

Curriculum Vitae



Nayyef Hassan Muslem Al- Jaar

Marital Status	Married
Nationality	Jordanian
Present Occupation	Assistant Professor of Organic Chemistry
Corresponding address	Department of Chemistry Faculty of Sciences Hashemite University Post Office – Zip Code 13133 (Zarqa, Jordan)
Email	nayyef@hu.edu.jo
Tel	00962777046420

Education

- 2008-2013 Dr. rer. nat., Hohenheim University, Germany
- 2001-2004 M.Sc in Chemistry, Al al-Bayt University, Mafraq, Jordan
- 1991-1995 B.Sc in Chemistry, Yarmouk University, Irbid, Jordan

Teaching Experience

- 2018-present Teaching Organic Chemistry in Hashemite University
- 2013-2018 Teaching Organic Chemistry and Pharmaceutical Organic Chemistry in Al-Ahliyya Amman University
- 2009-2013 Teaching Assistant in the laboratory of Prof. Dr. Beifuss, Institute of Chemistry, University of Hohenheim, Stuttgart, Germany
- 2005-2008 Ministry of Education, Jordan
- 2004-2005 Ministry of Education, United Arab Emirates
- 1996-2004 Ministry of Education, Jordan

Research Activities

- 10/2008-03/2013 Doctoral work in synthetic organic chemistry at the University of Hohenheim, Stuttgart, Germany under the supervision of Prof. Dr. Uwe Beifuss
- Thesis Title:
New Methods for the Efficient Synthesis of Dibenzofurans, Naphthoxazoles and Phthalazines
- 1/2001-6/2004 M. Sc thesis under the supervision of Dr. Basem F. Ali at the University of Al al-Bayt, Jordan
- Thesis Title:
Transition Metal Complexes with N-Heterocyclic Ligands

Research Interests

Development of Synthetic Methodology to

- Transition Metal Catalyzed Reactions
- Domino Reactions
- Microwave Chemistry

Scholarship:

- 2008 – 2013 Ph.D scholarship from the University of Hohenheim.

Grants:

- 30/07/2015-30/10/2015 Research grant from the University of Hohenheim.
- 15/06/2016- 15/09/2016 Research grant from German Research Foundation (DFG).

List of Publications

1. Nayyef Aljaar, Chandi C. Malakar, Jürgen Conrad, Sabine Strobel, Thomas Schleid and Uwe Beifuss

“Cu-Catalyzed Reaction of 1,2-Dihalobenzenes with 1,3-Cyclohexanediones for the Synthesis of 3,4-Dihydrodibenzo[*b,d*]furan-1(2*H*)-ones”

J. Org. Chem. **2012**, 77, 7793–7803.

2. Nayyef Aljaar, Chandi C. Malakar, Jürgen Conrad, Wolfgang Frey and Uwe Beifuss

“Reaction of 1-Nitroso-2-naphthols with α -Functionalized Ketones and Related Compounds: The Unexpected Formation of Decarbonylated 2-Substituted Naphtho[1,2-*d*][1,3]oxazoles”

J. Org. Chem. **2013**, 78, 154–166.

3. Nayyef Aljaar, Jürgen Conrad and Uwe Beifuss

“Synthesis of 2-Aryl-1,2-dihydrophthalazines via Reaction of 2-(Bromomethyl)benzaldehydes with Arylhydrazines”

J. Org. Chem. **2013**, *78*, 1045–1053.

4. Ahmed H. Moustafa, Chandi C. Malakar, Nayyef Aljaar, Elena Merisor, Jürgen Conrad and Uwe Beifuss

“Microwave-Assisted Molybdenum-Catalyzed Reductive Cyclization of *o*-Nitrobenzylidene Amines to 2-Aryl-2*H*-indazoles”

Synlett **2013**, *24*, 1573–1577.

5. Nayyef Aljaar, Chandi C. Malakar, Jürgen Conrad and Uwe Beifuss

“Base-Promoted Domino Reaction of 5-Substituted 2-Nitrosophenols with Bromomethyl Aryl Ketones: A Transition-Metal-Free Approach to 2-Aroylbenzoxazoles”

J. Org. Chem. **2015**, *80*, 10829–10837.

6. Nayyef Aljaar, Jürgen Conrad and Uwe Beifuss

“Pd-Catalyzed the Synthesis of 2-Substituted-2*H*-indazoles via the Reaction of Hydrazines and 2-Bromobenzylbromides”

(Manuscript under preparation)

7. Nayyef Aljaar, Jürgen Conrad and Uwe Beifuss

“Synthesis of Fluorescent Benzoxazoles”

(Manuscript under preparation)