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PERSONAL INFORMATION

- Date of Birth: 23.03.1980
- Place of Birth: TURKEY
- Gender: Male
- Marital status: Married

EDUCATION

- 2004-2012 **Ph.D. on B.Sc.** MIDDLE EAST TECHNICAL UNIVERSITY Department of Chemistry, Ankara, Turkey (Major Subject: *Organic Chemistry*)
- 2010-2011, *Visiting Scientist, Department of Chemistry, University of Massachusetts(UMASS) Amherst, MA, USA*
- 1998-2003 **B.Sc.** ANKARA UNIVERSITY Department of Chemistry, Ankara, Turkey (Option Programme: *Organic Chemistry*)

RESEARCH EXPERIENCE

- (a) Acyl Anion Chemistry,
(b) New homogeneous and heterogeneous chiral catalysts,
(c) Organic Solar cells, Direct photopatterning Techniques, Nanocomposites, Polymer-Quantum dot assemblies, Design and Synthesis of Photo-Active Acceptors for Efficient Energy and Charge Transfer Systems.

LANGUAGES

- Turkish (*native*)
- English (*advanced*)

CONFERENCE AND MEETINGS

- 233rd ACS National Meeting, Chicago, IL, United States, March 25-29, ORGN-596, Acylphosphonates as donor and acceptor in organocatalytic asymmetric reactions. Demir, Ayhan S.; Reis, Omer; Esiringu, Ilker; **Eymur, Serkan**; Reis, Barbaros; Baris, Sehiban; Yalcinkaya, Hatice.
- XIX. National Chemistry Congress, Organocatalytic Enantioselective Synthesis of α -Hydroxy Phosphonates, 2007; **Serkan Eymur**, Ayhan S. Demir
- XX. National Chemistry Congress, Addition of Trifluoromethyltrimethylsilane to Acyl Phosphonates, 2008; **Serkan Eymur**, Ayhan S. Demir
- XXI. National Chemistry Congress, 2009; Proline–Thiourea Self-Assemblies in Aldol Reactions, **Serkan Eymur**- *Oral presentation*
- 237th National Meeting of American Chemical Society, Salt Lake City, Utah, USA; March 22-26, 2009; ORGN 457, Self-assembled proline-thiourea host-guest complex catalyzed direct enantioselective aldol reactions. A. S. Demir, Ö. Reis, **S. Eymur**, B. Reis

PUBLICATIONS

1. Varol, S.F., Sayin, S., **Eymur, S.**, Merdan, Z., Ünal, D. “Optical performance of efficient blue/near UV nitropyridine-conjugated anthracene (NAMA) based light emitting diode” *Organic Electronics*, **2016**, 31, 25-30.
2. Aktas, M., Uyanik, A., **Eymur, S.**, Yilmaz, M. “L-proline derivatives based on a calix[4]arene scaffold as chiral organocatalysts for the direct asymmetric aldol reaction in water” *Supramolecular Chemistry*, **2015**, DOI: 10.1080/10610278.2015.1073288
3. Xi Yu, Nikhil S. Malvankar, Ryan Landis, **Serkan Eymur**, Oscar R Miranda, and Vincent Rotello. “Impedance spectroscopy of ionic ligand modulated gold nanoparticles assembly and their application in volatile gas sensing.” *Small* **2015**, 11, 3814-3821.
4. Akceylan, E., Uyanik, A., **Eymur, S.**, Sahin, O., Yilmaz, M. “Calixarene-proline functionalized iron oxide magnetite nanoparticles (Calix-Pro-MN): An efficient recyclable organocatalyst for asymmetric aldol reaction in water “*Applied Catalysis A: General* **2015**, 499, 205.
5. Uyanik, A., Bayrakci, M., **Eymur, S.***, Yilmaz, M. Upper rim functionalized calix[4]arene-based L-proline as organocatalyst for direct asymmetric aldol reactions in water and organic media, *Tetrahedron*, **2014**, 70, 9307.
6. **Eymur, S.**, Akceylan, E., Sahin, O., Uyanik, A., Yilmaz, M. Direct enantioselective aldol reactions catalyzed by calix[4]arene-based L-proline derivatives in the water, *Tetrahedron*, **2014**, 70, 4471.
7. Demircan, E., **Eymur, S.***, Demir, A.S. The proline-calixarene thiourea host-guest complex catalyzed enantioselective aldol reactions: From nonpolar solvents to the presence of water, *Tetrahedron: Asymmetry* **2014**, 25, 443-448.
8. Sayin, S., **Eymur, S.**, Yilmaz, M. Anion Extraction Properties of a New “Proton-Switchable” Terpyridin-Conjugated Calix[4]arene, *Ind. Eng. Chem. Res.* **2014**, 53, 2396-2402.
9. **Eymur, S.***, Göllü, M., Demir, A.S. Self-condensation reactions of acyl phosphonates: synthesis of tertiary O-protected-alpha-hydroxyphosphonates, *Turkish Journal of Chemistry*, **2014**, 38, 164-171.
10. **Eymur, S.**, Göllü, M., Tanyeli, C. Umpolung strategy: advances in catalytic C-C bond formations, *Turkish Journal of Chemistry*, **2013**, 37, 586-609.
11. Nandwana, V., Fitzpatrick, B., Liu Q., Solntsev, K. M., Yu, X., Tonga, G.Y., **Eymur, S.**, Tonga, M., Cooke, G., Rotello, V.M. Fluorescence resonance energy transfer in recognition mediated polymer-quantum dot assemblies, *Polymer Chemistry*, **2012**, 3, 3072-3076.
12. Xi, Y.*, **Eymur, S.***, Singh, V., Yang, B., Tonga, M., Bheemaraju, A., Cooke, G., Venkataraman, D., Stanley, R.J., Rotello V.M. Flavin as Photo-Active Acceptor for Efficient Energy and Charge Transfer in a Model Donor-Acceptor System, *Physical Chemistry Chemical Physics*, **2012**, 14, 6749-6754.

13. Nandwana, V., Subramani, C., **Eymur, S.**, Yeh, Y-C., Tonga, M., Jeong, Y., Yang, B., Barnes, M.D., Cooke, G., Rotello, V.M. Recognition-mediated assembly of quantum dot polymer conjugates with controlled morphology, *International Journal of Molecular Sciences*, **2011**, *12*, 6357-6366.
14. Subramani, C., Yu, X., Agasti, S., Duncan, B., **Eymur, S.**, Tonga, M., Rotello, V.M. Direct photopatterning of light-activated gold nanoparticles, *Journal of Materials Chemistry*, **2011**, *21*(37), 14156-14158.
15. Nonlinear effects in proline–thiourea host–guest complex catalyzed aldol reactions in nonpolar solvents, Ayhan S. Demir, **Serkan Eymur** *Tetrahedron: Asymmetry*, **2009**, *21*(4), 405-409.
16. Self-assembly of organocatalysts for the enantioselective Michael addition of aldehydes to nitroalkenes, Ayhan S. Demir, **Serkan Eymur**, *Tetrahedron: Asymmetry*, **2009**, *21*(1), 112-115.
17. Direct enantioselective aldol reactions catalyzed by a proline-thiourea host-guest complex, Ömer Reis, **Serkan Eymur**, Barbaros Reis, Ayhan S. Demir, *Chemical Communications*, **2009**, *9*, 1088–1090.
18. Addition of Trifluoromethyltrimethylsilane to Acyl Phosphonates: Synthesis of TMSProtected 1-Alkyl-1-trifluoromethyl-1-hydroxyphosphonates and 1-aryldifluoroethenyl Phosphates., Ayhan S. Demir*, **Serkan Eymur**, *Journal of Organic Chemistry*, **2007**, *72*, 8527-8530.
19. Cyanide Ion Promoted Addition of Acyl Phosphonates to Ethyl Cyanoformate: Synthesis of Tertiary Carbinols via Tandem Carbon-Carbon Bond Formations, Ayhan S. Demir, Barbaros Reis, Ömer Reis, **Serkan Eymur**, Servet Tural, Mehmet Göllü, Gülüzar Sağlam, *Journal of Organic Chemistry*, **2007**, *72*, 7439–7442.
20. Uncatalyzed Addition of TMS-CN to Acylphosphonates, Ayhan S. Demir, Ömer Reis, Metin Kayalar, **Serkan Eymur**, Barbaros Reis, *Synlett*, **2006**, *19*, 3329-3331.
21. Generation of Acyl Anion Equivalents from Acylphosphonates via Phosphonate–Phosphate Rearrangement: A Highly Practical Method for Cross-Benzoin Reaction, Ayhan S. Demir, Ömer Reis, A. Çigdem İgdir, İlker Esiringü, and **Serkan Eymur**. *Journal of Organic Chemistry*, **2005**, *70* (25), 10584–105872.