Fatemeh Darvish

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Faculty of Science, Department of Chemistry
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Education

Postdoctoral position (2001)
Universtiy of Edinburgh, Edinburgh UK

Ph.D. Organic Chemistry (1998)
Ecole Nationale Supérieure de Chimie de Montpellier (ENSCM), Montpellier France
Dissertation: "Synthesis of Unsymmetrical Tetrathiafulvalenes (TTF) by the Phosphonate way: Mechanism and Application"
Supervisor: Professor H-J. Cristau, Professor J-M. Fabre

Master of Organic Chemistry (1995)
ENSCM, Montpellier France

Diplôme d'Etude Approfondie (1994)
ENSCM, Montpellier, France
"Hétérochimie, Polymères et Catalyse"

B.Sc. Applied Chemistry (1991)
University of Tehran IRAN

Experience

Associate Professor in Organic chemistry (2015)
Assistant Professor in Organic Chemistry (1999)
K.N. Toosi University of Technology

Researcher in Synthesis of Organic Conductor Materials (1993-1998)
Extensive experience in organic synthesis and related analytical methods:
UV, IR, GC/MS, NMR [^{1}H, ^{13C}, ^{31}P (1D, 2D)]

Researcher: International project UNDP/FAO, No.IRA/89/030 (1992-1993)
Enhancing Research, Development, and capabilities in Aromatic Plants
Tehran IRAN

Project Manager, Research and development, University of Tehran (1991-1992)

Research Interests

Synthetic methodology in organic chemistry
Multicomponent reaction in the synthesis of heterocyclic compounds

Recent Publications

1. R. Navari, S. Balalaie, S. Mehrparvar, F.Darvish, F. Rominger, F. Hamdan, S. Mirzaie, Efficient synthesis of pyrazolopyridines containing a chromane backbone through domino reaction**, Beilstein J. Org. Chem**. 15, 874 (2019).
2. S. Balalaie H. Bakhshaei Ghoroghaghaeia N. S. Alavijeha F. Darvish F. Rominger, H-R.Bijanzadehd "Synthesis of Fully Functionalized 3-Bromoazaspiro[4.5]trienones through Ugi Four-Component Reaction (Ugi-4CR) followed by*ipso*-Bromocyclization" **Syn Open**, 2, 222 (2018).
3. F. Darvish, A. Abdollahzadeh, D. Saravani, "Imidazole as an efficient catalyst for the synthesis of 2-amino-3-cyano-4H-Chromene", **Res. Chem. Intermed**., 43, 1487 (2017).

4. F. Darvish, S. Khazraee " $FeCl_3$ Catalyzed One Pot Synthesis of 1-Substituted 1H-1,2,3,4-Tetrazoles under Solvent-Free Conditions"**Int. J. Org. Chem**. 5, 75 (2015).

5. F. Darvish, S. Khazraee " Molecular iodine: an efficient and environment-friendly catalyst for the synthesis of calix[4]resorcinarenes" **Comptes Rendus Chimie**, 17, 890 (2014).

6. S. Balalaie, M- Z. Kassaee, H- R Bijanzadeh, F. Darvish, M. Bararjanian, F. Jalaiyana "An efficient stereoselective synthesis of functionalized vinyl ethers **J. Iran. Chem. Soc.**11, 1483 (2014).

7. Sh. Maghari, S. Ramezanpour, S. Balalaie, F. Darvish, F. Rominger, H-R Bijanzadeh *"Synthesis of Functionalized Pseudopeptides through on Five-Component Sequential Ugi/Nucleophilic Reaction of N-Substituted 2-Alkynamides with Hydrazides*" **J. Org. Chem.**, 78, 6450 (2013).

8. Sh. Maghari, S. Ramezanpour, F. Darvish, S. Balalaie, F. Rominger, H-R. Bijanzadeh *"A new and efficient synthesis of 1,3,4-oxadiazole derivatives using TBTU*" **Tetrahedron**, 69, 2075 (2013).

PERSONAL
French – very fluent
English – fluent
(Persian – native language)
Age 58, married and 2 children

فاطمه درویش
دانشیار دانشکده علوم دانشگاه صنعتی خواجه نصیر

تحصیلات

- لیسانس شیمی کاربردی دانشگاه تهران
- فوق لیسانس و دکترا دانشگاه مونپلیه 2 فرانسه (1377-1372)
  بورسیه سفارت فرانسه
- پسا دکترا دانشگاه ادینبورگ برینتانیا (1380-1379)
  بورسیه بانک توسعه اسلامی