

# CURRICULUM VITAE

1. Name: Süleyman Aşır
2. Date of Birth: 03/09/1980
3. Title: Dr.

## 4. Degrees:

Degree	Field	Institution	Date
B.Eng. (Hons)	Chemistry	Hacettepe University	2002
M.Sc.	Chemistry	Hacettepe University	2004
Ph.D.	Chemistry	Eastern Mediterranean University	2009

## 5. Years of Service on Faculty:

Assistant Professor  
Associate Professor  
Professor

## 6. Master / Ph.D. Theses Supervision:

### 6.1 Master Thesis- Completed:

### 6.3 Ph.D. Thesis- Completed:

## 7. Publications:

### 7.1 International Journals:

- 1- S. Aşır, A. Derazshamshir, F. Yılmaz, A. Denizli "Triazine Herbicide Imprinted Monolithic Column for Capillary Electrochromatography", Electrophoresis, accepted, 2015. DOI: 10.1002/elps.201500232
- 2- D. Özdal, S.Aşır, J. B. Bodapati, H. İcil "Synthesis of a novel fluorescent amphiphilic chitosan biopolymer: photophysical and electrochemical behavior", Photochemical & Photobiological Sciences, 12: 1927-1938, 2013.
- 3- S.Aşır, Ayhan S. Demir, H. İcil "The synthesis of novel, unsymmetrically substituted, chiral naphthalene and perylene diimides: Photophysical, electrochemical, chiroptical and intramolecular charge transfer properties", Dyes and Pigments, 84: 1-13, 2009.
- 4- S. Aşır, L. Uzun, D. Türkmen, R. Say and A. Denizli, "Ion-selective imprinted superporous monolith for cadmium removal from human plasma", Separation Science and Technology, 40:3167-3185, 2005.

### 7.2 International Symposiums and Conferences:

#### Published Proceeding Papers

- 1- S. Aşır, H. İcil "Novel Multielectron Transfer Photosensitizers Based on Chiral Imides: Their Photophysical and Electrochemical Properties", 15th International Conference on Electroanalysis, Malmö-Sweden, June 2014.
- 2- S. Aşır, R. Seeber, H. İcil "Synthesis, Characterisation and Supramolecular Organization of Terpyridine-Functionalised Naphthalene and Perylene Diimides", 19th International Conference on Photochemical

Conversion and Storage of Solar Energy(IPS-19), California Institute of Technology, Pasadena, CA, USA, 29 July – 3 August 2012.

- 3- Pakseresht, M., Bodapati, J.B., Asir, S., Terzi, F., Seeber, R., İcil, H., “Chiral Perylene Diimide Dye-doped Silica Nanoparticles for Dye-sensitized Solar Cells: Preparation, Photophysical and Electrochemical Properties”, 19th International Conference on Photochemical Conversion and Storage of Solar Energy (IPS-19), California Institute of Technology, Pasadena, CA, USA, 29 July – 3 August 2012.
- 4- Ozdal, D., Asir, S., Bodapati, J.B., İcil, H., “The First Perylene Substituted Fluorescence Chitosan Polymer for Application in Organic Electronics Technology: Photophysical, Electrochemical, and Thermal Properties”, 19th International Conference on Photochemical Conversion and Storage of Solar Energy (IPS-19), California Institute of Technology, Pasadena, CA, USA, 29 July – 3 August 2012.
- 5- Uzun, D., Pasaogullari, N., Asir, S., Bodapati, J.B., Refiker, H., Yucekan, I., Pakseresht, M., İcil, H., “The Synthesis and Characterization of Novel Fluorescent pH Sensor Based on Perylene Diimide with Benzopurpurin 4B Substituents: Photophysics, Photochemical and Sensor Properties”, 19th International Conference on Photochemical Conversion and Storage of Solar Energy (IPS-19), California Institute of Technology, Pasadena, CA, USA, 29 July – 3 August 2012.
- 6- S. Aşır, R. Seeber, H. İcil “Synthesis of Chiral Perylene Diimides with Excellent Solubility and Solid State Properties: Photophysics and Electrochemistry for Photovoltaic Applications”, David G. Whitten Symposium, New Mexico, USA, August 2010.
- 7- S. Aşır, Ö. Akbaşak, H. İcil “Fluorescence Resonance Energy Transfer with Chiral and Achiral Imides”, ‘EPA-08’ HRSMC Summer School – Photochemistry 2008: Fundamentals and Applications, Maastrich, the Netherlands, June 2008.
- 8- S. Aşır, H. İcil “Synthesis of a rigid-flexible-rigid structure: A new bichromophoric perylene derivative”, International Conference on Organic Chemistry, Erzurum, Turkey, June 2007.
- 9- S.Aşır, A. S. Demir and H.İcil “Novel Chiral Perylene and Naphthalene Diimides as Potential Chiroptical Switches: Syntheses and Spectral Properties”, 1st European Chemistry Congress, Budapest-Hungary, August 2006.

### ***7.3 Books and Book Chapters:***

### ***7.4 Printed Lecture Notes:***

### ***7.5 National Conferences/Symposiums:***

- 1- S. Aşır, A. Derazshamshir, F. Yılmaz, A. Denizli “Triazine Herbicide Imprinted Monolithic Column for Capillary Electrochromatography”, 9. National Affinity Techniques Symposium, Köyceğiz-Muğla-Turkey, September 2015.

- 2- S. Aşır, A. Derazshamshir, F. Yılmaz, A. Denizli "Trietazin Baskılanmış Monolitik Kolonların Hazırlanması ve Kapiler Elektrokromatografi Yöntemi ile Trietazin Tayini", 15. National Chromatography Congress, Uşak-Turkey, April 2015.
- 3- K. Şarkaya, S. Hüseyinli, S. Aşır, A. Derazshamshir, F. Yılmaz, H. Yavuz "Separation of Hydrophobic Aminoacid Enantiomers in CEC", 9. National Affinity Techniques Symposium, Köyceğiz-Muğla-Turkey, September 2015.
- 4- A. Derazshamshir, S. Hüseyinli, S. Aşır, G. Tekçam, F. Yılmaz, A. Denizli "Türevlendirilmiş Monolitik Kolonların Kapiler Elektrokromatografi Yöntemi (CEC) ile Protein Tayininde Kullanımı", 15. National Chromatography Congress, Uşak-Turkey, April 2015.
- 5- D. Çimen, L. Uzun, S. Aşır, A. Denizli "Ni(II), Cu(II) ve Zn(II) Adsorplanmış Kriyojellerin İmmobilize Metal Afinite Uygulamaları ile Lizozim Safılaştırılması", 8. Ulusal Afinite Teknikleri Kongresi, Mevlana University, Konya-Turkey, September 2014.
- 6- S. Aşır, Ö. Akbaşak, H. İcil "Fluorescent Chiral Perylene Dyes and Energy Transfer Studies", XXII. National Chemistry Congress, Mağusa, North Cyprus, October 2008.
- 7- S. Aşır, H. İcil "Building Blocks for the Future Devices: The Synthesis of Chiral Perylene and Naphthalene Diimides", XXII. National Chemistry Congress, Mağusa, North Cyprus, October 2008.
- 8- D. Özdal, S. Aşır, H. İcil "Fluorescence-Based Ligand Conjugated Biopolymer", XXII. National Chemistry Congress, Mağusa, North Cyprus, October 2008.
- 9- S.Aşır and H.İcil "Kiroptikal Anahtar Olabilecek Nitelikte Yeni Kiral Diimidler: Sentezler ve Kiroptikal Özellikler", XX. National Chemistry Congress, Kayseri-Turkey, September 2006.
- 10- S.Aşır, A. S. Demir and H.İcil "Antisimetrik Kiral Perilen ve Naftalendiimid Sentezi", XIX. National Chemistry Congress, Kuşadası-Turkey, October 2005.
- 11- S. Aşır, D. Türkmen, A. M. Andaç, L. Uzun and A. Denizli "İnsan plazmasından Kadmiyum Detoksifikasyonu için İyon Seçici Baskılanmış Polimerik Monolitlerin Hazırlanması", I. National Affinity Techniques Congress, Ankara-Turkey, June 2005.
- 12- S. Aşır, D. Türkmen, A. M. Andaç, L. Uzun and A. Denizli "Ion-Selective Imprinted Polymeric Rods for Cadmium Detoxification" Biomed , Ankara-Turkey, 2004.

### **7.6 Other Publications:**

### **8. Projects:**

- 1- 2010-2012, TUBITAK "Dye Sensitized Solar Cells", Scientific Researcher
- 2- 2005-2006, DPT-YUUP "Synthetic Technology of Chiral Drug Materials within Health Biotechnology", Scientific Researcher

### **9. Administrative Posts:**

## 10. Citations:

D. Özdal, S.Aşır, J. B. Bodapati, H. İcil "Synthesis of a novel fluorescent amphiphilic chitosan biopolymer: photophysical and electrochemical behavior", *Photochemical & Photobiological Sciences*, 12: 1927-1938, 2013.

### Cited by:

- 1- Synthesis, characterization and antibacterial activity of new fluorescent chitosan derivatives, By: Hana Přichystalová, Numan Almonasy, A.M. Abdel-Mohsen, Rasha. M. Abdel-Rahman, Moustafa M.G. Fouda, L. Vojtova, Libor Kobera, Zdenek Spatz, Ladislav Burgert and J. Jancar, **International Journal of Biological Macromolecules**, 2014, **65**, 234

S.Aşır, Ayhan S. Demir, H. İcil "The synthesis of novel, unsymmetrically substituted, chiral naphthalene and perylene diimides: Photophysical, electrochemical, chiroptical and intramolecular charge transfer properties", *Dyes and Pigments*, 84: 1-13, 2009.

### Cited by:

- 1- Synthesis and properties of perylene diimide dyes bearing unsymmetrical and symmetrical phenoxy substituents at bay positions By: Zhao, Hang; Zhang, Ying-ying; Xu, Hai; et al. *TETRAHEDRON*, Volume: 71, Issue: 40, Pages: 7752-7757, Published: OCT 7 2015
- 2- Chiral Perylene Diimides: Building Blocks for Ionic Self-Assembly By: Echue, Geraldine; Lloyd-Jones, Guy C.; Faul, Chad F. J., *CHEMISTRY-A EUROPEAN JOURNAL*, Volume: 21, Issue: 13, Pages: 5118-5128, Published: MAR 23 2015
- 3- Reactive bay functionalized perylene monoimide-polyhedral oligomeric silsesquioxane organic electronic dye, By: Wangatia, Lodrick Makokha; Sun, Bin; Zeng, Ting; et al., *MATERIALS SCIENCE-POLAND*, Volume: 33, Issue: 1, Pages: 113-121, Published: MAR 2015
- 4- Synthesis, characterization, optical and electrochemical properties of a new chiral multichromophoric system based on perylene and naphthalene diimides, By: Aleshinloye, Abimbola O.; Bodapati, Jagadeesh B.; İcil, Huriye, *JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY*, Volume: 300, Pages: 27-37, Published: MAR 1 2015
- 5- A fluorescent Arg-Gly-Asp (RGD) peptide-naphthalenediimide (NDI) conjugate for imaging integrin  $\alpha(v)\beta(3)$  in vitro, By: Hu, Zhiyuan; Arrowsmith, Rory L.; Tyson, James A.; et al., *CHEMICAL COMMUNICATIONS*, Volume: 51, Issue: 32, Pages: 6901-6904, Published: 2015
- 6- Controlled Regioselective Amination of Peryleneimides, By: George, Lijo; Ahmed, Zafar; Lemmetyinen, Helge; et al., *EUROPEAN JOURNAL OF ORGANIC CHEMISTRY*, Issue: 3, Pages: 584-590, Published: JAN 2015
- 7- A conformationally stressed novel ball-type perylenediimide appended zinc(II) phthalocyanine hybrid: spectroelectrochemical, electrocolorimetric and photovoltaic properties, By: Pekdemir, Fatih; Kurnali, Sertan; Sengul, Abdurrahman; et al., *DALTON TRANSACTIONS*, Volume: 44, Issue: 1, Pages:158-166, Published: 2015
- 8- Synthesis and spectral properties of perylene-rhodamine dyads with lipophilic dendritic auxiliaries, By: Takahashi, Masaki; Ui, Michiki; Inuzuka, Toshiyasu; et al., *TETRAHEDRON*, Volume: 70, Issue: 48, Pages: 9175-9182, Published: DEC 2 2014
- 9- Synthesis and Characterization of Highly Processable Perylene Copolyimides and Their Luminescence and Thermal Properties, By: Singh, Pushpa; Sarfarazalam, *JOURNAL OF POLYMER MATERIALS*, Volume: 31, Issue: 4, Pages: 491-502, Published: OCT-DEC 2014
- 10- A Redox Switchable Dihydrobenzo[b] pyrazine Push-Pull System, By: Maniam, Subashani; Higginbotham, Heather F.; Guo, Si-Xuan; et al., *ASIAN JOURNAL OF ORGANIC CHEMISTRY*, Volume: 3, Issue: 5, Pages: 619-623, Published: MAY 2014
- 11- Synthesis and optical properties of novel asymmetric perylene bisimides, By: Tsai, Hsing-Yang; Chen, Kew-Yu, *JOURNAL OF LUMINESCENCE*, Volume: 149, Pages: 103-111, Published: MAY 2014

- 12- Humidity, light and temperature dependent characteristics of Au/N-BuHHPDI/Au surface type multifunctional sensor, By: Tahir, Muhammad; Sayyad, Muhammad Hassan; Clark, Jenny; et al., SENSORS AND ACTUATORS B-CHEMICAL, Volume: 192, Pages: 565-571, Published: MAR 2014
- 13- Electrical and dielectric properties of Al/p-Si and Al/perylene/p-Si type diodes in a wide frequency range, By: Kaya, Ahmet; Zeyrek, Sedat; San, Sait Eren; et al., CHINESE PHYSICS B, Volume: 23, Issue: 1, Article Number: 018506, Published: JAN 2014
- 14- Electronic, Optical, and Computational Studies of a Redox-Active Naphthalenediimide-Based Coordination Polymer, By: Leong, Chanel F.; Chan, Bun; Faust, Thomas B.; et al. INORGANIC CHEMISTRY, Volume: 52, Issue: 24, Pages: 14246-14252, Published: DEC 16 2013
- 15- New naphthalene polyimide with unusual molar absorption coefficient and excited state properties: Synthesis, photophysics and electrochemistry, By: Ozser, Mustafa E.; Yucesan, Ilke; Bodapati, Jagadeesh B.; et al., JOURNAL OF LUMINESCENCE, Volume: 143, Pages: 542-550, Published: NOV 2013
- 16- Asymmetric perylene bisimide dyes with strong solvatofluorism, By: Luo, Ming-Hui; Chen, Kew-Yu, DYES AND PIGMENTS, Volume: 99, Issue: 2, Pages: 456-464, Published: NOV 2013
- 17- Spectral Signatures of Perylene Diimide Derivatives: Insights From Theory, By: Houari, Ymene; Laurent, Adele D.; Jacquemin, Denis, JOURNAL OF PHYSICAL CHEMISTRY C, Volume: 117, Issue: 42, Pages: 21682-21691, Published: OCT 24 2013
- 18- The effect of series resistance and interface states on the frequency dependent C-V and G/w-V characteristics of Al/perylene/p-Si MPS type Schottky barrier diodes, By: Zeyrek, S.; Acaroglu, E.; Altindal, S.; et al., CURRENT APPLIED PHYSICS, Volume: 13, Issue: 7, Pages: 1225-1230, Published: SEP 2013
- 19- Facile synthesis and controllable bromination of asymmetrical intermediates of perylene monoanhydride/monoimide diester, By: Wang, Rongzhou; Shi, Zhiqiang; Zhang, Cuicui; et al., DYES AND PIGMENTS, Volume: 98, Issue: 3, Pages: 450-458, Published: SEP 2013
- 20- Interaction of Human Serum Albumin with Novel 3,9-Disubstituted Perylenes, By: Farooqi, Mohammed J.; Penick, Mark A.; Negrete, George R.; et al., PROTEIN JOURNAL, Volume: 32, Issue: 6, Pages: 493-504, Published: AUG 2013
- 21- Energy Transfer at the Single-Molecule Level: Synthesis of a Donor-Acceptor Dyad from Perylene and Terrylene Diimides, By: Kim, Ha Na; Puhl, Larissa; Nolde, Fabian; et al., CHEMISTRY-A EUROPEAN JOURNAL, Volume: 19, Issue: 28, Pages: 9160-9166, Published: JUL 8 2013
- 22- 1,7-Diaminoperylene bisimides: Synthesis, optical and electrochemical properties, By: Tsai, Hsing-Yang; Chen, Kew-Yu, DYES AND PIGMENTS, Volume: 96, Issue: 2, Pages: 319-327, Published: FEB 2013
- 23- X-Shaped donor molecules based on benzo[2,1-b:3,4-b']dithiophene as organic solar cell materials with PDIs as acceptors, By: Bibi, Shamsa; Li, Ping; Zhang, Jingping, JOURNAL OF MATERIALS CHEMISTRY A, Volume: 1, Issue: 44, Pages: 13828-13841, Published: 2013
- 24- Synthesis of a novel fluorescent amphiphilic chitosan biopolymer: photophysical and electrochemical behavior, By: Ozdal, Devrim; Asir, Suleyman; Bodapati, Jagadeesh B.; et al., PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, Volume: 12, Issue: 11, Pages: 1927-1938, Published: 2013
- 25- Investigation of current-voltage and capacitance-voltage characteristics of Ag/perylene-monoimide/n-GaAs Schottky diode, By: Simsir, N.; Safak, H.; Yuksel, O. F.; et al., CURRENT APPLIED PHYSICS, Volume: 12, Issue: 6, Pages: 1510-1514, Published: NOV 2012
- 26- 3,4,9,10-Perylenetetracarboxylic Acid/Hemin Nanocomposites Act as Redox Probes and Electrocatalysts for Constructing a Pseudobioenzyme-Channeling Amplified Electrochemical

- Aptasensor, By: Yuan, Yali; Yuan, Ruo; Chai, Yaqin; et al., CHEMISTRY-A EUROPEAN JOURNAL, Volume: 18, Issue:44, Pages: 14186-14191, Published: OCT 2012
- 27- Structural, spectral, electrochemical and catalytic reactivity studies of a series of N<sub>2</sub>O<sub>2</sub> chelated palladium(II) complexes, By: Ulusoy, Mahmut; Birel, Ozgul; Sahin, Onur; et al., POLYHEDRON, Volume: 38, Issue: 1, Pages: 141-148, Published: MAY 11 2012
- 28- Fabrication and Performance of Copper Phthalocyanine/Squaraine Dye/Perylene Composite with Bulk Heterojunctions by the Solution Blending Process, By: Chen, Chien-Hsun; Cheng, Wen-Tung; Tsai, Ming-Liao; et al., INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, Volume: 51, Issue: 9, Pages: 3630-3638, Published: MAR 7 2012
- 29- Graphene-promoted 3,4,9,10-perylenetetracarboxylic acid nanocomposite as redox probe in label-free electrochemical aptasensor, By: Yuan, Yali; Gou, Xuxu; Yuan, Ruo; et al., BIOSENSORS & BIOELECTRONICS, Volume: 30, Issue: 1, Pages: 123-127, Published: DEC 15 2011
- 30- Highly Soluble Polyoxyethylene-Perylene diimide: Optical, Electrochemical and Photovoltaic Studies, By: Birel, O. Hakli; Zafer, Ceylan; Dincalp, Haluk; et al., JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, Volume: 33, Issue: 4, Pages: 562-569, Published: AUG 2011
- 31- Characterization, liquid crystalline behavior, optical and electrochemical study of new aliphatic-aromatic polyimide with naphthalene and perylene subunits, By: Schab-Balcerzak, Ewa; Iwan, Agnieszka; Grucela-Zajac, Marzena; et al., SYNTHETIC METALS, Volume: 161, Issue: 15-16, Pages:1660-1670, Published: AUG 2011
- 32- A non-chromatographic method for the separation of highly pure naphthalene crystals from pyrolysis fuel oil, By: Mayani, Vishal J.; Mayani, Suranjana V.; Lee, Yonghwa; et al., SEPARATION AND PURIFICATION TECHNOLOGY, Volume:80, Issue: 1, Pages: 90-95, Published: JUL 12 2011
- 33- The photophysical characterisation of novel 3,9-dialkyloxy- and diacyloxyperylene, By: Fuini, John F.; Surampudi, Anand B.; Penick, Mark A.; et al., DYES AND PIGMENTS, Volume: 88, Issue: 2, Pages: 204-211, Published: FEB 2011
- 34- A new tunable light-emitting and pi-stacked hexa-ethyleneglycol naphthalene-bisimide oligomer: synthesis, photophysics and electrochemical properties, By: Bodapati, Jagadeesh B.; Icil, Huriye, PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, Volume: 10, Issue: 8, Pages: 1283-1293, Published: 2011
- 35- Association phenomena of a chiral perylene derivative in solution and in poly(ethylene) dispersion, By: Pucci, Andrea; Donati, Filippo; Nazzi, Samuele; et al., REACTIVE & FUNCTIONAL POLYMERS, Volume: 70, Issue:12, Pages: 951-960, Published: DEC 2010

S. Aşır, L. Uzun, D. Türkmen, R. Say and A. Denizli, "Ion-selective imprinted superporous monolith for cadmium removal from human plasma", Separation Science and Technology, 40:3167-3185, 2005.

#### **Cited by:**

- 1- A method for measurement of free cadmium species in waters using diffusive gradients in thin films technique with an ion-imprinted sorbent, By: Fan, Hong-Tao; Lu, Yan; Liu, Ai-Juan; et al., ANALYTICA CHIMICA ACTA, Volume: 897, Pages: 24-33, Published: OCT 15 2015
- 2- Cadmium Removal Performances of Different Dye Ligands Attached Cryogel Disks, By: Keles, Burak; Inanan, Tulden; Tuzmen, Nalan; et al., CROATICA CHEMICA ACTA, Volume: 88, Issue: 2, Pages:139-149, Published: JUL 2015
- 3- Electrochemical sensor for determination of tulathromycin built with molecularly imprinted polymer film, By: Sun, Jiadi; Ji, Jian; Wang, Yifan; et al., ANALYTICAL AND BIOANALYTICAL CHEMISTRY, Volume:407, Issue: 7, Pages: 1951-1959, Published: MAR 2015

- 4- Particle-Assisted Ion-Imprinted Cryogels for Selective Cd-II Ion Removal, By: Tabakli, Bekir; Topcu, Aykut Arif; Doker, Serhat; et al., INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, Volume: 54, Issue: 6, Pages: 1816-1823, Published: FEB 18 2015
- 5- Highly selective solid phase extraction of mercury ion based on novel ion imprinted polymer and its application to water and fish samples, By: Soleimani, Majid; Afshar, Majid Ghahraman, JOURNAL OF ANALYTICAL CHEMISTRY, Volume: 70, Issue: 1, Pages: 5-12, Published: JAN 2015
- 6- Molecular imprinting science and technology: a survey of the literature for the years 2004-2011, By: Whitcombe, Michael J.; Kirsch, Nicole; Nicholls, Ian A., JOURNAL OF MOLECULAR RECOGNITION, Volume: 27, Issue: 6, Pages: 297-401, Published: JUN 2014
- 7- Ionic Imprinted Silica-Supported Hybrid Sorbent with an Anchored Chelating Schiff Base for Selective Removal of Cadmium(II) Ions from Aqueous Media, By: Fan, Hong-Tao; Liu, Jin-Xiu; Yao, Hui; et al., INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, Volume: 53, Issue: 1, Pages: 369-378, Published: JAN 8 2014
- 8- Immunoglobulin G recognition with F-ab fragments imprinted monolithic cryogels: Evaluation of the effects of metal-ion assisted-coordination of template molecule, By: Asliyuçe, Sevgi; Uzun, Lokman; Say, Ridvan; et al., REACTIVE & FUNCTIONAL POLYMERS, Volume: 73, Issue:6, Pages: 813-820, Published: JUN 2013
- 9- Oriented immobilized anti-hIgG via Fc fragment-imprinted PHEMA cryogel for IgG purification, By: Bereli, Nilay; Erturk, Gizem; Tumer, M. Askin; et al., BIOMEDICAL CHROMATOGRAPHY, Volume: 27, Issue: 5, Pages: 599-607, Published: MAY 2013
- 10- Synthesis and theoretical study of molecularly imprinted monoliths for HPLC, By: Zheng, Chao; Huang, Yan-Ping; Liu, Zhao-Sheng, ANALYTICAL AND BIOANALYTICAL CHEMISTRY, Volume:405, Issue: 7, Pages: 2147-2161, Published: MAR 2013
- 11- Molecularly-imprinted monoliths for sample treatment and separation, By: Tan, Jin; Jiang, Zi-Tao; Li, Rong; et al., TRAC-TRENDS IN ANALYTICAL CHEMISTRY, Volume: 39, Special Issue: SI, Pages: 207-217, Published: OCT 2012
- 12- Bovine serum albumin recognition via thermosensitive molecular imprinted macroporous hydrogels prepared at two different temperatures, By: Ran, Dan; Wang, Yuzhi; Jia, Xiaopin; et al., ANALYTICA CHIMICA ACTA, Volume: 723, Pages: 45-53, Published: APR 20 2012
- 13- Use of molecular imprinted nanoparticles as biorecognition element on surface plasmon resonance sensor, By: Sener, Gulsu; Uzun, Lokman; Say, Ridvan; et al., SENSORS AND ACTUATORS B-CHEMICAL, Volume: 160, Issue: 1, Pages: 791-799, Published: DEC 15 2011
- 14- Molecularly imprinted supermacroporous cryogels for cytochrome c recognition, By: Tamahkar, Emel; Bereli, Nilay; Say, Ridvan; et al., JOURNAL OF SEPARATION SCIENCE, Volume: 34, Issue:23, Pages: 3433-3440, Published: DEC 2011
- 15- F-ab fragments imprinted SPR biosensor for real-time human immunoglobulin G detection, By: Erturk, Gizem; Uzun, Lokman; Tumer, M. Askin; et al., BIOSENSORS & BIOELECTRONICS, Volume: 28, Issue: 1, Pages: 97-104, Published: OCT 15 2011
- 16- Recent developments and applications of molecularly imprinted monolithic column for HPLC and CEC, By: Zheng, Chao; Huang, Yan-Ping; Liu, Zhao-Sheng, JOURNAL OF SEPARATION SCIENCE, Volume: 34, Issue:16-17, Special Issue: SI, Pages: 1988-2002, Published: SEP 2011
- 17- Cd(II)-imprinted polymer sorbents prepared by combination of surface imprinting technique with hydrothermal assisted sol-gel process for selective removal of cadmium(II) from aqueous solution, By: Li, Zhan-Chao; Fan, Hong-Tao; Zhang, Ying; et al., CHEMICAL ENGINEERING JOURNAL, Volume: 171, Issue: 2, Pages: 703-710, Published: JUL 1 2011
- 18- Reactive Green HE-4BD Functionalized Supermacroporous Poly(hydroxyethyl methacrylate) Cryogel for Heavy Metal Removal, By: Arpa, Cigdem; Bereli, Nilay; Ozdil, Elif; et al., JOURNAL

OF APPLIED POLYMER SCIENCE, Volume: 118, Issue: 4, Pages: 2208-2215, Published: NOV 15 2010

- 19- Quartz crystal microbalance based nanosensor for lysozyme detection with lysozyme imprinted nanoparticles, By: Sener, Gulsu; Ozgur, Erdogan; Yilmaz, Erkut; et al., *BIOSENSORS & BIOELECTRONICS*, Volume: 26, Issue: 2, Pages: 815-821, Published: OCT 15 2010
- 20- Inductively coupled plasma-optical emission spectrometry/mass spectrometry for the determination of Cu, Ni, Pb and Zn in seawater after ionic imprinted polymer based solid phase extraction, By: Otero-Romani, Jacobo; Moreda-Pineiro, Antonio; Bermejo-Barrera, Pilar; et al., *TALANTA*, Volume: 79, Issue: 3, Pages: 723-729, Published: AUG 15 2009
- 21- Supermacroporous poly(hydroxyethyl methacrylate) based cryogel with embedded bilirubin imprinted particles, By: Baydemir, Gozde; Bereli, Nilay; Andac, Muege; et al., *REACTIVE & FUNCTIONAL POLYMERS*, Volume: 69, Issue:1, Pages: 36-42, Published: JAN 2009
- 22- Cysteine functionalized poly(hydroxyethyl methacrylate) monolith for heavy metal removal, By: Uzun, Lokman; Turkmen, Deniz; Yilmaz, Erkut; et al., *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*, Volume: 330, Issue: 2-3, Pages:161-167, Published: DEC 1 2008
- 23- Protein recognition via ion-coordinated molecularly imprinted supermacroporous cryogels, By: Bereli, Nilay; Andac, Muege; Baydemir, Gozde; et al., *JOURNAL OF CHROMATOGRAPHY A*, Volume: 1190, Issue:1-2, Pages: 18-26, Published: MAY 9 2008
- 24- Monolithic column of molecularly imprinted polymers for liquid chromatography, By: Li Zhenying; Duan Hongquan; Huang Yanping; et al., *PROGRESS IN CHEMISTRY*, Volume: 20, Issue: 5, Pages:747-753, Published: MAY 2008
- 25- Synthesis of cholesterol imprinted polymeric particles, By: Yavuz, Handan; Karakoc, Veyis; Turkmen, Deniz; et al., *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, Volume: 41, Issue: 1, Pages: 8-15, Published: JUN 1 2007
- 26- Ion-imprinted beads for molecular recognition based mercury removal from human serum, By: Andac, Muge; Mirel, Sinem; Senel, Serap; et al., *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, Volume: 40, Issue: 2, Pages: 159-166, Published: JAN 30 2007

## 11. Scientific and Professional Society Membership:

- 1- Cyprus Turkish Association of Science and Technology (BİLTED – Kıbrıs Türk Bilim ve Teknoloji Derneği), 2011, founding vice-president and 2011-Present, vice-president of the association
- 2- European Photochemistry Association - EPA, member

## 12. Courses Taught During the Last Two Semesters:

Academic Year	Semester	Course Name	Weekly taught hours		Number of Students
			Theory	Lab	
2015/2016	Fall	KİM 101 Genel Kimya	3	2	168
		CHEM 101 General Chemistry	3	2	132
		CHE 105 General Chemistry	3	2	30
		MECHE/MDCHE 101 Marine Chemistry	2	-	37
		DUKİM/GMKİM 101 Denizcilik Kimyası	2	-	54



### 13. Awards:

#### **“ Red Glowing TRNC Flag on the Pentadaktylos Mountain”**

Huriye Icil, Duygu Uzun, Suleyman Asir, Jagadeesh B. Bodapati, Hurmus Refiker, Ilke Yucekan.

International Chemical Products and Raw Materials Industry R & D Project Market: Rated the BEST in the `paints and Adhesives` category and won the `BEST OVERALL AWARDS` in all categories, Istanbul Turkey, September 2012. (<http://www.kimyaargeprojepazari.com/>)

#### **" Development of a Low-Cost Sustainable Water Filter: Removal of Water Pollutants Cu (II) and Pb (II) Using Snail (Helix pomatia) Shells "**

Suleyman Asir, Ruofan Lily Chen, Yigitcan Yilmaz

International Concept Project Competition (ICPC), Junior Green Brain of the Year Contest: This team awarded a "SPECIAL RECOGNITION", METU-NCC, North Cyprus, September 2012. (<http://greenbrain.ncc.metu.edu.tr>)

#### **"Preparation of a Novel Sustainable Water Filter for Heavy Metal Removal from Water and Detailed Analysis of Pb (II) Adsorption on Snail (Helix pomatia) Shell Adsorbents"**

Suleyman Asir, Ruofan Lily Chen, Yigitcan Yilmaz

The International Sustainable World (Energy, Engineering, and Environment) Project: Team awarded a "BRONZE MEDAL", Harmony Public Schools, Houston, TX, USA, May 2013. (<http://isweeep.org/>)