



Mohammad Ali Daneshmehr

Professor of Medicinal Chemistry

Verified email at iums.ac.ir

[Medicinal chemistry](#)

Address: 1st floor, School of Pharmacy-Iran University of Medical Sciences, Besarati dead end, North Shahrin Street, West Hemmat Highway, Tehran, Iran

Email: Daneshmehr.ma@iums.ac.ir

EDUCATION

Year

Doctorate in Pharmacy
Tehran University of medical sciences,
Tehran, Iran

1990

Ph.D. in Medicinal Chemistry
University of Manchester,
Manchester, England

2001

SKILLS

- Knowledge of synthesis of organic and medicinal molecules
 - Expert in Drug Design, using molecular modeling and QSAR methods
 - Expert in analyzing and interpreting drug molecules structures, using NMR, IR, UV spectrophotometers, and chromatography methods such as GC & HPLC
 - Skilled in using all related instrumental analysis such as Polarimetry, Refractometer, Atomic absorption and Mass spectrometers including accurate mass, FAB, EI, CI.
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RESEARCH INTRESTS

- Design and synthesis of new novel structures in DNA ligand binding compound
To be potentially used in cancer intelligent chemotherapy
 - Synthesis of drugs starting material needed for Pharmaceutical industry
In laboratory scale and following semi-industrial scale
 - Collaboration with other related groups in investigation of immunity based drugs and pharmaceutical agents derived from natural sources specially medicinal plants
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The papers published in the last 7 years:

Providing evidence for use of Echinacea supplements in Hajj pilgrims for management of respiratory tract infections

MA Daneshmehr, A Tafazoli

Complementary Therapies in Clinical Practice 23, 40-45

Formulation and Evaluation of Hydrocortisone Sodium Succinate Mucoadhesive Buccal Tablet.

MA Daneshmehr, H Adibpour, Z Ataie

International Journal of Pharmaceutical Investigation 10 (3)

Synthesis, characterization, and investigation of magnetic, photocatalytic and antibacterial properties of $TbVO_4$ nanoparticles

F Ahmadi, M Rahimi-Nasrabadi, MA Daneshmehr, M Eghbali-Arani

Journal of Materials Science: Materials in Electronics 28, 14362-14368

The role of N-acetylcysteine in platelet aggregation and reperfusion injury in recent years

M Nikbakht, F Ahmadi, G Vaseghi, AH Talasaz, A Eshraghi, J Naderi, ...

Current Clinical Pharmacology 12 (2), 83-91

A new fluorescence method to analyze water traces in gasoline based on the breakup of diphenylquinoxaline-6-amine-Zn-bis-(2, 4, 6-trichlorophenyl) oxalate

M Rahimi-Nasrabadi, E Shakiba, M Jambarsang, F Ahmadi, ...

Environmental Chemistry Letters 13, 217-222

Deciphering the binding mode of dinitramine herbicide to ct-DNA, a thermodynamic discussion

MA Daneshmehr, F Ahmadi, B Ahmadi, E Shakiba

Food and Agricultural Immunology 27 (1), 23-39

An insight to the therapeutic potential of algae-derived sulfated polysaccharides and polyunsaturated fatty acids: Focusing on the COVID-19

K Ziyaei, Z Ataie, M Mokhtari, K Adrah, MA Daneshmehr

International Journal of Biological Macromolecules 209, 244-257

Prevention of pneumonia epidemics in multi-national refugee camps

MA Daneshmehr, A Tafazoli

Journal of Pulmonary & Respiratory Medicine 7 (2)

E-Mail address: Daneshmehr.ma@iums.ac.ir
