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Dr. Abdullah Mabkhot Ali Shumaila

Assistant Professor , Organic Chemistry

Precise Specialization:

Selective Organic Synthesis and Green Heterogeneous Catalysis (Solid - Inorganic Catalysis)

Department of Pharmacy, Faculty of Medicine and Health Sciences, Al-Razi University, Sana'a, Yemen

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PERSONAL DATA:

Last Name: Shumaila

First Name: Abdullah

Nationality: Yemeni

Place & date of birth: Hajja - Yemen Jan. 1st, 1977

Marital Status: Married (5 children)

Languages: Arabic and English

EDUCATION:

1- Ph.D. of Organic Chemistry; Pune University; India; 2011.

The thesis entitled "Diastereoselective Pictet - Spengler Reactions towards the Synthesis of Tetrahydrospiro - pyrido [3,4 - indoles , Tetrahydro - pyrrolo [3,2 - dpyridines and Octahydrodipyrido [4,3-6,3,4 - dpyrroles "

2- Master of Science in Organic Chemistry; Pune University; India; 2005.

3- Bachelor degree in Chemistry ; Sana'a University 2001 (The first installment) .

ACADEMIC STATUS AND EXPERIENCE:

1. Assistant Professor of Organic Chemistry at Al-Razi University, Yemen: since 2014 till now.
2. Head of Industrial chemistry Department ; Faculty of Applied Science; Hajjah University ; Yemen ; since 20/09/2013 till 27/11/2013.
3. Head of chemistry Department ; Faculty of Education and Applied Science; Hajja University ; Yemen ; since 19/09/2012 till 20/09/2013.
4. Assistant Professor at the Hajjah University, Yemen since 03/12/2011 till now.

AREA AND RESEARCH INTEREST:

- Diastereoselective synthesis of the biological active compounds Heterocyclic systems.
- Synthesis of Indole alkaloids, carbolines alkaloids, azaindoles and diazacarbazoles.
- One - potcyclo-condensation reactions.
- Development of new synthetic methodologies using inorganic heterogeneous catalysis.
- Environmentally friendly solvent - free systems.
- Identification of organic compounds.

TEACHING EXPERIENCE:

General Chemistry (1) General Chemistry (Microbiology , Geology , Biology and Physics) Organic Chemistry 1, 2, 3, 4 and 7 Organic Chemistry (Microbiology; Biology) General Chemistry (Pharmacy , Laboratories and Nursing) Spectroscopy of Organic Compounds Organic Chemistry (Pharmacy and Laboratories) Phar - Organic Chemistry I and II Industrial chemistry Analytical Chemistry I (Pharmacy and Laboratories)

PUBLICATIONS :

- Abdullah M. A. Shumail and Radhika S. Kusurkar , Silica Gel , an Effective Catalyst for the Reaction of Electron - Deficient Nitro - Olefins with Nitrogen Heterocycles , Synthetic Communications , 2010 , 40 , 2935-2940.

- Abdullah M. A. Shumaila , Vedavati G. Puranik and Radhika S. Kusrkar , Diastereoselective synthesis of 1,1,4 - trisubstituted - 2,3,4,9 tetrahydrospiro - β - carbolines via glacial acetic acid catalyzed Pictet - Spengler reaction , ARKIVOC , 2011 , (ii) , 41-56.

- Abdullah M. A. Shumaila , Vedavati G. Puranik and Radhika S. Kusrkar , Synthesis of tetrahydro - 5 - azaindoles and 5 - azaindoles using PicteteSpengler reaction - appreciable difference in products using different acid catalysts , Tetrahedron , 2011 , 67 , 936-942 .

- Abdullah M. A. Shumaila , Vedavati G. Puranik and Radhika S. Kusrkar , Diastereoselective synthesis of tetrasubstituted - octahydro - 3,6 diazacarbazoles and tetrasubstituted - 3,6 - diazacarbazoles via double Pictet - Spengler reaction , Tetrahedron Letters , 2011 , 52 , 2661-2663 .

Dattatray G. Hingane , Abdullah M. A. Shumail and Radhika S. Kusrkar , Silica gel supported bismuth nitrate pentahydrate : A highly active catalyst under solvent free conditions toward the synthesis of dihydropyrimidin - 2 (1) -ones and their sulphur analogues , Indian Journal of Chemistry , 2013 , 52B , 1161-1165.

- Abdullah M. A. Shumaila (Shumaila , A. M. A.) K₂CO₃ / Al₂O₃ : An Efficient and Recyclable Catalyst under Solvent Free conditions for the Reaction of Electron - Deficient Nitro - Olefins with 1,3 - dicarbonyl compounds . Cogent Chemistry 2018 , 4 , 1455346.

- Abdullah M. A. Shumaila : " Mini - Review on the Synthesis of Biginelli Analogs Using Greener Heterogeneous Catalysis : Recent Strategies with the Support or Direct Catalyzing of inorganic Catalysts". (published online : 08 Dec 2018) in ' Synthetic Communications ' journal.

- Abdullah M. A. Shumaila : On the Role of Inorganic Oxides in Supporting reagents : A Green Reusable Heterogeneous Catalyst [InCl₃ / (Al₂O₃ / SiO₂)] Promoted Solvent - Free Biginelli Reaction . (Under Review) .

WORK IN PROGRESS:

- " BIOLOGICAL SEWAGE TREATMENT PONDS IN TEHAMA REGION / YEMEN / STATUS , PROBLEMS AND OPTIMIZATION MEASURES . " Article manuscript in progress , to be submitted for publication in June 2019.

- A printed book in progress based on my research entitled " K_2CO_3 / Al_2O_3 : An efficient and recyclable catalyst under solvent free conditions for the reaction of electron - deficient nitro - olefins with 1,3 dicarbonyl compounds " .
- "The Chemistry of Aromatic Compounds : Structures and Reactions ." Book in progress.

CONFERENCE ATTENDED:

- Poster presentation in International conference on Emerging Trends in Chemistry at University of Pune , Pune on 5th - 7th January 2010.
- Poster presentation in Recent Trends in Chemistry held at University of Pune , Pune on 13th March , 2009.
- Poster presentation in International conference on the Interface of Chemistry Biology in Biomedical research held on 22nd - 24th February 2008 in Birla institute of Technology and Science , Pilani , Rajasthan , India .
- Poster presentation in Advance in Chemistry held at University of Pune , Pune on 20 - 21st March , 2008.

WORKSHOPS:

- Workshop of preparing the curricula of the Department of Computer Science - Faculty of Education and Applied Sciences - Hajja University , May 2013 .
- Workshop of curriculum development of the Faculty of Education and Applied Science , Hajja University 2012 .

Other Activities:

- Studies of environmental pollutants on water and biological components .
- Lectures on the dangers of chemical toxins .
- Lectures on the dangers of chemical pollutants .
- Lectures on occupational safety .
- Supervision of research projects for graduates .