

CURRICULUM VITAE



Personal Details

Surname	Salman
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Birthdate and place	Iraq / Baghdad, 21 th , Juli 1979
Nationality	Iraqi
Marital status	Married
Present Position	Lecturer and researcher in the chemistry department college of science Mustansiriyah university
Academic Title:	Assistance professor

Education

01/2009 - 01/2012

Ph.D. Student at University of Rostock, Institute of Chemistry,
Department of Organic Chemistry, Germany, Research group
of Professor Peter Langer

title: "Synthesis of Functionalized Benzofurans, Diaryl-
Substituted 1,2,3,4-Tetrahydro-9,10-Anthracen-1-ones, 5,10-
Diaryl-11*H*-benzo[*b*]fluoren-11-ones, Benzothieno[3,2-
b]quinolines, Thieno[3,2-*b*]pyrroles, Benzofuro[3,2-
b]quinolines, and Furo[3,2-*b*]quinolines by Regioselective
Palladium(0)-Catalyzed Cross-Coupling and Domino C-N
Coupling/Annulation Reactions"

very good, (1.3) magna cum laude

09/ 2002 - 08/ 2004	M.Sc in Chemistry, Al-Nahrain University, Baghdad, Iraq. Thesis title: "Preparation of cross-linged polymer as a stationary face for the separation of some amino acids and polyaromatic compounds". Note: GPA (84.6%), (Very good), rank 4st.
09/1998 - 06/2001	Bachelor (BSc.) in Chemistry, Al-Nahrain University, Baghdad, Iraq. Note: GPA (71.53%), (good), rank 10 rd .

Professional Experience

Synthesis	Organic Synthesis Procedures and modern purification techniques of organic compounds.
Catalysis	wide knowledge about Organometallic and Catalytic Reactions "Cross Coupling"; "Homogeneous Catalysis"
Laboratory Manager	Supervision of graduate and undergraduate students for Organic Chemistry during their Projects
Analytical Methods	Gas chromatography GC, Thin layer Chromatography TLC, Calumn Chromatography, HPLC Analysis and Preparative, Spectroscopy ¹ H-NMR, ¹³ C-NMR, Dept und 2D- Sptroscopy "Noesy und Cosy" and IR.
Computer & Software	System: Windows (Operating System), Internet resources Software: Word, Excel, PowerPoint, CorelDraw, ChemDraw Databases: Beilstein, SciFinder Scholar

Working Experience

During Master studies	Al-Nahrain chemistry Labs supervision
2005-till now	Al-Mustansiriyah university as lecturer and researcher

Languages

Arabic	Native speaker
English	fluently in writing, listening and speaking
German	Average

Awards	
Scholarships	<p>Deutscher Akademischer Austausch Dienst</p> <p>German Academic Exchange Service Scholarship</p> <p>2008-2012 (Full Ph.D. scholarship)</p> <p>The Matsumae International Foundation (MIF), Japan</p> <p>October 2016- April 2017</p> <p>Postdoc at the Institute of Chemistry, Department of Organic Chemistry, Rostock university, Germany, Research group of Professor Peter Langer (August 2015- August 2016) supporting by ministry of higher education and scientific research Iraq/Baghdad.</p>
Research Interests	
	<ul style="list-style-type: none"> • Palladium catalyzed couplings • Methodology development in heterocycles synthesis • Homogeneous catalysis • Asymmetrical synthesis
Hobby	
	<p>Music, Photography, Reading, and several group matches like Football</p>

List of publications:-

[1] “Domino C-N coupling / annulation versus C-N coupling / hydroamination of 2-alkynyl-3-bromobenzothiophenes and 2-alkynyl-3-bromothiophenes. Highly efficient synthesis of benzothieno[3,2-b]quinolines and thieno[3,2-b] pyrroles. **Salman, G. A.**; Hussain, M.; Iaroshenko, V. O.; Villinger, A.; Langer, P. *Adv. Synth. Catal.* **2011**, 353, 331.

- [2] "Regioselective Suzuki-Miyaura Reactions of the Bis(triflate) of 1,2,3,4-Tetrahydro-9,10-dihydroxyanthracen-1-one". **Salman, G. A.**; Mahal, A.; Shkoor, M.; Hussain, M.; Villinger, A.; Langer, P. *Tetrahedron Lett.* **2011**, 52, 392.
- [3] "Site-selective Suzuki-Miyaura Reactions of the Bis(triflate) of 5,10-Dihydroxy-11Hbenzo[b]fluoren-11-one". **Salman, G. A.**; Hussain, M.; Villinger, A.; Langer, P. *Synlett*, No. 20, **2010**, 3031.
- [4] "Synthesis of Functionalized Benzofurans by a Double Heck Reaction of 2,3-Dibromofurans and Subsequent 6π -Electrocyclization/Dehydrogenation". **Salman, G. A.**; Ali, A.; Hussain, M.; Khera, R. A.; Langer, P. *Synthesis*, **2011**, No. 14, 2208.
- [5] "Efficient Synthesis of Functionalized Anthraquinones by Domino Twofold Heck / 6π -Electrocyclization Reactions of 2,3-Dibromonaphthoquinone". Hussain, M.; Zinad, D. S.; **Salman, G. A.**; Sharif, M.; Villinger, A.; Langer, P. *Synlett* **2010**, 276-280.
- [6] "Pyrrole versus quinoline formation in the palladium catalyzed reaction of 2-alkynyl-3-bromothiophenes and 2-alkynyl-3-bromofurans with anilines. A combined experimental and computational study". **Salman, G. A.**, Nisa, R.; Iaroshenko, V.; Iqbal, J.; Ayub, K.; Langer, P. *Org. Biomol. Chem.* **2012**, 10, 9464.
- [7] "Palladium(0)-catalyzed Domino C-N Coupling/Hydroamination/C-H Arylation: Efficient Synthesis of Benzothieno[2',3':4,5]pyrrolo[1,2-f]phenanthridines". **Salman, G. A.**, Ngo Nghia Pham, a, Thang Ngoc Ngo, Peter Ehlers, Alexander Villinger, and Peter Langer, *Adv. Synth. Catal.* **2017**, 359, 1–6.
- [8] "Synthesis of Pyrimido[5',4':4,5]pyrrolo[1,2-f]phenanthridines by a One-Pot C–N-Coupling/Hydroamination/C–H-Arylation Sequence". Ngo Nghia Pham, **Salman, G. A.**, Nadjah Belattar, Tuan Thanh Dang, Peter Ehlers, and Peter Langer, *Eur. J. Org. Chem.* **2017**, 989–995.

[9] "Synthesis of Quinolino[3',4':4,5]pyrrolo[1,2-f]phenanthridines by Regioselective Sonogashira Reaction Followed by Domino C–N Coupling/Hydroamination/C–H Arylation". Ngo Nghia Pham, **Salam, G. A.**, Marian Blanco Ponce, Tuan Thanh Dang, Anke Spannenberg, Peter Ehlers, and Peter Langer, *Eur. J. Org. Chem.* **2017**, 3865–3873.

[10] "Rapid interaction, in aqueous media, between anionic dyes and cellulosic Nerium oleander fibers modified with Ethylene-Diamine and Hydrazine". Mahjoub Jabli, Najeh Tka, **Salam, G. A.**, Arwa Elaissi, Nouha Sebeia, Mohamed Hamdaoui, *Journal of Molecular Liquids* , 242 (2017) 272–283.

[11] "Synthesis of Novel 3-Acetyl N-methyl-2- Quinolone Derivatives with Expected Antimicrobial Activity". **Salam, G. A.**, *Al-Mustansiriya Journal of Science*, **2017**, 14, 234.

[12] "Convenient synthesis of 11-substituted 11*H*-indolo[3,2-*c*]quinolines by sequential chemoselective Suzuki reaction/double C-N coupling". Ngo Nghia Pham, Sophie Janke, **Salman, G. A.**, Tuan Thanh Dang, Thanh Son Le, Anke Spannenberg, Peter Ehlers, Peter Langer, *Eur. J. Org. Chem.* **2017**, 5554–5565

[13] " Amines modified fibers obtained from natural *Populus tremula* and their rapid biosorption of Acid Blue 25 ". Najeh Tka, Mahjoub Jabli, Tawfik A. Saleh, **Salman, G. A.**, *Journal of Molecular Liquids* , 250 (2017) 423–432.

[14] " Comparative Study on Conventional and Ultrasound Irradiation Promoted Synthesis of 2,3-Disubstitutedquinoxaline Derivatives". **Salman, G. A.**, Hamid Mohammed, Ahmed Mutanabbi Abdula, Zainab N. Mageed, *Al-Mustansiriya Journal of Science*, **2017**, 28, 344.

[15] " Convenient synthesis of 10*H*-indolo[3,2-*b*]quinolines and 6*H*-indolo [2,3-*b*]quinolines by sequential chemoselective Suzuki reaction followed by double C-N coupling". **Salman, G. A.**, Sophie Janke, Ngo Nghia Pham, Peter Ehlers, Peter Langer, *Tetrahedron Journal*, 74 (2018) 1024-1032.

- [16] "Design, synthesis, and biological evaluation of new quinoline-based heterocyclic derivatives as novel antibacterial agents" **Salman, G. A.**, Dhafer, S. Zinad, Ahmed Mahal, *Monatshefte für Chemie - Chemical Monthly*, 151 (2020), 1621–1628.
- [17] Synthesis of 2-Alkynyl- and 2-Amino-12H-benzothiazolo[2,3-b]quinazolin-12-ones and Their Inhibitory Potential against Monoamine Oxidase A and B, Behzad Jafari, Saquib Jalil, Sumera Zaib, Sayfidin Safarov, Muattar Khalikova, Djurabay Khalikov, Meirambek Ospanov, Nazym Yelibayeva, Shynar Zhumagalieva, Zharylkasyn A. Abilov, Mirgul Z. Turmukhanova, Sergey N. Kalugin, Ghazwan Ali Salman, Peter Ehlers, Abdul Hameed, Jamshed Iqbal, Peter Langer, *Chemistry select*, 19, 2019, 13760-13767.