

CURRICULUM VITAE



Personal

Dr. Duygu Uzun

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Gazimağusa - Kuzey Kıbrıs Türk Cumhuriyeti
Mersin 10,
TÜRKİYE

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Nationality:

TRNC

Turkish Cypriot

Date and place of birth:

28.08.1973 Larnaca-CYPRUS

Marital Status:

Single

Languages spoken:

Turkish and English

Academic Background

Degree Obtained or Academic status	Department/Branch	University	Period
Preparatory School		Eastern Mediterranean Univ. (T.R.N.C)	1991-1992
B.Sc	Chemistry with Computer Science	Eastern Mediterranean Univ. (T.R.N.C)	1992-1996
Assistant Student	Chemistry/ Organic Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	1995-1996
Instructor (part-time)	Business Department/ Computer	Eastern Mediterranean Univ. (T.R.N.C)	1996-1997
Ms.Sc.	Chemistry/ Organic Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	1996-1999
Research Assistant (full-time)	Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	1997-1999
Ph.D.	Chemistry/ Organic Chemistry	Eastern Mediterranean Univ. (T.R.N.C) (Collaboration with Max- Planck-Institut für Bioanorganische Chemie - Germany)	1999-2005
Research Assistant (full-time)	Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2001-2005
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2005-2006
Senior Instructor (part-time)	Mathematic Department/ Computer	Eastern Mediterranean Univ. (T.R.N.C)	2006-2007
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2007-2009
Trainer	ECDL/ICDL Core Computer Courses (Supported by European Commission)	Gazimağusa TEKNOPARK (T.R.N.C)	October 2009 - January 2010
Chemistry Teacher	Science Department	Eastern Mediterranean Doğa College	2011-2013
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2013-2014

Degree Obtained or Academic status	Department/Branch	University	Period
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2014-2015
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2015-2016
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2016-2017
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2017-2018
Senior Instructor (part-time)	Chemistry Department/ Chemistry	Eastern Mediterranean Univ. (T.R.N.C)	2018-2019 FALL

Ms.Sc. Thesis on:

Synthesis and Properties of Water Soluble Perylene-3,4,9,10-Tetracarboxylic Bisimides.
Eastern Mediterranean University, Famagusta, Cyprus, **1999**.

Supervisor : Prof. Dr. Huriye Icil (Eastern Mediterranean University)

Ph.D. Thesis on:

Biomimetic Cyclization of Terpenoid Polyalkenes via Photoinduced Electron Transfer: Finding Improved Electron Acceptors

Eastern Mediterranean University, Famagusta, Cyprus, **2005**.

Supervisor : Prof. Dr. Huriye Icil (Eastern Mediterranean University)

Co-Supervisor : Prof. Dr. Martin Demuth (Max-Planck-Institut für Bioanorganische Chemie, Germany)

Specialization:

Main field: ORGANIC CHEMISTRY

Other field: PHOTOORGANIC CHEMISTRY

Research interest: PHOTOCHEMISTRY
SOLAR CHEMISTRY
DYE CHEMISTRY

Publications:

1- *S. Amiralaei, D. Uzun, H. Icil,*

Chiral substituent containing perylene monoimide and diimide: Synthesis, photophysics and electrochemistry from dilute solution to solid-state.

J. Photochem. Photobiol. Sci., 7, 936-947 (2008).

2- *D. Uzun, M. E. Ozser, K. Yuney, H. Icil, M. Demuth*

Synthesis and Photophysical Properties of N,N'-bis-(4-cyanophenyl)-3,4,9,10-perylenebis(dicarboximide) and N,N'-bis-(4-cyanophenyl)-1,4,5,8-naphthalenediimide.

J. Photochem Photobiol. A: Chem., 156, 45-54, (2003).

3- *M. E. Ozser, D. Uzun, I. Elci, H. Icil, M. Demuth*

Novel Naphthalene Diimides and a Cyclophane Thereof: Synthesis, Characterization, Photophysical and Electrochemical Properties.

J. Photochem. Photobiol. Sci., 2, 218-223 (2003).

4- *H. Icil, D. Uzun, E. Arslan*

Synthesis and Spectroscopic Characterization of Water Soluble Perylene Tetracarboxylic Diimide Derivatives.

Spectrosc. Lett., 34(5), 605-615 (2001).

5- *H. Icil, D. Uzun, N. Paşaoğulları*

Synthesis of a New Thermal and Photostable Reference Probe for Q_f Measurement in Aqua: Water Soluble N,N'-Bis-(2-Hydroxy-4-Benzoic Acid)-3,4,9,10-Perylenebis(Dicarboximide).

Spectrosc. Lett., 31(3), 667-671 (1998).

Conferences:

International

1- *M. Mostafanejad, S. Kirkinci, S. Temurlu, K. Shukur, M. Dinleyici, B. A. Khateeb, J. B. Bodapati, D. Uzun and Huriye Icil*

Novel Organic Light Emitting Dyes

2016 Advanced Energy Conference, Jacob Javits Convention Center, New York City(USA), April 2016.

2- *B. A. Khateeb, K. Shukur, M. Mostafanejad, J. B. Bodapati, D. Uzun, H. Icil*

Novel Bay Substituted Perylene Diimides for Organic Photovoltaic Applications

The 2014 Challenges in Nanoscience ISACS 15 (International Symposia on Advancing the Chemical Sciences), the University of California, San Diego (U.S.A.), August 2014.

3- *D. Uzun, Huriye Icil*

Novel Macromolecule Containing Perylene Dye Moieties: Synthesis, Characterization, Electrochemistry and Dye-Sensitized Solar Cell Applications

20th International Conference on the Conversion and Storage of Solar Energy (IPS 20), Berlin, Germany, July 2014.

4- *A. Aleshinloye, D. Uzun, H. Refiker, I. Yucekan, M. Pakserent, J. B. Bodapati, S. Asir, H. Icil*

Perylene and Naphthalene Diimide-Based Materials for Photonic Applications

Gordon Research Conference (GRC)-Photochemistry, Stonehill College Easton, MA, USA, July 2013.

5- *D. Uzun, H. Refiker, I. Yucekan, J. B. Bodapati, M. Pakseresht, N. P. Aydınlık, S. Asir, H. Icil*

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 the Conversion and Storage of Solar Energy (IPS 19), California Institute of Technology (Caltech), Pasadena, Los Angeles-USA, July 2012.

6- *D. Uzun, H. Icil*

Perylene Cyclophane for Metal Complexations: Synthesis, Characterization and Photophysical Properties.

David G. Whitten Symposium, Albuquerque, New Mexico, U.S.A., August 2010.

7- *D. Uzun, H. Icil*

Properties of self-assembled π - π stacks of perylene diimides.

International Conference on Organic Chemistry, Erzurum-Turkey, June 2007.

8- *R. Gulaboski, D. Uzun, F. Scholz, H. Icil*

N,N'-bis(3-cyanophenyl)-1,4,5,8-naphthalenediimide and N,N'-bis(4-nitrophenyl)-1,4,5,8-naphthalenediimide: Their efficient synthesis, photophysical and electrochemical properties.

XXI. International Conference on Photochemistry, Nara-Japan, July 2003.

9- *H. Icil, M. Demuth, M. E. Ozser, D. Uzun, I. Elçi*

Synthesis of naphthalene diimides and cyclophanes.

XX. International Conference on Photochemistry, Moscow-Russia, July 2001.

10- *H. Icil, D. Uzun, E. Arslan*

Synthesis and spectroscopic characterization of water soluble perylene tetracarboxylic diimide derivatives.

XVIII. IUPAC Symposium on Photochemistry, Dresden-Germany, July 2000.

11- *M. Demuth, F. Goeller, X. Xing, V. Rosales, D. Uzun*

Biomimetics with photons via electron transfer including an efficient asymmetric induction principle and synthetic applications.

Réunion du Groupe de Photochimie Français, ENS de Cachan, Cachan-France, April 2000.

12- *H. Icil, N. Pasaogulları, D. Uzun*

Synthesis and properties of symmetrical and non-symmetrical perylene diimides.

The Fourth International Symposium on Functional Dyes, Science and Technology of Functional p-Electron Systems, Osaka-Japan, June 1999.

13- *H. Icil, D. Uzun and N. Pasaogulları*

Synthesis of a new thermal and photostable reference probe for Q_f measurement: Water soluble N,N'-bis-(2-hydroxy-4-benzoic acid)-3,4,9,10-perylenebis(dicarboximide).

XVII. IUPAC Symposium, Barcelona-Spain, July 1998.

National

1- *D. Uzun, H. Icil*

Perilen ve azo boyalarının yeni kombinasyonu: Bir kare süpramolekül.

XX. National Chemistry Congress, Kayseri-Turkey, September 2006.

2- *D. Uzun, H. Icil*

Naftalin diimidlerde ekzimer oluşumunun spektroskopik incelenmesi.

XIX. National Chemistry Congress, Kuşadası-Turkey, October 2005.

3- *D. Uzun, H. Icil*

Yeni perilen-TiO₂ sistemleri: Hetero-Süper molekül.

XVIII. National Chemistry Congress, Kars-Turkey, July 2004.

4- *D. Uzun, H. Icil, M. Demuth*

Fotoinduced elektron transfer reaksiyonlarında kullanılan monoalkenlerin oksidasyon potansiyellerinin araştırılması.

XV. National Chemistry Congress, Istanbul-Turkey, September 2001.

5- *H. Icil, M. Demuth, M. E. Ozser, D. Uzun, I. Elci*

Yeni naftalin diimidler ve siklofan sentezi ile elektron akseptör özelliklerinin araştırılması.

XV. National Chemistry Congress, Istanbul-Turkey, September 2001.

Worked Projects:

1- 1998-2001 Research Project, TUBITAK, TBAG-1707. (Scientific Researcher)

Symmetrical and Unsymmetrical Perylene Diimides Synthesis: Their Applications in Photoinduced Electron Transfer Reactions (Granted also at "TUBITAK Science, Technology and Innovational Projects Conference 2006").

2- 2004-2007 Research Project, TUBITAK, TBAG-2371. (Scientific Researcher)

Soluble Perylene Diimides and Polyimides: Synthesis, Characterization, Photophysical and Electrochemical Properties

3- 2010-2012 Research Project, TUBITAK, TBAG-110T201. (Scientific Researcher)

Efficient and Robust dye Sensitized Solar Cells Based on Conducting Perylene Diimides and Polymers

Workshops:

2005: FP6, Nicosia, Cyprus. Finance-NMS-IST Workshop in Cyprus, 4th IST CALL

Scholarship:

1999-2001 Scholarship, Stipendienrichtlinien der Max-Planck-Gesellschaft (Germany)

Grands:

2012 International Chemical Products and Raw Materials Industry R & D Project Market:
Rated the BEST in the `paints and Adhesives` category and von the `BEST OVERALL
AWARDS` in all categories, September 2012.

Functions:

Member of European Photochemistry Association (EPA) 2008-

Member of Turkish Chemical Society 2008-

Member and General Secretary of Cyprus Turkish Science and Technology Association (BİLTED)
2011-

Committee:

Member of Organizing Committee of XXII. National Chemistry Congress 6-10 October 2008,
Magusa. (Reference: <http://kimya2008.emu.edu.tr/en-organizasyon.php>)

General Secretary of Cyprus Turkish Science and Technology Association (BİLTED) 2011-

Courses Taught:

Academic Year	Semester	Course Title/Corse Code	Hours per Week		Number of Students
			Theory	Application	
1996-1997	Fall	Introduction to Information Technology I / MGMT171 (Undergraduate – in English)	3	1	-
	Spring	Introduction to Information Technology II / MGMT172 (Undergraduate – in English)	3	1	-
2004-2005	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	-
2005-2006	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	41
		Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	47
2006-2007	Fall	Introduction to Computers (Bilgisayara Giriş) / BILG101 (Undergraduate – in Turkish)	3	1	41
	Spring	Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	114
2007-2008	Fall	Introduction to Computers (Bilgisayara Giriş) / BILG101 (Undergraduate – in Turkish)	3	1	42
		Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	146

	Spring	Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	187
2008-2009	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	47
		Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	181
		Social and Individual Patterns of Drug Use (<i>Uyuşturucu Kullanımının Seyri</i>) / TBIL223 (Undergraduate – in Turkish)	3	0	63
	Spring	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	45
		Social and Individual Patterns of Drug Use / SCIE223 (Undergraduate – in English)	3	0	132
		Social and Individual Patterns of Drug Use (<i>Uyuşturucu Kullanımının Seyri</i>) / TBIL223 (Undergraduate – in Turkish)	3	0	26
2013-2014	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	86
		Fundamentals of Chemistry (<i>Temel Kimya</i>) / KIMY103 (Undergraduate – in Turkish)	3	0	36
		General Chemistry (<i>Genel Kimya</i>) / KIMY107 (Undergraduate – in Turkish)	4	1	55
		Introduction to General Chemistry (<i>Genel Kimyaya Giriş</i>) / KIMY109 (Undergraduate – in Turkish)	3	0	53
	Spring	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	75
		Introduction to General Chemistry (<i>Genel Kimyaya Giriş</i>) / KIMY109 (Undergraduate – in Turkish)	3	0	46
		Organic Chemistry (<i>Organik Kimya</i>) / KIMY104 (Undergraduate – in Turkish)	3	0	70
2014-2015	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	176
		Fundamentals of Chemistry (<i>Temel Kimya</i>) / KIMY103 (Undergraduate – in Turkish)	3	0	57

		Introduction to General Chemistry (<i>Genel Kimyaya Giriş</i>) / KIMY109 (<i>Undergraduate – in Turkish</i>)	3	0	62
	Spring	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1	124
		Organic Chemistry (<i>Organik Kimya</i>) / KIMY104 (<i>Undergraduate – in Turkish</i>)	3	0	49
2015-2016	Fall	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1	125
		Fundamentals of Chemistry (<i>Temel Kimya</i>) / KIMY103 (<i>Undergraduate – in Turkish</i>)	3	0	43
		Introduction to General Chemistry (<i>Genel Kimyaya Giriş</i>) / KIMY109 (<i>Undergraduate – in Turkish</i>)	3	0	58
	Spring	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1	139
		Organic Chemistry (<i>Organik Kimya</i>) / KIMY104 (<i>Undergraduate – in Turkish</i>)	3	0	74
	2016-2017	Fall	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1
General Chemistry (<i>Genel Kimya</i>) / KIMY107 (<i>Undergraduate – in Turkish</i>)			4	1	50
Spring		General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1	112
		Organic Chemistry / CHEM243 (<i>Undergraduate – in English</i>)	4	1	75
		Organic Chemistry (<i>Organik Kimya</i>) / KIMY104 (<i>Undergraduate – in Turkish</i>)	3	0	38
Summer		Organic Chemistry / CHEM243 (<i>Undergraduate – in English</i>)	4	1	25
2017-2018		Fall	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1
	Organic Chemistry / CHEM243 (<i>Undergraduate – in English</i>)		4	1	81
	Spring	General Chemistry / CHEM101 (<i>Undergraduate – in English</i>)	4	1	56
		Organic Chemistry / CHEM243 (<i>Undergraduate – in English</i>)	4	1	83

		Organic Chemistry (<i>Organik Kimya</i>) / KIMY104 (Undergraduate – in Turkish)	3	0	48
	Summer	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	40
2018-2019	Fall	General Chemistry / CHEM101 (Undergraduate – in English)	4	1	99
		Organic Chemistry / CHEM243 (Undergraduate – in English)	4	1	72

in High School			
Academic Year	Course Code	Course Title/Student Level	Number of Given Year
2011-2012	Science and Tecnology	For year 6	1
2011-2012 2012-2013	IGCSE Chemistry	IGCSE Chemistry for year 9	2
2011-2012 2012-2013	A2 Chemistry	A-Level Chemistry for year 12	2
2012-2013	AS Chemistry	AS Chemistry for year 12	1