. Dr. Yaseen A. Al-Soud

Curriculum Vita

Author and Coauthor of about 135 scientific contributions (80 original paper, 1 review, and 54 presentations in international conferences).

- h-index= 24 (Google Scholar, Oct 2021)

Personal Data:

Full Name: Yaseen Ahmad Al-Soud
Date and Place of Birth: 01.10.1967, Al-Mafraq-JORDAN
Nationality: Jordanian
Marital Status: Married
Languages: Arabic: native speaker, English, German

Official Address:

Prof. Dr. Yaseen A. Al-Soud
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**Educational
Experience**

Aug. 2007 – Aug. 2008 "Alexander von Humboldt Stiftung Fellowship" post doctorate research/
Department of Pharmaceutical and Medicinal Chemistry, Faculty of
Pharmacy, University of Saarlandes, Germany.

Oct. 1994 – Aug. 1998 Ph.D. in Chemistry / University of Konstanz, Germany.
Ph.D. Project under the supervision of Prof. J. C. Jochims
Research topic: Syntheses of 1-aza-2-azoniaallene salts and their
reactions with multiple bonds.

Apr. 1994 - Oct. 1994	Course in German language at Goethe-Institute, Mannheim, Germany.
Feb. 1989 – Aug. 1992	M.Sc. in Chemistry / University of Jordan M.Sc. Project under the supervision of Prof. M. El-Abadelah and Prof. S. Sabri Research topic: Studies Related to 4-Quinolone-3-Carboxylic Acid Derivatives And Process of Their Preparation.
Sept. 1985 –Feb. 1989	B.Sc in Chemistry / University of Jordan
Work Experience:	
Sept. 2014- Sept. 2018	Dean of Faculty of Science, Al al-Bayt University, Al-Mafraq, Jordan.
Sept. 2016- Sept. 2018	Dean of Faculty of Aviation Sciences, Al al-Bayt University, Jordan.
Sept. 2013- Sept.2014	Professor, Taibah University, Al-Madinah Al-Munawwarah, KSA.
Sept. 2011- Sept. 2013	Dean of Academic Research, Al al-Bayt University, Al-Mafraq, Jordan.
Sept. 2010-Sept.2011	Deputy Dean of the Faculty of Science, Al al-Bayt University, Al-Mafraq, Jordan.
May 2010- present	Professor at the faculty of Science / Al al-Bayt University, Al-Mafraq, Jordan.
Oct. 2005 – May 2010	Associate Professor at the faculty of Science / Al al-Bayt University, Al-Mafraq, Jordan.

Sept. 2004 – Sept. 2006	Chairman of the Department of Chemistry at Al al-Bayt University, Al-Mafraq, Jordan
Sept. 1998 – Oct. 2005	Assistant Professor at the faculty of Science / Al al-Bayt University, Al-Mafraq, Jordan.
Oct. 1994 – Aug. 1998	Ph.D. in Chemistry / University of Konstanz, Germany.
Feb. 1993 – Apr. 1994	Lecturer at the Faculty of Science / AL-Isra University, Amman, Jordan.
Feb. 1989 – Aug. 1992	Teaching Assistant at the Faculty of Science / University of Jordan for general and organic laboratories during master study.
Honours & Prizes:	<p>[1] Abdul Hameed Shoman Award For Young Arab Researchers, 2011.</p> <p>[2] DFG Fellowship, University of Rostock, Rostock, Germany, June 2011 - Aug. 2011.</p> <p>[3] Alexander von Humboldt Fellowship, University of Saarlandes, Saarbruecken, Germany, July 2010 - Sept. 2010.</p> <p>[4] DAAD Fellowship, University of Saarlandes, Saarbruecken, Germany, July 2009 - Sept. 2009.</p> <p>[5] Scopus (ELSEVIER) award in recognition for contribution to science, 2009.</p> <p>[6] Alexander von Humboldt Fellowship, University of Saarlandes, Saarbruecken, Germany, Aug. 2007 - Aug. 2008.</p> <p>[7] DAAD Fellowship, University of Konstanz, Konstanz, Germany, July 2006 - Sept. 2006.</p> <p>[8] The Al al-Bayt University Distinguished Professor Award, 2005.</p> <p>[9] DAAD Fellowship, University of Hohenheim, Stuttgart, Germany, July 2002 - Sept. 2002.</p> <p>[10] Ph.D. Scholarship from German Academic Exchange Service (DAAD), Konstanz University, Germany, April 1994 - Aug. 1998.</p>

[11] Ph.D. in Chemistry with the honor degree (summa cum laude),
University of Konstanz, Konstanz, Germany, **1994 – 1998**.

[12] Scholarship from the University of Jordan during the study of M.Sc.

Visiting Researcher:

[1] To Prof. Dr. P. Langer group, University of Rostock, Rostock,
Germany, June. **2011** - Aug. **2011**.

[2] To Prof. Dr. R. Hartmann group, University of Saarlandes,
Saarbruecken, Germany, July. **2010** - Sept. **2010**.

[3] To Prof. Dr. R. Hartmann group, University of Saarlandes,
Saarbruecken, Germany, July. **2009** - Sept. **2009**.

[4] To Prof. Dr. R. Hartmann group, University of Saarlandes,
Saarbruecken, Germany, Aug. **2007** - Aug. **2008**.

[5] To Prof. Dr. W. Pfeleiderer group, University of Konstanz, Konstanz,
Germany, July **2006** – Sept. **2006**.

[6] To Prof. Dr. W. Pfeleiderer group, University of Konstanz, Konstanz,
Germany, July **2004** – Sept. **2004**.

[7] To Prof. Dr. U. Beifuss group, University of Hohenheim , Stuttgart,
Germany, July **2002** – Sept. **2002**.

[8] To Prof. Dr. U. Beifuss group, University of Goettingen, Goettingen,
Germany, July **2001** - Sept. **2001**.

[9] To Prof. Dr. H. Laatsch group, University of Goettingen, Goettingen,
Germany, July **1999** - Sept. **1999** .

Community Service

1-Member of the Scientific Committee of "*Fourth International Symposium On Dielectric Materials And Applications (ISyDMA'2019)*", University of Jordan, Amman, Jordan, **2019**

2- Editorial board of Arab Journal of Basic and Applied Sciences
published by University of Bahrain (publisher Taylor & Francis),
(**2018-present**).

3-Member of the Scientific Committee of "*Third International Symposium On Dielectric Materials And Applications (ISyDMA'2018)*", Soltan Moulay Sliman University, Beni Mellal, Morocco, **2018**

- 4-Chair of the conference "*Chemistry and Biosciences & the 15th Jordanian Chemical Conference of Chemistry*", University of Al Al-Bayt, **2017**.
- 5-Member of the organizing committee of the conference "*Jordanian Life Sciences for Sustainable Development*", University of Al Al-Bayt, **2017**.
- 6-Member of the Scientific Committee of "*The 7th Jordanian International Conference of Chemistry*", Yarmouk University, **2016**.
- 7-Chair of the conference "*The 14th Jordanian Chemical Conference of Chemistry*", University of Al Al-Bayt, **2015**.
- 8- Member of panel of Judges awarded the Intel International Science and Engineering Fair (Intel ISEF) / Ministry of Education for the Years **2006-2007, 2009-2013, 2015-2018**.
- 9- Member of the Scientific Committee of the International Conference "*Bulding international Networks for Enhancement of Research in Jordan*", Princess Sumaya University for Technology, **2014**.
- 10- Editor-in-Chief of AL-MANARAH journal for research and studies published by deanship of academic research, Al Al-Bayt university (**2011-2013**).
- 11- Member of the Scientific Committee of "*The 2nd International Conference of materials in Jordan*", Princess Sumaya University for Technology, **2011**.
- 12- Member of the Scientific Committee of "*The 6th Jordanian International Conference of Chemistry*", Yarmouk University, **2011**.
- 13- Member of the editorial board of Jordanian Journal of Chemistry, (**2011-2012**).
- 14- Member of the Scientific Committee of "*The 1st International Conference of materials in Jordan*", German Jordanian University, **2010**.
- 15- Member of the Scientific Committee of "*The 11th Eurasia Conference on Chemical Sciences*", Dead Sea, Jordan, **2010**.
- 16-Member of the Scientific Committee of "*The 1st International Conference of materials in Jordan*", German Jordanian University, **2009**.
- 17- Member of the Scientific Committee of "*The 5th Jordanian International Conference of Chemistry*", Yarmouk University, **2008**.

Teaching

18- Member of Paradise Higher Technical Examination efficiency of University in Chemistry for the academic year **2006/2007**.

19- Member of the Scientific Committee of "*The Petra International Conference of Chemistry*", Tafila Technical University, **2007**.

20- Member of the Preparatory Committee for "*The 7th Jordanian Chemical Conference of Chemistry*", University of Al Al-Bayt, **2007**.

I) Courses given for under-graduate students

- [1] General Chemistry I
- [2] General Chemistry II
- [3] General Chemistry for Nursing Students
- [4] Practical General Chemistry I
- [5] Practical General Chemistry II
- [6] Organic Chemistry I
- [7] Organic Chemistry II
- [8] Organic Chemistry III
- [9] Practical Organic Chemistry I
- [10] Practical Organic Chemistry II
- [11] Organic Chemistry for Biology Students
- [12] Practical Organic Chemistry for Biology Students
- [13] Heterocyclic Chemistry
- [14] Alicyclic Chemistry
- [15] Industrial Chemistry

II) Courses given for postgraduate students

- [1] Advanced Heterocyclic Chemistry
- [2] Advanced Organic Chemistry II

Present Fields of Interest

Areas of our current work include: Synthesis, conformational study, reaction mechanism and biological evaluation of nucleosides and heterocyclic compounds.

Projects

My aim is to provide important contributions to the discovery and development of new drugs for a more efficient treatment of severe human diseases . My group is developing novel selective compounds against major human diseases, which are currently not or insufficiently treatable with available drugs. The research project is guided by the following principle:

- new chemical structures of the compounds

Projects:

- 1- Selective inhibition of 17 β -hydroxysteroid dehydrogenase type 1 (17 β -HSD1): A promising approach for the treatment of hormone-dependent female disorders
- 2- Synthesis of New Non-nucleosides Reverse Transcriptase Inhibitors (NNRTIs) for AIDS Chemotherapy.

External Examiner

- [1] Nemeh Al-Khalailah, Multi-target-directed ligands in Alzheimers disease treatment: Design, synthesis and biological evaluation of potential Alzheimers disease inhibitors, Master thesis, University of Jordan, **2021**
- [2] Abdullah Jarrar, Master thesis, University of Jordan, **2020**.
- [3] Ibrahim Khalil Ibrahim Okashah, Chemisorption of CO₂ through Different Compounds and Reaction Pathways, Master thesis, Al-Balqa Applied University, **2020**.
- [4] Eman Hussein Mohammed Al-Hushki, Design and Synthesis of Triazole Maleimides Hybrid Compounds, Master thesis, The Hashemite University, **2020**
- [5] Bushra Mustafa Ababneh, The Chemoselective [3+2] Cyclization Reaction of Mono-Thiocarbohydrazones With alfa-Haloketones: An Entry to N-amino Substituted Thiazoles, Master thesis, Yarmouk University, **2017**.
- [6] Malath Ahmad Al-qtaitat, Synthesis and Antitumor Activity of Biphenyl-4,4-Hydrazones And Bi-Cinnolines Having 1-Piperazinyl Moieties and Related, Ph.D. thesis, University of Jordan, **2017**.

- [7] Nafal Nazar Bahjat, Synthesis of New 1,2,4-Triazole and 1,3,4-Oxadiazole Derivatives Derived from 2-Ethylsulfanyl Benzohydrazide and Evaluation of their Biological Activities, Ph.D. thesis, University of Malaya, Malaysia, **2015**.
- [8] Wageeh A. Yehya, Design, Synthesis, Multipotent Antioxidant Activity of New Heterocycles and Some Reaction Based on butylated Hydroxy Toluene (BHT) Moiety, Ph.D. thesis, University of Malaya, Malaysia, **2012**.
- [9] Do'a Yousef Al-awadi, *Synthesis and Characterization of New Metronidazole Diamide*, Master thesis, University of Jordan, **2012**.
- [10] Imman Daas awad, *Synthesis, Characterization and Biological Activity of some 3-(Piperazine-1-yl) Cinonline derivatives*, Master thesis, University of Jordan, **2011**.
- [11] Mohammed Sudgi Mustafa, *Synthesis and Bioassay of Some N1-(Coumarin-7-yl)Amidrazones And Related Congeners*, Master thesis, University of Jordan, **2010**.
- [12] Mohammed N. Al-Dweri, *Preparation and Characterizat of Some Polyester and Sudyng Their Ability to Adsorb Pb(II), Cd (II), Cu(II)*, Ph.D. thesis, University of Jordan, **2010**.
- [13] Anas Jber Rasras, *Synthesis and anti-microbial studies of some new cholic acid derivatives*, Master thesis, University of Jordan, **2009**.
- [14] Manar Arafeh, *Synthesis of some 2- (aryldiazenyl)-1H-3-methyl benzo[g]indoles) of some 2-substituted-Indol Derivatives*, Master thesis, The Hashemite University, **2007**.
- [15] Ahmad Q. Darawsheh, *Bimetallic Group 6 Carbonyl Complexes Containing Chelated and Bridging Bidentate Ligands*, Master thesis, Jordan University of Science and Technology, **2006**.
- [16] Mohanad G. Shkoor, *Synthesis, Characterization and Biological effects of newly substituted Imidazoles*, Master thesis, Yarmouk University, **2005**.
- [17] Ehab Q. A. Al-Momani, *Synthesis of some S-substituted-2-thio-7-fluoro-6-(4-methyl-1-piperaziny)-4(3H)-quinazolinones*, Master

**Supervision of
graduate students**

thesis, The Hashemite University, **2005**.

[18] Areej M. Al-Ghol, *Synthesis , Spectroscopic Properties of Substituted Bis Pyrazoles*, Master thesis, Yarmouk University, **2002**.

Co / supervision of several M.Sc. and Ph.D. Students at Al al-Bayt University and University of Jordan:

[1] Kafa' A. Al-Helal, Synthesis and Characterization of 5-(Substituted Piprazinyl)Imidazole Derivatives, M.Sc. thesis, Al al-Bayt University, **2019**.

[2] Ala'a H. Al-Ahmad, Synthesis, Characterization and Reactions of (5-Bromo-Imidazole) Derivatives with Substituted Piperazine, M.Sc. thesis, Al al-Bayt University, **2019**.

[3] Sedeeqa O. W. Saber, Synthesis and Characterization of New Triazole\ Isoxazole – Nitroimidazole Hybrid Systems via Click Chemistry as a Potential Biologically Active Motifs, Ph.D. thesis, University of Jordan, **2019**.

[4] Abdullah M. Al-Balushi, Synthesis and Characterization of New 1,2,4-Triazol 5-Carbohydrazone Derivatives as Antibacterial Agents, Master thesis, Al Al-Bayt University, **2012**.

[5] Hussam Al-Suod, Synthesis and Characterization of New Imidazole Derivatives via Suzuki Coupling, Master thesis, Al Al-Bayt University, **2011**.

[6] Safaa H. Khashashneh, Synthesis, Characterization and Biological Activity of New Benzothiazoles Bearing Heterocyclic Backbones, Master thesis, Yarmouk University, **2010**.

[7] Sedeeqa O. Saber, New Benzothiazole Derivatives: Reaction of (4-benzothiazol-2-yl- piperazin-1-yl)-acetic acid hydrazide with sulfonylchloride, Master thesis, Al al-Bayt University, **2009**.

[8] Reem H. Al-Shaneek, Synthesis of New Benzothiazole Derivatives, Master thesis, Al al-Bayt University, **2008**.

[9] Mohammed Al-Khaledi, *Synthesis and* Characterization of New

Substituted Benzothiazoles, Master thesis, Al al-Bayt University, **2007**.

- [10] Ihsan Husni Jaber, *Synthesis and Characterization of New Sulfonamid Derivatives*, Master thesis, Al al-Bayt University, **2007**.
- [11] Houssain A. S. Amjaour, *Synthesis of New Imidazole Derivatives*, Master thesis, Al al-Bayt University, **2006**.
- [12] Mohammed N. A. Qalalweh, *Synthesis of New Piperazine Derivatives*, Master thesis, Al al-Bayt University, **2005**.
- [13] Mohammed N. Al-Dweri, *Synthesis Characterization and Biological Activity Study of New Class of 5-Membered Heterocycles*, Master thesis, Al al-Bayt University, **2004**.

Grants and Contracts

- [1] Research Grant from Deutscher Akademischer Austauschdienst (DAAD), **2001**. Konstanz University, Germany. Title: "Synthesis and biological study of 4-quinolone derivatives as antibacterial agents". (30000 Mark)
- [2] Research Grant from Al al-Bayt University, **2006**. Title: "Synthesis and biological studies of imidazole derivatives ". (6000 JD)
- [3] Research Grant from Scientific Research and Innovation Support Fund, Ministry of Higher Education & Scientific Research, **2017**. Title: "Synthesis and biological activity of nitroimidazole derivatives as potential anti-tumor and anti-bacterial agents". (137000 JD)

Publications

- [1] Al-Qawasmeh, R.A.; Sadeekah O. W. Saber; **Al-Soud, Y.A.**; Khanfar, M.A.
"The crystal structure of 1-(N1-benzyl-2-methyl-4-nitro-imidazol-5-yl)-4-(prop-2-yn-1-yl) piperazine, C₁₈H₂₁N₅O₂
Zeitschrift für Kristallographie-New Crystal Structures, **2022**, accepted
- [2] **Al-Soud, Y.A.**; Alhial, K.A.S.; Saeed, B. A.; Abu-Qatouseh, L.; Al-Suod, H.H.; Al-Ahmad, A.H.; Al-Masoudi N.A. and Al-Qawasmeh, R.A.

- "Synthesis, anticancer activity and molecular docking studies of new 4-nitroimidazole derivatives"
ARKIVOC (Archive for Organic Chemistry), **2021**, viii, 296-309.
- [3] **Al-Soud, Y.A.**; Al-Ahmad, A.H.; Abu-Qatouseh, L.; Shtaiwi, A.; Alhial, K.A.S.; Al-Suod, H.H.; Alsawakhneh, S.O. and Al-Qawasmeh, R.A.;
"Nitroimidazoles part 9. Synthesis, molecular docking, and anticancer evaluations of piperazine tagged-imidazole derivatives"
Z. Naturforschung (A Journal of Chemical Sciences) **2021**, 76(5), 293-302.
- [4] Al-Sa'doni, H.H.; Mohammed, H.A.; Al-Najjar, B.O.; Al-Suod, H.H.; Al-Ahmad, A.H.; Al-Soud, E.Y.; Alhelal, K.A.S. and **Al-Soud, Y.A.**
"Synthesis, molecular docking and evaluation of hetaryl fragment tagged 1*H*-1,2,4-triazole derivatives as nematicidal agents"
Jordan Journal of Chemistry, **2021**, 16(1), 1-12.
- [5] Al-Sa'doni, H.H. ; Delmani, F-A; Al Balushi, A.M.; Al-Ahmad, A.H.; Alsawakhneh, S.O.; **Al-Soud, Y.A.**
"Synthesis and Anti-bacterial Activities of New 1,2,4-Triazole-3 Carbohydrazide Derivatives"
European Journal of Chemistry, **2020**, 11(2), 113-119.
- [6] Said, M.; Aouad, M.R.; Messali, M; Rezki, M.N.; **Al-Soud, Y.A.**
"Green microwave versus conventional synthesis and crystal structure of 1-(4-(Benzothiazol-2-yl)piperazin-1-yl)-2-(4-phenyl-1*H*-1,2,3-triazol-1-yl)ethanone"
Journal of Taibah University for Science, **2020**, 14(1), 549-556.
- [7] Al-Qawasmeh, R.A.; **Al-Soud, Y.A.**; Alhial, K.A.S.; Khanfar, M.A.
"The crystal structure of 3-(1-benzyl-2-ethyl-4-nitro-1*H*-imidazol-5-ylthio)-propanoic acid, C₁₅H₁₇N₃O₄S"
Zeitschrift für Kristallographie-New Crystal Structures, **2020**, 235(3),

751-753.

- [8] Asghar, N.; Maimoona Yasinzai, M.; Lieberzeit, P.A.; **Al-Soud, Y.A.**; Mustafa, G.
"Real-time and Online Monitoring of Glucose Contents by using Molecular Imprinted Polymer based IDEs Sensor",
Applied Biochemistry and Biotechnology, **2019**, 189(4), 1156-1166.
- [9] Aouad, M.R.; Owayad, M.A.; Soliman, M.A.; Bardaweel, S.K.; Ali, A.A.; Messali, M.; Rezki, N.; **Al-Soud, Y.A.**
"Design, synthesis and anticancer screening on human breast and colon cancer cell lines using novel Benzothiazole-piperazine-1,2,3-triazole hybrids"
Molecules, **2018**, 23, 2787.
- [10] Al-Talib, M.; **Al-Soud, Y.A.**; Abussaud M.I.; Khsashneh, S.
"Synthesis and Biological Evaluation of New Benzothiazoles as Antimicrobial Agents",
Arabian Journal of Chemistry, **2016**, 9 (S1), S926-S930.
- [11] Irshaid, F.I.; Jacob, H.J.; **Al-Soud, Y.A.** and Mohammed, A.H.;
"Nematocidal Effect of 1,2,4-triazole Derivatives Against *Bursaphelenchus xylophilus*"
Asian J. of Biochem., **2016**, 11(3), 156-161.
- [12] **Al-Soud, Y.A.**; Moussa, Z.; Al-Ghamidi, A.F.
"Microwave-Assisted Synthesis, NMR, and Cyclic Voltammetric Study of Some Novel 3,5-Disubstituted 1*H*-1,2,4-Triazoles Containing Hetaryl Fragments"
American Chemical Sciences Journal, **2014**, 4(6), 1001-1013.
- [13] Jacob, H.J.; Irshaid, F.I.; **Al-Soud, Y.A.**
"Synthesis and Antibacterial Activity of Novel 1,2,4-Triazole Derivatives Against Standard and Medical Bacteria "

Advanced Studies in Biology, **2013**, 5(6), 291-301.

- [14] Jacob, H.J.; Irshaid, F.I.; **Al-Soud, Y.A.**; Al-Balushi, A.M.; Al-Arqan, H.R.
"Antibacterial Activity of Some Selected 1,2,4-Triazole Derivatives Against Standard, Environmental, and Medical Bacterial Strains"
Advanced Studies in Biology, **2013**, 5(6), 303-318.
- [15] Saleh, N.; Graham, J.; Afaneh, A.; **Al-Soud, Y. A.**; Esmadi, F. and Schreckenbach G. H.
"Pteridine-based fluorescent pH sensors designed for physiological applications "
Journal of Photochemistry and Photobiology A: Chemistry, **2012**, 247, 63-73.
- [16] **Al-Soud, Y.A.**; Al-Masoudi, N.A.; Al-Suod, H. H. and Pannecouque, C.
"Nitroimidazoles Part 8. Synthesis and Anti-HIV Activity of New 4-Nitroimidazole Derivatives Using The Suzuki Cross-Coupling Reaction"
Z. Naturforschung (A Journal of Chemical Sciences), **2012**, 67b (9), 925-934.
- [17] **Al-Soud, Y.A.**; Marchais-O., S.; Frotscher, M. and Hartmann, R.W.
"Synthesis and Biological Evaluation of Phenyl Substituted 1*H*-1,2,4-Triazoles as Non-Steroidal Inhibitors of 17-beta Hydroxysteroid Dehydrogenase Type 2"
Arch. Pharm. Chem. Life Sci, **2012**, 345(8), 610-621
- [18] Ali, I.; Siyo, B.; **Al-Soud, Y.A.**; Villinger, A.; Langer, P.
"Regioselective Suzuki-Miyaura Cross-Coupling Reactions of 2,6-Dichloroquinoxaline"
Synthesis, **2012**, 44(11), 1637-1646
- [19] Xu, K.; **Al-Soud, Y.A.**; Wetzel, M.; Hartmann, R. W. and Marchais-Oberwinkler, S.

"Ring Opening of aryl substituted triazoles leads to thiophene-2-carboxamides as a new class of 17beta-Hydroxysteroid Dehydrogenase Type 2 inhibitors"
European Journal of Medicinal Chemistry, **2011**, 46 (12), 5978-5990.

- [20] **Al-Soud, Y.A.**; Heydel, M. and Hartmann, R.W.
"Design and Synthesis of 1,3,5-trisubstituted 1,2,4-triazoles as CYP enzyme inhibitors"
Tetrahedron Letters, **2011**, 52 (41), 6372-6375.
- [21] Al-Masoudi, N.A.; Saleh, B. A. and **Al-Soud, Y.A.**;
"Quantitative Structure-Activity Relationship (QSAR) on New Benzothiazoles Derived Substituted Piperazine Derivatives"
J. Comput. Theor. Nanosci., **2011**, 8(10), 1945-1949.
- [22] Saleh, N.; **Al-Soud, Y. A.** Al-Kaabi; Ghosh, Indrajit and Nau, W.M.
"Acoumarin-based fluorescent PET sensor utilizing supramolecular pK shifts "
Tetrahedron Letters, **2011**, 52, 41, 5249-5254.
- [23] **Al-Soud, Y.A.**; Al-Sa'doni, H.H.; Saber, S. O. W.; Al-Shaneek, R. H. M. ; Al-Masoudi, N.A.; Saleh, B.A.; Loddo, R. and La Colla, P.
"Synthesis and *in vitro* Antiproliferative Activity of new Benzothiazoles Derived Substituted Piperazine Derivatives"
Z. Naturforschung (A Journal of Chemical Sciences), **2010**, 65b (11), 1372-1380.
- [24] **Al-Soud, Y.A.**; Mohammed, A.H.; Abu-amer, A.
"Microwave-Assisted Synthesis and Antioxidant Properties of Some New 1,2,4-Triazole Derivatives"
Jordan Journal of Chemistry, **2010**, 5 (2), 119-129.
- [25] **Al-Soud, Y.A.**; Bey, E.; Alexander, O.; Marchais-O., S.; Werth, R.; M., Kruchten, P.; Frotscher, M. and Hartmann, R.W.

"The Role of the Heterocycle in Bis(hydroxyphenyl)triazoles for Inhibition of 17 β -Hydroxysteroid Dehydrogenase (17 β -HSD) Type 1 and Type 2"

Molecular and Cellular Endocrinology, **2009**, 301(1-2), 212-215.

[26] Al-Masoudi, N. A.; Saeed, B. A.; Essa, A. H. and **Al-Soud, Y. A.**
"Microwave-assisted Synthesis of Acyclic C Nucleosides From 1,2- and 1,3- Diketones"

Nucleosides, Nucleotides & Nucleic Acids, **2009**, 28 (3), 175-183.

[27] Bey, E.; Marchais-O., S.; Werth, R.; Negri, M., **Al-Soud, Y.A.**; Kruchten, P.; Alexander, O.; Frotscher, M.; Birk, B. and Hartmann, R.W.

"Design, Synthesis, Biological Evaluation and Pharmacokinetics of Bis(hydroxyphenyl) substituted Azoles, Thiophenes, Benzenes and Aza-benzenes as Potent and selective non-steroidal Inhibitors of 17 β -Hydroxysteroid Dehydrogenase Type 1 (17 β -HSD1)"

J. Med. Chem., **2008**, 51(21), 6725-6739.

[28] Saleh, N.; **Al-Soud, Y. A.** and Nau, W. M.

"Novel fluorescent pH sensor based on coumarin with piperazine and imidazole substituents"

Spectrochimica Acta, Part A, **2008**, 71(3), 818-822.

[29] **Al-Soud, Y.A.**; Al-Sa'doni, H.H.; Saeed, B.; Jaber, I.H.; Bani Khalid, M. A.; Al-Masoudi, N.A.; Abdul-Kadir, T.; La Colla, P.; Busonera, B.; Sanna, T. and Loddo, R.

"Synthesis and *in vitro* Antiproliferative Activity of New Benzothiazol Derivatives"

ARKIVOC (Archive for Organic Chemistry), **2008**, (xv), 225-238.

[30] **Al-Soud, Y. A.**

"Synthesis, structure and *in vitro* anti-HIV activity of new pyrazole,

1,2,4- thiadiazole and 1,2,4-triazole derivatives"

Phosphorus, Sulfur & Silicon, **2008**, 183(10), 2621-2636.

- [31] Al-Masoudi, N. A. and **Al-Soud, Y. A.**
"New Sulphonamide and Carboxamide Derivatives of Acyclic C-
Nucleosides of Triazolo-Thiadiazole and The Thiadiazine
Analogues. Synthesis, anti-HIV and Antitumor Activity. Part 2."
Nucleosides, Nucleotides & Nucleic Acids, **2008**, 27(9), 1034-1044.
- [32] Al-Masoudi, I. A.; **Al-Soud, Y. A.**; Noori, S. H.; Schuppler, T. and
Al-Masoudi; N. A.
"Synthesis and Anti-HIV Activity of New 6-Thioarylpyrimidines and
Related Compounds"
Phosphorus, Sulfur & Silicon, **2008**, 183(7), 1571-1583.
- [33] **Al-Soud, Y. A.**; Al-Masoudi, N. A.; Schuppler, T.; De Clercq, E. and
Pannecouque, C.
"Microwave-Assisted Synthesis And *anti*-HIV Activity of New Acyclic
C- Nu-cleosides of 3-(D-Erythro-Tetritol-1-yl)-5-Mercapto-1,2,4-
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Cooperation

During the time, a network of cooperation with several international and Jordanian research groups have been established and reinforced

- [1] Professor Dr. Najim Al-Masoudi, Department of Chemistry, University of Konstanz, Konstanz, Germany.
- [2] Professor. Dr. R. Hartmann, University of Saarlandes, Saarbrueken, Germany,
- [3] Professor Dr. Johannes C. Jochims, Konstanz University, Germany.
- [4] Professor Dr. U. Beifuß, Hohenheim University, Stuttgart, Germany.
- [5] Professor Dr. E. De Clercq, *Rega Institute for Medical Resreach, Katholieke Universiteit Leuven, B-3000 Leuven, Belgium*
- [6] Professor Dr. Mahmoud Al-Talib, Chemistry Department, Yarmouk University, Irbid – Jordan.
- [7] Professor Dr. Hasan Tashtoush, Chemistry Department, Yarmouk University, Irbid – Jordan.
- [8] Dr. Ibrahim A. I. Ali, Department of Chemistry, Faculty of Science, Suez Canal University, Ismailia, Egypt
- [9] Dr. Iman A. Al-Masoudi, *College of Veretinary, University of Basrah, Basrah, Iraq*
- [10] Dr. Na'il Saleh, Chemistry Department, Yarmouk University, Irbid – Jordan.
- [11] Prof. Dr. R. Al-qawasmeh, Chemistry Department, Jordan University, Jordan.
- [12] Dr. Luay Abu-Qatouseh, Faculty of Pharmacy, University of Petra, Jordan.
- [13] Dr. Ghulam Mustafa, Faculty of Basic and Applied Sciences, International Islamic University, Islamabad, Pakistan.
- [14] Cooperation with my colleague (Dr. H. Al-Sa'doni) from Al al-Bayt University at the department of chemistry, Jordan.

