1. Adı Soyadı : Kemal YELEKÇİ

2. Doğum Tarihi : 02.01.1953

3. Ünvanı : Prof. Dr.

4. Öğrenim Durumu : Doktora

Derece	**Alan**	**Üniversite**	**Yıl**
Lisans	Kimya	Orta Doğu Teknik Üniversitesi	1979
Y. Lisans	Organik Kimya	Çukurova Üniversitesi	1981
Doktora	Organik Kimya	Ohio Üniversitesi	1987
Doktora Sonrası	Medsinal Kimya	Northwestern Üniversitesi	1988

5. Akademik Unvanlar

Yardımcı Doçentlik Tarihi : Eylül 1988
Doçentlik Tarihi : Ekim 1989
Profesörlük Tarihi : Şubat 1996

ARAŞTIRMA ALANLARI: İlaç tasarımı ve ilaç etkisi ile ilgili araştırma ve geliştirilme. Organik sentez, enzimlere tasarlanan küçük ilaç molekülleri, reseptör ligand etkileşimleri ve transport protein mekanizmalarının incelenmesi. Bilgisayar destekli ilaç tasarımı. İn siliko ilaç adayları taraması, serbest enerji hesaplamaları, protein-substrat kompleks yapılarının dinamik davranışlarının incelenmesi konuları esas olarak çalıştığım konulardır. Monoamin oksidaz (A ve B), Nitrik oksit senteaz, gibi depresyon, Parkinson ve nörodejenerason ile ilgili enzim mekanizmaları ve bu enzimlere tasarlanan etkisi ve seçiciliği yüksek ilaçlar. Parkinson ve Alzheimer gibi nörodejeneratif hastalıklarla ilgili Dopamin transporterininin incelenmesi ve anlaşılmasına yönelik çalışmalar. Antikanser

ilaç hedefleri olan epigenetik modifikasyon yapan Histon Deasetilaz enzimleri (1,3,4,5, 6,8) ile ilgili araştırmalar. Prostat kanseri ile ilgili olduğu düşünülen Metionine amino peptidaz (MetAP2) enzimine yönelik ilaç tasarımı ve geliştirilmesi.

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

	Student Name	Year	Program	Title of the Thesis
1	M. VEZİR KAHRAMAN	1995	M. S.	Synthesis of α-(2-aminomethyl)-N-phenyl nitrone
2	M. VEZİR KAHRAMAN	2001	Ph. D.	Synthesis of biologically active amino ethers
3	SEVİM KARATAŞ	2001	Ph. D	Synthesis of ethyl α -3,4- halo-disubstituted cinnamate and α-acylamino 3,4-disubstituted cinnamic acid and reduction product on Pd/C.
4	DİLBER DAMAR	2001	M. S.	Synthesis of Ethyl-2-nitro-3-hydroxy-3-(3,4-dimoethoxyphenyl) propanoate.
5	GÜL ALTINBAŞ	2001	M. S.	Investigation of the Friedel Crafts acylation of toluene with various substrates.
6	İBRAHİM YILDIZ	2003	M. S.	Computationally investigation of addition-elimination reaction mechanism of monoamine oxidase (MAO) enzyme.
7	ÖZLEM KARAHAN	2004	M. S.	Computationally investigation of oxidation reaction mechanism of monoamine oxidase (MAO) enzyme.
8	ÇAĞLA MIDIK	2012	M. S.	In silico inhibitor design for monoamine oxidase A and B isozymes
9	ERÇİN DİNÇER	2012	M. S.	Structure prediction of TB rPOß and its mutations binding analysis
10	FİLİZ VARNALI	2012	M. S.	Designing inhibitors via molecular modelling methods for monoamine oxidase isozymes A and B
11	SERKAN ALTUNTAŞ	2013	M. S.	In silico design of selective monoamine oxidase B inhibitors using indane ring
12	BORA BÜYÜKTÜRK	2013	M. S.	De novo selective inhibitor design to neuronal NOS enzyme and exploration of the binding site
13	NURDAN KAYRAK	2013	M. S.	In silico design of selective neuronal nitric oxide synthase
14	TALHA KARABIYIK	2014	M. S.	In silico identification of physiological substrates and inhibitors of serum paraoxonase 1 enzyme
15	TUĞBA MEHMETOĞLU	2014	M. S.	In silico design of novel and highly selective cyclooxygenase-2 inhibitors
16	BAHANUR ÖRTMEN	2014	M. S.	In silico screening of neuronal nitric oxide synthase enzyme inhibitors

17	DİLARA KARAMAN	2014	M. S.	In silico design and modeling of coumarin derivatives as selective monoamine oxidase inhibitors
18	FATMA M.AB. ALNEMSİ	2016	M. S.	Docking study of sesveratrol like molecules on histone deacetylase 8
19	SİNAN FINDIK	2016	M. S.	Exploring the action mechanism of amphipathic α - Helical Antimicrobial Peptides, Ll-23 And Its Single-Nucleotide Variants Via Computational Methods
20	JACKSON WEAKO	2017	M. S.	In silico screening of tangible-potential inhibitor of methionine aminopeptidase 2 for the treatment of cancer
21	SEDAT TANJU KARADENİZ	2017	M. S.	Corrected PRA positivity rates for hypersensitized patients in Turkish population with calculated PRA-cPRA software
22	TEODORA DIKIC	2017	Ph. D.	In silico modeling of dopamine transporter and design of novel neuroprotective drugs for Parkinson's disease
23	AUGUSTINE S. SAMORLU	2018	M. S.	In silico screening of potent HIV-1 integrase inhibitors for the treatment of human immunodeficiency virus (HIV).
24	ABDULLAHİ İBRAHIM UBA.	2018	Ph.D.	Targeting cancer epigenetic modifiers: The design of isoform-selective histone deacetylase inhibitors

25. Anas Abdulqader Abbas Al-Obaidi, M.S., "Development of Novel and Potent Inhibitors For GABA-AT Enzyme Via In Silico Screening Methods", **2020**.

26. Safanah Albayati. M. S., "Selective and Potent Inhibitors Design for Methionine Aminopeptidase II (MetAPs II) using Pharmacophore Modeling" (**2019**).

27. Şafak Naz Şentürk, M. S., "Peptidomimetic drug candidates for methionine amino peptidase II enzyme for prevention of cancer". (**2019**).

28. Ammar Almezayan, Ph. D. "*In Silico* Designing of Isoform-Selective Inhibitors Against Class IIa Histone Deacetylases", 2021.

29. Sedat Tanju Karadeniz, Ph. D., "Augmented Virtual-Cross-Match for Donor-Induced Antibody Prediction by Using High Resolution HLA Typing and HLA Epitope Mapping for Better Donor Match", 2021.

30. Sarah Boumezber, Ph. D.,"Designing of Selective and Potential of Neuronal Nitric Oxide Synthase Inhibitors Toward the Prevention Neurodegenerative Disease Using in Silico Screening Methods", 2021.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

7.1.1 K.Yelekçi; M.Acımış; H.Soran. "Melia azedarach L. Meyvelerinden Çıkartılan Özütlerin Çam Keseböceği Tırtıllarına Etkisi ", *Doğa Bilim Dergisi, Temel Bilim*. Cilt 5, **1981**, 69-71.

7.1.2 K.Yelekçi; H.Evliya."Melia azedarach L. Meyvelerinden İzole edilen 7-Tricosanol'in Tanımlanması"*Doğa Bilim Dergisi, Temel Bilim*. Cilt 6, 1982, 45-51.

7.1.3 W.D.Huntsman; J.P.Chen; K.Yelekçi; T.K.Yin; L.J.Zhang"Thermal Aromatization of Alkylidenecyclopentenes and Related Hydrocarbons "*J. Org. Chem.*1988,53,4357-4363.

7.1.4 K.Yelekçi; X.Lu; R.B.Silverman, "Electron Spin resonance Studies of Monoamine Oxidase B. First Direct Evidence for a Substrate Radical Intermediate", *J. Am.Chem.Soc*. **1989**,111,1338-1340.

7.1.5 K.Yelekçi, "Synthesis of 1-Aminocyclobutane Derivates"*Turkish, J.Chem.* **1992**, 16(1), 18-28.

7.1.6 V.J. Drose; J.C.G. Woo; W.P.Hawe; B.M. Hoffman; R:B: Silverman; K. Yelekçi, "Observation of a Flavin Semiquinone in the Resting Staate of Monoamine Oxidase by Electron Paramagnetic resonance and Electron Nucleer Double Resonance", *Biochemistry* **1996**, 35, 11085-11091.

7.1.7 K. Yelekçi; R.B. Silverman, "Effect of the Locus of the Oxygen Atom in Amino Ethers on The Inactivation of Monoamine Oxidase B", *J. Enzyme Inhibition*. **1998**, 13, 31-39.

7.1.8 S. S. Erdem; K. Yelekçi, "Computer Modeling of Oxygen Containing Heptylamines as Monoamine Oxidase Inactivators" *Journal of Molecular Structure (Theochem)* 572 (**2001**), 97-106.

7.1.9 Mustafa Toprakçı, Kemal Yelekçi, "Docking studies on Monoamine Oxidase-B inhibitors: estimation of inhibition constants (Ki) of a series of experimentally tested compounds", *Bioorganic & Medicinal Chemistry Letters,* 15 (**2005**) 4438-4446.

7.1.10 Safiye Sağ Erdem, Ö zlem Karahan, İbrahim Yıldız and Kemal Yelekçi . "A computational study on the amine-oxidation mechanism of monoamine oxidase: Insight into the polar nucleophilic mechanism", *Organic & Biomolecular Chemistry*, **2006**, 4, 646-658. (Bu makale "The Royal Soceity of Chemistry" kapsamında uluslararası yayınlanan dergiye kapak olmuştur.)

7.1.11 Kemal Yelekçi, S. Erdem, Ö. Karahan, F. Uyar,"Synthesis and Thermal Reactions of -Acetoxy-2,6,6-Trimethylbicyclo[3.1.0] hexane: Elucidation of the Mechanism of the Reaction with Coputational Approach", *Journal of Molecular Structure: THEOCHEM*, 814 (**2007**) 61-73.

7.1.12 Kemal Yelekçi, Özlem Karahan, Mustafa Toprakçı, "Docking of novel reversible monoamine oxidase-B inhibitors: efficient prediction of ligand binding sites and

estimation of inhibitors thermodynamic properties (ΔG and Ki)", *Journal of Neural Transmission*, (**2007**) 114: 725-732.

7.1.13 Yelekci K, Erdem SS , "Thermal rearrangement of 2-acetoxy-2,6,6 trimethylbicyclo[3.1.0]hexane: Theoretical elucidation of the mechanism", *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY* Volume: 234 Meeting Abstract: 326-COMP Published: AUG 19 **2007**.

7.1.14 Yelekci K, Bora G, Dayangac-Erden D, et al."COMP 297-Experimental and molecular docking simulation studies of Histone deacetylases (HDACs) enzyme inhibitors", *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY* Volume: 234 Meeting Abstract: 297-COMP Published: AUG 19 **2007**.

7.1.15 Yelekci, K, Dayangac-Erden D, Ayhan P, Bora G, et al."MEDI 333-Histone deacetylase inhibition activity of resveratrol and its analogs", *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY* Volume: 234 Meeting Abstract: 333-MEDI Published: AUG 19 **2007**.

7.1.16 Nesrin Gökhan-Kelekçi, Semra Koyunoğlu, Samiye Yabanoğlu, Kemal Yelekçi, Özen Özgen, Gulberk Uçar, Kevser Erol, Engin Kendi, Akgul Yeşilada,"New Pyrazoline Bearing 4(3H)-quinazolinone Inhibitors of Monoamine Oxidase: Synthesis, biological evaluation, and structural determinants of MAO-A and MAO-B selectivity", *Bioorganic & MedicinalChemistry*. (**2009**), 17(2), 675-689.

7.1.17 Didem Dayangaç-Erden, Gamze Bora, Peruze Ayhan, Çetin Kocaefe, Sevim Dalkara, Kemal Yelekçi, Ayhan S. Demir, Hayat Erdem-Yurter, "Histone Deacetylase Inhibition Activity and Molecular Docking of (E)-Resveratrol: its Therapeutic Potential in Spinal Muscular Atrophy", *Chemical Biology & Drug Design,* (**2009**), 37(3), 355-364.

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7.1.19 Nesrin Gökhan-Kelekçi, Ö. Özgün Şimşek, Ayşe Ercan, Kemal Yelekçi, Z. Sibel Şahin Şamil Işık, Gülberk Uçar, A. Altan Bilgin. "Synthesis and molecular modeling of some novel hexahydroindazole derivatives as "potent monoamine oxidase inhibitors", *Bioorganic & Medicinal Chemistry* (**2009**), 17(4), 5219-5228.

7.1.20 Ebru Demet Akdoğan, Burak Erman, Kemal Yelekçi. "In silico design of novel and highly selective lysine-specific histone demethylase inhibitors", *Turk J Chem* 35 (**2011**), 523-542, (doi:10.3906/kim-1102-985).

7.1.21 Gamze Bora Tatar, Tenzile Deniz Tokluman, Kemal Yelekçi, Hayat Yurter,"Power of inhibition activity screening and 3D molecular modeling approaches in HDAC 8 inhibitor design",*Turk J Chem,* 35 (**2011**) , 861 – 870. (doi:10.3906/kim-1107-34).

7.1.22 Safiye Sağ Erdem, Seyhan Türkkan, Kemal Yelekçi, Nesrin Gökhan-Kelekçi, "Insights into the binding mode of new N-substituted pyrazoline derivatives to MAO-A: docking

and quantum chemical calculations", *J Neural Transm*, (**2013**) 120:859–862, (DOI 10.1007/s00702-012-0950-4).

7.1.23 Umut Salgın-Gökşen, Samiye Yabanoğlu-Çiftçi, Ayşe Ercan, Kemal Yelekçi, Gülberk Uçar, Nesrin Gökhan-Kelekçi, "Evaluation of selective human MAO inhibitory activities of some novel pyrazoline derivatives", *J Neural Transm,* (**2013**) 120:863–873, (DOI 10.1007/s00702-013-0980-6).

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7.1.25 Kemal Yelekçi, Bora Büyüktürk, Nurdan Kayrak, "In silico identification of novel and selective monoamine oxidase B inhibitors", *J Neural Transm* (**2013**) 120:853–858, (DOI 10.1007/s00702-012-0954-0).

7.1.26 Peruze Ayhan Eşiyok, Özlem Seven, Gülüzar Eymur, Gamze Bora Tatar, Didem Dayangac Erden, Kemal Yelekçi, Hayat Yurter, Ayhan Sıtkı Demir. "Aryl butenoic acid derivatives as a new class of histone deacetylase inhibitors: synthesis, in vitro evaluation, and molecular docking studies", *Turk J Chem,* 38 (**2014**) , 338 – 344. (doi:10.3906/kim-1305-56).

7.1.27 Begüm Evranos-Aksöz , Samiye Yabanoğlu-Çiftçi, Gülberk Uçar, Kemal Yelekçi, Rahmiye Ertan. "Synthesis of some novel hydrazone and 2-pyrazoline derivatives: Monoamine oxidase inhibitory activities and docking studies", *Bioorganic & Medicinal Chemistry Letters,* 24 (**2014**) 3278-3284. http://dx.doi.org/10.1016/j.bmcl.2014.06.015.

7.1.28 Kemal Yelekçi, Bahanur Örtmen "De Novo Design of Potent and Selective Neuronal Nitric Oxide Synthase (nNOS) Inhibitors by a Fragment-Based Approach", *Journal of Pharmaceutical Chemistry*, **2014**, 1 (4), 68-73.

7.1.29 Evranos-Aksöz B, Baysal İ, Yabanoğlu-Çiftçi S, Djikic T, Yelekçi K, Uçar G, Ertan R. "Synthesis and Screening of Human Monoamine Oxidase-A Inhibitor Effect of New 2-Pyrazoline and Hydrazone Derivatives.". *Arch Pharm* (Weinheim). **2015**. Oct;348(10):743-56. doi: 10.1002/ardp.201500212. Epub 2015.

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7.1.31 Katarina Nikolic, Lazaros Mavridis, Teodora Djikic, Jelica Vucicevic, Danica Agbaba, KemalYelekci andJohnB.O.Mitchell. "Drug Design for CNS Diseases: Polypharmacological Profiling of Compounds Using Cheminformatic, 3D-QSAR and Virtual Screening Methodologies" http://dx.doi.org/10.3389/fnins.2016.00265. *Front. Neurosci*., 10 June **2016**.

7.1.32 S.T. Karadeniz, S.U. Akgul, Y. Ogret, H.S. Ciftci, A. Bayraktar, H. Bakkaloglu, Y. Caliskan, K. Yelekci, A. Turkmen, A.E. Aydin, F.S. Oguz, M. Carin, and F. Aydin, "Corrected Panel-Reactive Antibody Positivity Rates for Hypersensitized Patients in Turkish Population With Calculated Panel-Reactive Antibody Software", http://dx.doi.org/10.1016/j.transproceed.2017.01.032, *Transplantation Proceedings*, 49, 445e447 (**2017**).

7.1.33 Karadeniz, Sedat Tanju; Akgul, Sabahat; Ciftci, Hayriye Senturk; Yelekci, Kemal; et al. "Epitope Based Hla Matching By Using Antibody Reactivity With High Resolution Allele Typing And Hlamatchmaker Algorithm Based Software", *Transplant International, 30* Special Issue: SI Supplement: 2 Pages: 302-302 Meeting Abstract, **2017.**

7.1.34 Evranos-Aksoz, Begum; Ucar, Gulberk; Tas, Sadik Taskin; Yelekci, Kemal; et al."New Human Monoamine Oxidase an Inhibitors with Potential Anti-Depressant Activity: Design, Synthesis, Biological Screening and Evaluation of Pharmacological Activity", *COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING*, 20(6) Pages: 461-473, **2017**.

7.1.35 Evranos-Aksoz, Begum; Ucar, Gulberk; Yelekci, Kemal
"Design, Synthesis and hMAO Inhibitory Screening of Novel 2-Pyrazoline Analogues", *COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING,* 20, Issue: 6 Pages: 510-521, **2017.**

7.1.36 Abdullahi İbrahim UBA, Kemal YELEKÇİ "Exploration of the binding pocket of histone deacetylases: the design of potent and isoform-selective inhibitors", Turk J Biol (**2017**) 41, TÜBİTAK doi:10.3906/biy-1701-26.

7.1.37 Abdullahi Ibrahim Uba, Kemal Yelekçi **(2018).** Identification of potential isoform-selective histone deacetylase inhibitors for cancer therapy: a combined approach of structure-based virtual screening, ADMET prediction and molecular dynamics simulation assay. *Journal of Biomolecular Structure and Dynamics,* 36:12, 3231- 3245. doi: http://doi.org/10.1080/07391102.2017.1384402. (IF: 3.107)

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7.1.43 Işıl Çoruh, Özge Çevik, Kemal Yelekçi, Teodora Djikic, Ş Güniz Küçükgüzel Synthesis, anticancer activity, and molecular modeling of etodolac-thioether derivatives as potent methionine aminopeptidase (type II) inhibitors *Archiv der Pharmazie,*3-4, 351, **2018.** https://doi.org/10.1002/ardp.201700195 **(IF:2.29).**

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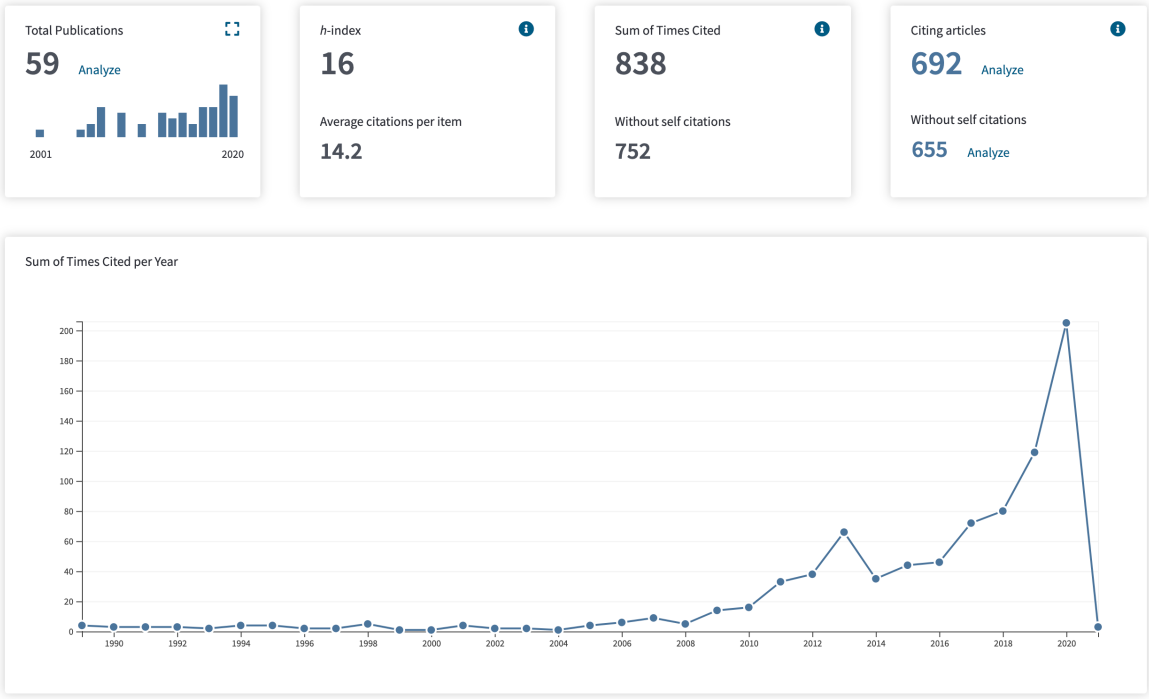
Atıflar ve h-indeksi (Web of Science)



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7.6.11 Didem dayangaç-Erden, gamze Bora, peruze Ayhan, Çetin Kocaefe, Sevim Dalkara, Kemal Yelekçi, Ayhan S. Demir, Hayat Erdem-Yurter, "Histon deacetylase inhibition activity and molecular docking of (e)-resveratrol: its therapeutic potential in spinal muscular atropy", XI. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, 28-31 Ekim 2009, *Bodrum, Türkiye*. (Prof. Dr. Altan Günalp İkicilik Ödülü'ne layık görülmüştür).

7.6.12 Kemal Yelekçi, "Virüslere Nasıl İlaç Geliştirilir: HIV Virüsü İçin Yapılan Çalışmalar, IV. Ulusal Biyoloji Toplulukları Kongresi, 4-6 Mayıs 2012, *Bursa*.

7.6.13 Kemal Yelekçi" İlaç Sentezi ve Sektörde İlaç" , 14 Nisan 2012, Türk Kimya Derneği, *İstanbul*.

7.6.14 Kemal Yelekçi , "In Silico Design of Some Novel and Highly Selective Lysine-Specific Histone Demethylase Inhibitors", IV. Multididipliner Kanser Araştırma Kongresi, 13 Aralık, 2012, *BURSA*.

7.6.15 Kemal Yelekçi (Davetli Konuşmacı " Bilgisayar Destekli İlaç Tasarımı ve Moleküler Modelleme", Anadolu Üniversitesi, Fen Fakültesi, 20. Yıl Etkinlikleri, 29 Nisan, 2013, *Eskişehir*.

7.7. Diğer yayınlar

7.7.1 Kemal Yelekçi, Turhan Altınata

"Modern Üniversite Kimyası Problemleri" *Çağlayan Kitapevi*, Beyoğlu, İstanbul, 1989.

7.7.2 Kemal Yelekçi
"Modern Nükleer Magnetik Rezonans Spektroskopisi ve Uygulamaları"
Marmara Üniversitesi Teknik Eğt.Fak. Matbaası, İstanbul,1991, 362 Sayfa.

7.7.3 Mine Enginün, Kemal Yelekçi (Editör)
"VIII. Kimya ve Kimya Mühendisliği Sempozyum Kitabı" *Marmara Üniversitesi Yayın* No:518, 1992, 416 Sayfa.

7.7.4 Kemal Yelekçi "Organik Kimya" John McMurry'den Tercüme edildi (Yaklaşık 1200 sayfa),

7.7.5 Doç. Dr. Hunay Evliya, Arş.Gör. Kemal Yelekçi, Arş.Gör. Zeki Necipoğlu, Arş.Gör. Gönül Paksoy, Şermin Gül, "Kromatografi Teknikleri"
Çukurova Üniversitesi, Fen-Edebiyat Fak. Ders Notu Seri No:7, ISBN 975-96593-0-1, Haziran 1998.

7.7.6 Spektroskopiye Giriş (Lisans Öğrencileri için, 147 Sayfa).

7.7.7 Organik Madde Yapı Aydınlatılması (Lisans Öğrencileri için, 270 Sayfa).

7.7.8 Stereokimyaya Giriş (Yüksek Lisans Öğrencileri için, 260 Sayfa).

7.7.9 Organik Kimya Laboratuvar Uygulamaları (Lisans Öğrencileri için, 65 Sayfa)

8. Ulusal & Uluslararası Projeler (DPT, TÜBİTAK, AB, vb)

8.1 "Radikal Araürünlerin Tespitinde Kullanılan Model Nitron Bileşiklerinin Sentezi" Marmara Üniversitesi Araştırma Fonu: 1993/Fen-8 nolu proje, Prof.Dr. Kemal Yelekçi , M.Vezir Kahraman.

8.2 "N-Metilamino Eterlerdeki Oksijen Etkisi" ,Marmara Universitesi Araştırma Fonu : 1998/Fen-3 nolu proje, Prof.Dr. Kemal Yelekçi , M.Vezir Kahraman.

8.3 "A New Synthesis Method for L-3,4-Dihidroksifenilalanine by Bakers Yeast", TUBİTAK: TBAG 1332 , Haziran 2000, Prof.Dr. Kemal Yelekçi, Prof.Dr.Haluk Hamamcı , Sevim Karataş, M.Vezir Kahraman.

8.4 "Etil-2-Nitro-3-(3,4-Dimetoksi Fenil)-2-Propenoat'ın Sentezi" Marmara Üniversitesi Araştırma Fonu : 1999/FE-2 nolu proje, Prof.Dr. Kemal Yelekçi.

8.5 "Kist Hidatik (Echinococcus Granulasus) Hastalığı İçin Yeni İlaç Tasarımları "Marmara Üniversitesi Araştırma Fonu : 1999/Fen-16 nolu proje, Prof.Dr. Kemal Yelekçi,

8.6 "Kist Hidatik (Echinococcus Granulasus) Hastalığının Tedavisinde Kullanılmak, Üzere Mebendazol (5-Benzoil-1H-Benzimidazol-2-il) Metil Ester'in Metil Türevinin Sentezi", Marmara Üniversitesi Araştırma Fonu : 2000/ FE-5 notlu proje, Prof. Dr. Kemal Yelekçi, Sibel Atalay.

TÜBİTAK-1003. 2015S009 "Development of Novel Synthetic Agents for Prostate Cancer Treatment." Researcher (**2016-2020**)

COST Action. (CM1406) "Epigenetic Chemical Biology (EPICHEM)". Member. (**2015-2018**)

FP7. Marie Curie Initial Training Networks (**ITN**). Call: FP7-PEOPLE-2013-ITN. Project ID: 608381. "Training in Neurodegeneration, Therapeutics Intervention & Neurorepair – TINTIN". Project member. (**2013-2017**)

İSTKA. "Establishment of Networking between Academia and Drug Companies and organization of a new Technology Center for a novel drug discovery, development and knowledge sharing- İlaç Temel Araştırma Merkezi – **İTAM**". Project member. (**2012-2013**)

COST Action CM1103. "Structure-based drug design for diagnosis and treatment of neurological diseases: dissecting and modulating complex function in the monoaminergic systems of the brain". Member. (**2011-2015**)

TÜBİTAK-TBAG 211T100. "In Silico Design of Selective Neuronal Nitric Oxide Synthase (nNOS) Inhibitors in Order to Prevent Neurodegenerative Diseases". Project Director. (**2012-2013**)

TÜBİTAK 1007 (105G01) . "Drug research and development for hereditary diseases caused by erroneous RNA splicing". Researcher (**2006-2009**)

FP6-MOBILITY. "Characterisation of Mitochondrial Proteins in Brain". Researcher. (**2006-2010**)

TÜBİTAK-TBAG 108T232 "Design of new pyrazoline derivatives using molecular modelling; synthesis and determination of their inhibition kinetics by computational and experimental techniques". Principal investigator. (**2008-2010**)

TÜBİTAK-TBAG 1332 194T033 "Ekmek Mayası (Saccharomyces Cerevisiae) Yardımı ile L-3,4-Dihidroksifenil Alanin (L-Dopa) için Yeni Bir Sentez Yöntemi". Principal investigator.(**2000-2004**)

TÜBİTAK-TBAG 520 "Melia Azedarach L. (Tesbih ağacı) Meyvelerinin Özütlerinden İzole Edilen Etkin Maddeler ve Pamuk Zararlıları Üzerine Etkileri". Investigator. (**1983-1986**)

9. İdari Görevler

9.1 EGE ÜNİVERSİTESİ

9.1.1 Bölüm Başkan Yardımcısı (Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, Bornova-İZMİR), 8.9.1988-.10.1989.

9.2 MARMARA ÜNİVERSİTESİ, FEN EDEBİYAT FAKÜLTESİ

9.2.1 Dekan Yardımcısı, 15.8.1991-31.12.1992.
9.2.2 Kimya Bölüm Başkan Yardımcısı 28.09.1994- 10.03. 1998.
9.2.3 Kimya Bölüm Başkanı 11.03.1988- 15.11.2000
9.2.4 Döner Sermaye İşletme Müdürü 1.01.1992- 1995.
9.2.5 Organik Kimya Anabilim Dalı Başkanı 20.09.1994-01.11.2000.
9.2.6 Fen Edebiyat Fakültesi DEKANI 15.09.1998- 16.07.2001

9.3 KADİR HAS ÜNİVERSİTESİ, FEN EDEBİYAT FAKÜLTESİ

9.3.1 Rektör Yardımcısı (17.07.2001- 18.12.2003).
9.3.2 Fen Edebiyat Fakültesi DEKANI (17.07.2001- 01.03.2006).
9.3.3 Fen Bilimleri Enstitüsü Müdürlüğü (2004- 01.03.2006).
9.3.4 Mühendislik ve Doğa Bilimleri Fakültesi (Fakülte Kurulu ve Yönetim Kurulu üyeliği).
9.3.5 Biyoinformatik ve Genetik Bölüm Başkanlığı (2012-halen).

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

10.1 Türk Kimya Derneği Üyesi

10.2 ODTÜ İstanbul Mezunlar Derneği Üyesi

10.3 Amerikan Kimya Derneği Üyesi (ACS)

11. Ödüller

11.1 NATO (Araştırma Projesi, 1995-1997)

11.2 NIH (National Institues of Health) bursu (doktora sonrası çalışma için).

11.3 FULBRIGHT Bursu (Amerika Birleşik Devletleri'nde doktora yapmak için).

11.4 DAAD Bursu (Goethe Enstitüsü'de Almanca öğrenmek için).

11.5 Yüksek Şeref Öğrencisi (Üniversite 4.sınıf).

11.6 Şeref Öğrencisi (Üniversite 3.sınıf).

11.7 2008 Yılı Novartis Farmasötik ve Medisinal Kimya İlaç Tasarım ve Geliştirme Ödülü.

11.8 Kadir Has Üniversitesi, Akademik Ödül, 2014.

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			T	U	
2018-2019	Güz	Organic Chemistry I	3		30
		Pharmacophor Modeling	3		25
		Introduction to Bioinformatics (Yüksek Lisans)	3		12
		Advanced Bioinformatics (Doktora)	3		4
	Bahar	Organic Chemistry of Drug Design and Drug Action (Yüksek Lisans)	3		12
		Organic Chemistry II	3	2	30

2019–2020	**Güz**	Pharmacophor Modeling	3		20
		Introduction to Bioinformatics (Yüksek Lisans)	3		14
		Organic Chemistry I	3		32
		Advanced Bioinformatics (Doktora)	3		4
	Bahar	Organic Chemistry of Drug Design and Drug Action (Yüksek Lisans)	3		12
		Organic Chemistry II	3	2	30