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EĞİTİM

Doktora

Organik Kimya

Florida Devlet Üniversitesi

Mayıs, 2015

Tallahassee, FL, ABD

Master

Fiziko Kimya

Gazi Osman Paşa Üniversitesi

Temmuz, 2007

Tokat, TÜRKİYE

Lisans

Kimya

Atatürk Üniversitesi

Haziran, 2004

Erzurum, TÜRKİYE

DENEYİM

- ❖ Araştırma Görevlisi Doktor, Dumlupınar Üniversitesi 2015-
- ❖ Öğretim Görevlisi, Florida Devlet Üniversitesi 2009-2015
- ❖ Stajyer, DİMES Meyve Suyu İşletmesi Haziran-Eylül 2003

TEZLER

- ❖ **DOKTORA TEZİ:** Protonation States for Selective Double Strand DNA Photocleavage in Hypoxic Tumors: pH-Gated Transitions of Lysine Dipeptides. Danışman: Igor V. Alabugin.
- ❖ **MASTER TEZİ:** Preparation of Polypropylene Paraffin Mixture for Thermal Energy Storage and Determination of Thermal Properties. Danışman: Cemil Alkan.

YAYINLAR

- ❖ **Kaya, K.;** Roy, S.; Nogues, J.; Etcheverry, J.; Sokolikj, Z.; Zorio, D. A. R.; Alabugin, I. V. Optimizing Protonation States for Selective Double Strand DNA Photocleavage in Hypoxic Tumors: pH-Gated Transitions of Lysine Dipeptides. *J. Med. Chem.*, **2016**, *59*, 8634–8647.
- ❖ **Kaya, K.;** Johnson, M.; Alabugin, I. V. Opening Ene-diyne Scissors Wider: pH-Dependent DNA Photocleavage by meta-Diyne Lysine Conjugates. *Photochemistry and Photobiology*, **2015**, *91*, 748-758.
- ❖ Breiner, B.; **Kaya, K.;** Roy, S.; Yang, W.-Y.; Alabugin, I. V. Hybrids of Amino Acids and Acetylenic DNA-Photocleavers: Optimizing Efficiency and Selectivity for Cancer Phototherapy. *Org. Biomol. Chem.* **2012**, *10*, 3974-3987.
- ❖ Alkan, C.; **Kaya, K.;** Sari, A. Preparation, Thermal Properties and Thermal Reliability of Form-Stable Paraffin/Polypropylene Composite for Thermal Energy Storage, *Journal of Polymers and the Environment*, *17*, 254, **2009**.
- ❖ Alkan, C.; **Kaya, K.;** Sari, A. Preparation and Thermal Properties of Ethylene Glycole Distearate as a Novel Phase Change Material for Energy Storage, *Materials Letters*, *62*, 1122, **2008**.

PATENTLER

- ❖ Patent#: US8927728. Alabugin I. V.; Yang, W.-Y.; Roy, S.; **Kaya, K.;** Sang, Q-X. Dipeptide acetylene conjugates and a method for photocleavage of double strand DNA by dipeptide acetylene conjugates.

KİTAP BÖLÜMLERİ

- ❖ Rana Mohamed, **Kemal Kaya**, Igor V. Alabugin. ARENE CHEMISTRY: Reaction Mechanisms and Methods for Aromatic Compounds (Wiley), Chapter 30. Photochemical Bergman Cyclization and Related Reactions. ISBN: 978-1-118-75201-2

KONFERANSLAR

- ❖ **Kemal Kaya**, Juan Rojas, Z. Sokolij, W.-Y. Yong, S. Roy, and Igor V. Alabugin. pH-Gated Light-Activated Alkyne Conjugates for Double-Strand DNA Cleavage. 22nd I-APS Winter Conference, Sarasota, FL, Jan 2-5, **2013** (*International*).
- ❖ I. V. Alabugin. S. Roy, W.-Y. Yang, **K. Kaya**. Towards light-activated anticancer agents: efficient double-strand DNA-photocleavage by enediyne-lysine and acetylene-lysine hybrids. 5th Drug Design and Medicinal Chemistry Summit, San Francisco, CA, **2011** (*International*).
- ❖ Alkan, C.; Sari, A.; **Kaya, K.**; Dünya, H. Effect of Sulfonation on enthalpy of Melting and Freezing of Phase Change Materials for Latent Heat Thermal Energy Storage Materials, Chemical Physics VII, 19-20 May, Egirdir, Turkey, **2006**

ÖDÜLLER

- ❖ Florida Devlet Üniversitesi Rektörlük Bursu, (Doktora)
- ❖ Milli Eğitim Bakanlığı Yurtdışı Eğitim Bursu (Doktora)
- ❖ Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (TÜBİTAK-2211) Yüksek Lisans Bursu (Master)

ÜYELİKLER

- ❖ Inter-American Photochemical Society