

# Dr Afsaneh Yegdaneh

Associate Professor

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📅 22/05/1984 🇮🇷 Iran 🤰 Married

## Professional Experience

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2019 – present  
Isfahan, Iran **Head of Pharmacognosy department, Isafahan University of Medical Sciences**

2020 – present  
Isfahan, Iran **Associate Professor, Isafahan University of Medical Sciences**

2016 – 2020 **Assistant Professor, Isafahan University of Medical Sciences**

09/2020  
Isfahan, Iran **executive Secretary of the second Pharmacognosy olympiad, Isafahan University of Medical Sciences**

2022 – now  
Isfahan, Iran **Head of research student committee, Isafahan University of Medical Sciences**

## Skills

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### Drug discovery ● ● ● ● ●

Isolation of secondary active metabolites from plants, sponges, seaweeds, soft corals, sea cucumbers and...

In vitro screening of bio-active compounds  
Pharmacologic activity of natural metabolites  
clinical study of plants and natural compounds  
elucidation of natural products by different techniques such as NMR, Mass

### Marine natural products ● ● ● ● ●

seaweed natural products  
soft corals natural products  
sponges natural products  
sea cucumbers natural products

### Isolation and elucidation of natural metabolites ● ● ● ● ●

different chromatography techniques such as TLC, MPLC, HPLC  
elucidation of compounds by HNMR, 2DNMR (HMBC, HSQC, NOESY, COSY,...)  
GC-Mass analysis of essential oils and LC- Mass

## Languages

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• English

## Education

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2010 – 2014 **PhD of Pharmacognosy**, Faculty of Pharmacy, Isfahan University of Medical Sciences

2003 – 2009 **Pharm D/ Pharmacy**, Isfahan University of Medical Science, Isfahan, Iran.

2011 – 2012 **Fellowship**, Prince of Songkla University Thailand

## Publications

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2022 **Salvia officinalis leaf extracts protect against acute colitis in rats**, *Research in Pharmaceutical Sciences* 17 (4), 350-359

2022 **Mitochondrial Pro-Apoptotic Properties of Sinularia compressa from Persian Gulf against Breast Cancer Cells and Its Chemical Composition**, *Nutrition and Cancer* 74 (6), 2276-2290

2022 **Bioassay standardization of drug dosage form prepared from hydroalcoholic extract of Dracocephalum kotschyi**, *Journal of Herbmед Pharmacology* 11 (3), 435-443

2022 **The Effect of Dracocephalum Kotschyi Hydroalcoholic Extract on Biochemical and Hematological Parameters in Rat**, *Journal of Isfahan Medical School* 40 (669), 278-287

2022 **51P Mitochondrial pro-apoptotic properties of isolated compounds from two soft corals of Persian Gulf**, *Annals of Oncology* 33, S22

- 2022 **Extraction and fractionation of the seaweed *Sargassum plagyophyllum* and evaluation of fractions on depression induced by interferon alpha in mice,** *Advanced Biomedical Research* 11 (1), 59
- 2022 **Antihyperlipidemic and antioxidant effects of ethanol fraction of *Sargassum angustifolium* in dexamethasone-induced dyslipidemic rats,** *Research Journal of Pharmacognosy* 9 (1), 39-49
- 2021 **Research Journal of Pharmacognosy 9 (1), 39-49,** *Research in Pharmaceutical Sciences* 16 (5), 474
- 2021 **Combination of traditional herbal medicine for the treatment of cancer-induced Anorexia/Cachexia: A pilot, randomized, double-blinded and placebo-controlled clinical trial,** *Journal of Herbal Medicine* 29, 100499
- 2021 **Addition of Valerian and Lemon Balm Extract to Quetiapine Reduces Agitation in Critically Ill Patients with Delirium: A Pilot Randomized Clinical Trial,** *Indian Journal of Critical Care Medicine*
- 2021 **Holothurin B Isolated from *Holothuria atra* Inhibits Angiogenesis More Potent than Curcumin in Vitro,** *Research Journal of Pharmacognosy* 8 (3), 33-40
- 2021 **Novel 16,17-epoxy-23-methylergostane derivative from *Sinularia variabilis*, a soft coral from the Persian Gulf, with apoptotic activities against breast cancer cell lines,** *Natural Product Research*, 1-10
- 2021 **Sulfoquinovosyl oleoyl palmitoyl glycerol (SQDG) and hexane extract of *Sargassum plagyophyllum* prevent depression induced by dexamethasone or stress in mice,** *Journal of Herbmed Pharmacology* 10 (2), 262-268
- 2021 **Isolation and characterization of methylated flavones from *Artemisia kermanensis*,** *Advanced Biomedical Research* 10
- 2021 **Effect of vaginal gel containing propolis extract and oral metronidazole pill on dyspareunia in woman with trichomoniasis at Isfahan in 2019,** *The Iranian Journal of Obstetrics, Gynecology and Infertility* 23 (12), 76-85
- 2021 **Effect of *Astragalus fasciculifolius* (Anzaroot) gel on episiotomy pain in primiparous women: A Triple Blind Randomized Controlled Trial,** *IRANIAN JOURNAL OF OBSTETRICS, GYNECOLOGY AND INFERTILITY* 23 (9), 52-60
- 2021 **The effect of *Sargassum angustifolium* ethanol extract on cadmium chloride-induced hypertension in rat,** *Research Journal of Pharmacognosy* 8 (1), 81-89
- 2020 **Bioassay-guided fractionation and antimicrobial activities of *Padina australis* extracts,** *Jundishapur Journal of Natural Pharmaceutical Products* 15 (4)
- 2020 **Comparative evaluation of *Gracilaria* algae 3% cream vs Clobetasol 0.05% cream in treatment of plaque type psoriasis: A randomized, split-body, triple-blinded clinical trial,** *Dermatologic Therapy* 33 (6), e14317
- 2020 **Bioassay-guided isolation of glycolipids from the seaweed *Gracilaria corticata*,** *Research in pharmaceutical sciences* 15 (5), 473
- 2020 **The role of *Trigonella*, *Cichorium*, and *Foeniculum* herbal combination in the treatment of cancer-induced Anorexia/Cachexia: a quasi-experimental study,** *International Journal of Cancer Management* 13 (8)

- 2020 **Evaluation of Cytotoxic and Antioxidant Activity and Total Phenolic Content of Some Soft Corals from the Persian Gulf,**  
*Iranian Journal of Pharmaceutical Sciences 16 (3), 1-10*
- 2020 **The effect of Sargassum glaucescens from the Persian gulf on neuropathy pain induced by paclitaxel in mice,** *Advanced Biomedical Research 9*
- 2019 **The effect of different partitions of seaweed Sargassum plagyophylum on depression behavior in mice model of despair,**  
*Journal of Complementary and Integrative Medicine 16 (4)*
- 2019 **Comparative evaluation of efficacy of" Green Tea" and" Green Tea with Xylitol" mouthwashes on the salivary Streptococcus mutans and lactobacillus colony count in children: a ...,** *J Contemp Dent Pract 20 (10), 1190-1194*
- 2019 **Phytochemical analysis of Holothuria leucospilota, a sea cucumber from Persian Gulf,** *Research in Pharmaceutical Sciences 14 (5), 432*
- 2019 **Evaluation of Antileishmanial Effect of Hydroalcoholic Extract of Ganoderma Leucidum on Leishmania Major in Vitro,**  
*Journal of Isfahan Medical School 36 (511), 1628-1634*
- 2019 **Molecular Networking-Based Analysis of Cytotoxic Saponins from Sea Cucumber Holothuria atra,** *Marine drugs 17 (2), 86*
- 2019 **Evaluation of the Anti-tuberculosis and Cytotoxic Potential of the Seaweed Padina australis,** *Iranian Journal of Pharmaceutical Sciences 15 (1), 29-38*
- 2019 **Anti-tuberculosis and cytotoxic evaluation of the seaweed Sargassum boveanum,** *Research in pharmaceutical sciences 13 (1), 30*
- 2018 **Cytotoxic screening of marine organisms from Persian Gulf,**  
*Advanced Biomedical Research 7*
- 2018 **Cytotoxicity of Sargassum angustifolium partitions against breast and cervical cancer cell lines,** *Advanced Biomedical Research 7*
- 2017 **Identification and quantification of phthalate pollution in Holothuria atra: a sea cucumber from the Persian Gulf (Iran),**  
*Jundishapur Journal of Natural Pharmaceutical Products 12 (4)*
- 2016 **Chemical constituents and biological activities of two Iranian Cystoseira species,** *Research in Pharmaceutical Sciences 11 (4), 311*
- 2016 **Phytochemical and biological evaluation of some Sargassum species from Persian Gulf,** *Research in pharmaceutical sciences 11 (3), 243*
- 2016 **Cytotoxic, antioxidant and phytochemical analysis of Gracilaria species from Persian Gulf,** *Advanced Biomedical Research 5*
- 2014 **Seasonal variations of Laurus nobilis L. leaves volatile oil components in Isfahan, Iran,** *Research Journal of Pharmacognosy 1 (3), 1-6*
- 2013 **3-Oxoabolene and 1-Oxocurcuphenol, Aromatic Bisabolanes from the Sponge Myrmekioderma sp,** *Natural Product Communications 8 (10),*
- 2013 **Screening for antimalarial and acetylcholinesterase inhibitory activities of some Iranian seaweeds,** *Research in pharmaceutical sciences 8 (2)*

- 2012 **"Clinical pharmacognosy"-A new interesting era of pharmacy in the third millennium, *DARU Journal of Pharmaceutical Sciences* 20 (1), 1-3**
- 2012 **Acetylcholinesterase inhibitory activity of some seaweeds from Persian Gulf, Iran, *Research in Pharmaceutical Sciences* 7 (5), 775**
- 2012 **Novel aromatic sesquiterpene from the sponge *Halichondria*, *Research in Pharmaceutical Sciences* 7 (5), 758**
- 2010 **Recent advances in extraction methods of medicinal plant components, *Journal of Medicinal Herbs*, 1 (1), 50-54**

## Certificates

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### **Isolation of holostane saponins from *Holothuria leucospilota***

oral presentation, Iranian Pharmaceutical Sciences Congress, 2016, Iran

### **Marine pharmaceuticals**

The 15th Iranian Pharmaceutical Sciences Congress, 2017, Iran

### **Preliminary phytochemical studies of 2 species of *Cystoseira***

13th marine natural products congress, 2010, Thailand

### **Isolation and quantification of phthalate in *Holothurian atra***

21 st Iranian Pharmacy Students seminar. 2017, Iran

### **Isolation and elucidation of monogalactosyldiacylglycerols from *Gracilaria***

20 th Iranian Pharmacy Students seminar, 2016, Iran

### **51P Mitochondrial pro-apoptotic properties of isolated compounds from two soft corals of Persian Gulf**

ESMO Targeted Anticancer Therapies Congress 2022, France

### **Chemical constituents and biological activities of two Iranian *Cystoseira***

21 st Iranian Pharmacy Students seminar. 2017, Iran

### **Isolation and quantification of phthalate in *Holothurian atra***

selected poster in 20 th Iranian Pharmacy Students seminar, 2016, Iran

## Awards

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- 2012 **6 month-fellowship, *Prince of Songkhla University, Thailand***
- 2011 **1st Best PhD Student in the Board Exam of Pharmacognosy PhD course.**
- 2019 **Selected idea for anti cancer plants, *Isfahan University of Medical Sciences***

## Courses

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- 08/2011 – 02/2012 **chemical investigation of marine invertebrates and macroalgae, *Prince of Songkla University***  
Thailand
- 08/2011 – 02/2012 **chemical structure and determination of natural products, *Prince of Songkla University***  
Thailand