

OBJECTIVE

Adjunct Faculty with 10 years' experience teaching chemistry at college and university, looking for a teaching position where I can apply my knowledge and expertise in teaching chemistry.

SUMMARY

- Experienced in organic synthetic methods.
- Ability to solve problems in organic with experimental design.
- Able to come up with intellectual and innovative solutions for chemical problems.
- Highly motivated and creative. Strongly driven to solve challenging problems.

EDUCATION

2008 -2011 • M.Sc. in Organic Chemistry University of Isfahan, Iran

2003-2008 • B.Sc. in Chemistry, IA university of Isfahan, Iran

PROFESSIONAL EXPERIENCES

2022 – Present Adjunct Faculty, Prairieview A&M University, Tx

2019 – Present Adjunct Faculty and Faculty Science Tutor III, Houston Community College, Tx

2019 - Present Adjunct Faculty, LoneStar College, Cyfair, Tx

2011 – 2016 Adjunct Faculty, IA university of Tehran, Iran

2013-2016 QC Expert, Ramopharmin pharmaceutical company, Tehran, Iran

2011-2013 Electrochemical society of Iran's expert, Tarbiat Modares University, Tehran, Iran

PUBLICATIONS

- 1- "Direct and Efficient Conversion of Tertiary Thioamides to S-2-Oxo Thioesters under Solvent-free Conditions" H. Zali-Boeini, **A. Khajeh.**, *Bulletin of the Korean Chemical Society*, 2011
- 2- "Sulfonated porous carbon catalyzed direct and efficient conversion of tertiary, allylic, and benzylic alcohols to thioesters" H. Zali-Boeini, **A. Khajeh.**, *Journal of Sulfur Chemistry*, 2012

SPECIALTIES

- Teach Organic Chemistry, Introductory of Chemistry, General Chemistry, F2F Class and online
- Experience in multi-step organic synthesis, solvent free synthesis, new method development & optimization.
- Comprehensive experience with analytical methods and techniques including high performance liquid chromatography (HPLC), gas chromatography (GC), chiral GC & HPLC, nuclear magnetic resonance (^1H , ^{13}C , ^{19}F , ^{31}P , 2-D, solid state NMR), Fourier transform-infrared (FT-IR) and attenuated total reflectance (ATR-IR), BET surface area measurements, X-ray diffraction (XRD), inductively coupled plasma (ICP), thermogravimetric analysis (TGA), GPC, UV-Vis.

CERTIFICATION

- Liquid syllabus design, Assessment strategies and online teaching essentials – QLC, 2023
- Adjunct certification program (ACP) level 2 - LoneStar college, 2021
- Full online teaching certificate - LoneStar college, 2020
- HCC Online learning certificate – HCC, 2020
- HPLC/GC, UV from Sharif University of Technology (Iran), 2013

COMPUTER SKILLS

- Microsoft Office (Word, Excel, PowerPoint), Chemdraw, D2L, Canvas, Soft Chalk Cloud