

# Prof. Çiğdem YOLAÇAN

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## Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 1998 - 2003

Postgraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 1996 - 1998

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 1992 - 1996

## Research Areas

Chemistry, Organic Chemistry, Chemistry of Asymmetric Synthesis, Chemistry of Heterocyclic Compounds, Organometallics, Natural Sciences

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 1997 - Continues

## Courses

Organik Kimyada Özel isimli Reaksiyonlar, Doctorate, 2017 - 2018

## Advising Theses

Yolaçan Ç., ASETİLKETEN İLE YENİ REAKSİYONLAR, Doctorate, M.Güleli(Student), 2019

Yolaçan Ç., GLİKOJEN SENTAZ KİNAZ-3 BETA İNHİBİTÖRÜ OLABİLECEK YENİ MALEİMİD TÜREVLERİNİN SENTEZİ, Postgraduate, E.Başak(Student), 2019

YOLAÇAN Ç., YENİ ASİMETRİK ORGANOKATALİZÖRLERİN TASARIMI VE ORGANİK REAKSİYONLARDAKİ UYGULAMALARI, Postgraduate, T.YORULMAZ(Student), 2016

YOLAÇAN Ç., Organik Reaksiyonlarda Mono- ve Dikasyonik Faz Transfer Katalizörlerinin Etkinliklerinin İncelenmesi, Postgraduate, A.Öge(Student), 2016

YOLAÇAN Ç., ASİMETRİK ORGANİK REAKSİYONLAR İÇİN ETKİLİ ORGANOKATALİZÖR TASARIMI, Postgraduate, M.KARAOĞLU(Student), 2016

YOLAÇAN Ç., Organik Reaksiyonlarda N-Heterosiklik Karbenlerin Katalizör Olarak Kullanımı, Postgraduate, M.Emrah(Student), 2016

YOLAÇAN Ç., Dipeptid Yapısındaki Organokatalizörlerin Asimetrik Organik Reaksiyonlardaki Uygulamaları, Postgraduate,

D.Gül(Student), 2016

YOLAÇAN Ç., Kiral Organokatalizör Sentezi ve Uygulamaları, Postgraduate, M.ÇİÇEK(Student), 2016

YOLAÇAN Ç., Nikotin ve Prolin Temelli Asimetrik Organokatalizörlerin Sentezi ve Uygulamaları, Postgraduate,

A.Özkan(Student), 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of novel coumarin-triazole hybrids and first evaluation of the 4-phenyl substituted hybrid loaded PLGA nanoparticles delivery system to the anticancer activity**  
ARVAS B., Ucar B., Acar T., Varli H. S., ARVAS M. B., AYDOĞAN F., YOLAÇAN Ç.  
Nanotechnology, vol.35, no.30, 2024 (SCI-Expanded)
- II. **A biocompatible and flexible supercapacitor for wearable electronic devices**  
Yazar Aydoğan S., Arvas B., Arvas M. B., Yolaçan Ç., Şahin Y.  
Journal of Energy Storage, vol.74, 2023 (SCI-Expanded)
- III. **T-cut slotted quartz tube-atom trap strategy for the on-line preconcentration of thallium in well water samples**  
Bombom M., Zaman B. T., DALGIÇ BOZYİĞİT G., Şaylan M., Bayraktar A., ARVAS B., YOLAÇAN Ç., BAKIRDERE S.  
Measurement: Journal of the International Measurement Confederation, vol.220, 2023 (SCI-Expanded)
- IV. **Preparation of Electrochemical Sensor for Paracetamol Detection Based on a New Piperazine Substituted Triazole-Coumarin Hybrid Doped PEDOT Modified Flexible HOPG Electrode**  
ARVAS B., YAZAR AYDOĞAN S., ARVAS M. B., Eglence-Bakır S., ŞAHİN M., YOLAÇAN Ç.  
ECS Journal of Solid State Science and Technology, vol.12, no.7, 2023 (SCI-Expanded)
- V. **Trace nickel determination in seawater matrix using combination of dispersive liquid-liquid microextraction and triethylamine-assisted Mg(OH)<sub>2</sub> method**  
Kublay İ. Z., KOÇOĞLU E. S., Ofly S., ARVAS B., YOLAÇAN Ç., BAKIRDERE S.  
Environmental Monitoring and Assessment, vol.195, no.7, 2023 (SCI-Expanded)
- VI. **Synthesis of Novel Hybrid Lonidamine-Coumarin Derivatives and Their Anticancer Activities**  
Ipek O. S., Sucu B. O., Gül Ş., Yolaçan Ç., Guzel M.  
Journal of Molecular Structure, vol.1281, 2023 (SCI-Expanded)
- VII. **New coumarin derivative with potential antioxidant activity: Synthesis, DNA binding and in silico studies (Docking, MD, ADMET)**  
Kecel-Gunduz S., KILINÇ Y., BIÇAK B., Gok B., Belmen B., AYDOĞAN F., YOLAÇAN Ç.  
Arabian Journal of Chemistry, vol.16, no.2, 2023 (SCI-Expanded)
- VIII. **Determination of trace cobalt ions in bottled drinking water samples from Fiji Island by spray-assisted fine droplet formation-liquid phase microextraction based on simultaneous complexation and extraction before flame atomic absorption spectrometer measurement**  
Sağsöz O., Arvas B., Zaman B. T., Bakirdere S., Yolaçan Ç.  
ENVIRONMENTAL MONITORING AND ASSESSMENT AN INTERNATIONAL JOURNAL DEVOTED TO PROGRESS IN THE USE OF MONITORING DATA IN ASSESSING ENVIRONMENTAL RISKS TO MAN AND THE ENVIRONMENT, vol.195, no.313, pp.1-32, 2023 (SCI-Expanded)
- IX. **An investigation of chiral diamides as organocatalysts in asymmetric aldol reaction**  
Yilmaz D. G., Aydoğan F., Yolaçan Ç.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.59, no.7, pp.1169-1179, 2022 (SCI-Expanded)
- X. **Computer-aided anticancer drug design: In vitro and in silico studies of new iminocoumarin derivative**  
Kecel-Gunduz S., Budama-Kilinc Y., Gok B., Biçak B., Akman G., Arvas B., Aydoğan F., Yolaçan Ç.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1239, 2021 (SCI-Expanded)
- XI. **Implementation of a spraying-assisted fine droplet formation-based simultaneous liquid-phase microextraction method for the determination of copper in clove extract samples**  
Bakaraki Turan N., Zaman B. T., Arvas B., Yolaçan Ç., Bakirdere S.

- CHEMICAL PAPERS, vol.75, no.6, pp.2929-2935, 2021 (SCI-Expanded)
- XII. **A new coumarin based Schiff base fluorescence probe for zinc ion**  
Arvas B, Ucar B, Acar T, Arvas M. B., Şahin Y., Aydoğan F., Yolaçan Ç.  
TETRAHEDRON, vol.88, 2021 (SCI-Expanded)
- XIII. **Pro-Phe Derivatives as Organocatalysts in Asymmetric Aldol Reaction**  
Karaoğlu M., Aydoğan F., Yolaçan Ç.  
Letters In Organic Chemistry, vol.18, no.3, pp.233-239, 2021 (SCI-Expanded)
- XIV. **Synthesis of New Di- and Triamides as Potential Organocatalysts for Asymmetric Aldol Reaction in Water**  
Keskin E., Yolaçan Ç., Aydoğan F.  
Acta Chimica Slovenica, vol.67, pp.1014-1023, 2020 (SCI-Expanded)
- XV. **New nanodrug design for cancer therapy: Its synthesis, formulation, in vitro and in silico evaluations**  
Budama-Kilinc Y., Kecel-Gunduz S., Ozdemir B., BIÇAK B., AKMAN G., ARVAS B., AYDOĞAN F., YOLAÇAN Ç.  
ARCHIV DER PHARMAZIE, vol.353, no.11, 2020 (SCI-Expanded)
- XVI. **Solvent Free Synthesis of N-Substituted Pyrrole Derivatives Catalyzed by Silica Sulfuric Acid**  
Khammas A. J., Yolaçan Ç., Aydoğan F.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.88, pp.2680-2683, 2018 (SCI-Expanded)
- XVII. **Synthesis of New Thiazolidine Based Organocatalysts and their Application to Asymmetric Aldol Reaction**  
Cicek M., Aydoğan F., Yolaçan Ç.  
LETTERS IN ORGANIC CHEMISTRY, vol.14, pp.778-786, 2017 (SCI-Expanded)
- XVIII. **New and effective proline-based catalysts for asymmetric aldol reaction in water**  
Yorulmaz T., Aydoğan F., Yolaçan Ç.  
SYNTHETIC COMMUNICATIONS, vol.47, pp.78-85, 2017 (SCI-Expanded)
- XIX. **Evaluation of mono- and dipeptides as organocatalysts for enantioselective aldol reaction**  
Yolaçan Ç., Mavis M. E., Aydoğan F.  
TETRAHEDRON, vol.70, pp.3707-3713, 2014 (SCI-Expanded)
- XX. **Investigation of Proline Amides and Pyridinium Salts as Catalyst for Direct Aldol Reactions in Water**  
Ozkan A., Mavis M. E., Aydoğan F., Yolaçan Ç.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.36, pp.326-331, 2014 (SCI-Expanded)
- XXI. **Clauson Kaas Pyrrole Synthesis Catalyzed by Acidic Ionic Liquid under Microwave Irradiation**  
AYDOĞAN F., YOLAÇAN Ç.  
JOURNAL OF CHEMISTRY, 2013 (SCI-Expanded)
- XXII. **Synthesis of alpha-aminonitriles catalyzed by montmorillonite K10 in the presence of dicationic phosphonium salt in water under ultrasonic effect**  
Yildirim C., YOLAÇAN Ç., AYDOĞAN F.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.1, pp.101-109, 2012 (SCI-Expanded)
- XXIII. **Solvent-free Michael addition of 2-cyclohexenone under ultrasonic irradiation in the presence of long chain dicationic ammonium salts**  
Öge A., Maviş M. E., Yolaçan Ç., Aydoğan F.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, pp.137-146, 2012 (SCI-Expanded)
- XXIV. **An investigation of the catalytic potential of mono- and dicationic imidazolium N-heterocyclic carbenes in the benzoin condensation**  
Mavis M. E., Yolaçan Ç., Aydoğan F.  
TETRAHEDRON LETTERS, vol.51, pp.4509-4511, 2010 (SCI-Expanded)
- XXV. **Long Chain Dicationic Phase Transfer Catalysts in the Condensation Reactions of Aromatic Aldehydes in Water Under Ultrasonic Effect**  
ESEN I., YOLAÇAN Ç., AYDOĞAN F.  
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.31, no.8, pp.2289-2292, 2010 (SCI-Expanded)
- XXVI. **Polymerization of 1-azabicyclo[4.2.0]octane with chiral tricyclic amino acid esters to obtain**

## biomedical materials

Yolaçan Ç., Kulu İ., Öcal N.

Chinese Journal Of Polymer Science, vol.28, no.1, pp.39-44, 2010 (SCI-Expanded)

- XXVII. **New and clean synthesis of N-substituted pyrroles under microwave irradiation**  
AYDOĞAN F., BASARIR M., YOLAÇAN Ç., DEMİR A.  
TETRAHEDRON, vol.63, no.39, pp.9746-9750, 2007 (SCI-Expanded)
- XXVIII. **Synthesis of new pyrazolothiazole derivatives from 4-thiazolidinones**  
Turgut Z., Yolacan C., Aydogan F., Bagdatli E., Ocal N.  
MOLECULES, vol.12, no.9, pp.2151-2159, 2007 (SCI-Expanded)
- XXIX. **Sulfur-nitrogen heterocycles from the condensation of pyrazolones and 2-iminothiazolidin-4-ones with phenyl isothiocyanate**  
Bagdatli E., Akkus S., YOLAÇAN Ç., Ocal N.  
JOURNAL OF CHEMICAL RESEARCH, no.5, pp.302-304, 2007 (SCI-Expanded)
- XXX. **Epibatidine alkaloid chemistry: 5. Domino-Heck reactions of azabicyclic and tricyclic systems**  
YOLAÇAN Ç., Bagdatli E., Öcal N., Kaufmann D. E.  
MOLECULES, vol.11, no.8, pp.603-614, 2006 (SCI-Expanded)
- XXXI. **Synthesis of some furo-thiazolidine derivatives starting from aldimines**  
Ocal N., AYDOĞAN F., Yolaçan Ç., Turgut Z.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.40, no.4, pp.721-724, 2003 (SCI-Expanded)
- XXXII. **Crystal structure of N-8-azanaphthylmethylene-4-chloroaniline**  
Ozturk S., Aygün M., Öcal N., YOLAÇAN Ç., Fun H. K.  
ANALYTICAL SCIENCES, vol.17, no.6, pp.797-798, 2001 (SCI-Expanded)
- XXXIII. **Transformations of aldimines derived from pyrrole-2-carbaldehyde. Synthesis of thiazolidino-fused compounds**  
AYDOĞAN F., Öcal N., Turgut Z., Yolaçan Ç.  
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.22, no.5, pp.476-480, 2001 (SCI-Expanded)
- XXXIV. **Transformations of Schiff Bases Derived from the Quinoline-8-Carbaldehyde. Synthesis of C-8 Substituted Quinolines**  
YOLAÇAN Ç., Kaban S., Vargas L. Y., Kouznetzov V. V.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, no.38, pp.233-236, 2001 (SCI-Expanded)
- XXXV. **Transformations of 4 N Arylamino 4 8 quinolinyl 1 butenes and 3 aryl 2 8 quinolinyl 4 thiazolidinones**  
Mendez L., Vj K., Poveda J., Yolaçan Ç., Öcal Sunguroğlu Z. N., Aydoğan F.  
Heterocyclic Communications, vol.7, pp.129-134, 2001 (SCI-Expanded)
- XXXVI. **Crystal structure of 3-(p-chlorophenyl)-5-methyl-2-(8-quinolinyl)-4-thiazolidinone, C<sub>19</sub>H<sub>16</sub>ClN<sub>2</sub>O<sub>2</sub>S**  
Ozturk S., Aygun M., Öcal N., YOLAÇAN Ç., Fun H. K.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.215, no.4, pp.526-528, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Design, synthesis and anti-oxidant activities of novel 1,2,3,4-tetrazine, 1,2,3-triazoles and coumarin derivatives and their nanoparticulate encapsulation**  
Eyilcim Ö., Belmen B., Çoksu I., Acar S., Yolaçan Ç., Günkara Ö. T.  
NANO EXPRESS, vol.1, no.1, pp.1-31, 2024 (ESCI)
- II. **Synthesis of New Pyrrolidine-1,2-dicarboxamides and Investigation of Their Activity for the Synthesis of Aminonitriles**  
Aydın Ö., YOLAÇAN Ç., AYDOĞAN F.  
American Chemical Science Journal, vol.12, pp.1-8, 2015 (Scopus)
- III. **Microwave-Assisted Synthesis And Characterization of Poly(1-Azabicyclo[4.2.0]octane) and Its**

### **Water-Soluble Derivatives**

Karabulut E., Özdemir Z., Yolaçan Ç., Sarıçay Y., Mustafaeva Z.

Hacettepe J. Biol. & Chem, vol.36, pp.319-328, 2008 (Peer-Reviewed Journal)

#### **IV. Molecular Structure of some 4-Thiazolidinones Derivatives**

Öztürk S., Aygün M., Öcal N., Yolaçan Ç.

Bulgarian Journal of Physics , vol.27, pp.67-68, 2000 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. SYNTHESIS OF NEW DRUG CANDIDATE SUBSTITUTED TRIAZOLE COUMARIN HYBRIDS**  
Kılıç D., Aydoğan F., Yolaçan Ç.  
Uluslararası 5. Bursa Bilimsel Araştırmalar Kongresi, Bursa, Turkey, 1 - 03 March 2024, pp.354-355
- II. DESIGN OF POTENTIALLY BIOACTIVE NEW COUMARIN DERIVATIVES AND THEIR APPLICATIONS**  
Taşkın S., Aydoğan F., Yolaçan Ç.  
Uluslararası 5. Bursa Bilimsel Araştırmalar Kongresi, Bursa, Turkey, 1 - 03 March 2024, pp.352-353
- III. Yeni Kumarin-Triazol Hibridlerinin Sentezi**  
Genç R. A., Aydoğan F., Yolaçan Ç.  
5th International Bursa Scientific Researchs Congress, Bursa, Turkey, 1 - 03 March 2024, pp.146-148
- IV. THE SYNTHESIS OF NEW COUMARIN DERIVATIVES**  
Güner S., Aydoğan F., Arvas B., Belmen B., Yolaçan Ç.  
INTERNATIONAL CONGRESS OF NEW HORIZONS IN SCIENCES, İstanbul, Turkey, 20 - 21 May 2023, pp.39
- V. A New Coumarin-Based Small-Molecule Fluorescent Probe for Zinc Ion**  
Arvas B., Uçar B., Acar T., Arvas M. B., Şahin Y., Aydoğan F., Yolaçan Ç.  
The Third Anatolian Conference on Organic Chemistry, Antalya, Turkey, 13 - 16 March 2023, pp.40
- VI. Design and Synthesis of Novel Triazole-Tethered Piperazine Coumarin Hybrids**  
Arvas B., Aydoğan F., Yolaçan Ç.  
11. İlaç Kimyası Kongresi, Antalya, Turkey, 9 March - 12 April 2023, pp.92
- VII. Synthesis and Applications of Novel Coumarin-Triazol Hybrid Compounds**  
Özkaymak M., Arvas B., Aydoğan F., Yolaçan Ç.  
11. International Drug Chemistry conference, Antalya, Turkey, 9 - 12 March 2023, pp.188
- VIII. Design and Synthesis of New Coumarin-Bistriazole Hybrids as Potensial Drug Candidates**  
Arvas B., Yolaçan Ç., Aydoğan F.  
8th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 15 - 17 December 2022, pp.1
- IX. Bazı ağır metallerin uzaklaştırılmasında organokillerin kullanımı**  
Sağ G., Arvas B., Yolaçan Ç., Kocaoba S.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.157
- X. Bazı organik bileşiklerin metal bağlanma özelliklerine etki eden parametrelerin incelenmesi**  
Demirkapı C., Arvas B., Yolaçan Ç., Kocaoba S.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.158
- XI. SYNTHESIS OF NEW DUAL DRUG CANDIDATES THAT MAY HAVE THERAPEUTIC EFFECT AND DETERMINATION OF THEIR BIOLOGICAL ACTIVITIES**  
Şavluğ Ö., Sucu B. O., Güzel M., Yolaçan Ç.  
10. Uluslararası İlaç Kimyası Kongresi, Antalya, Turkey, 10 - 13 March 2022, pp.1
- XII. New 1,2,3-Triazole-Coumarin Hybrids: Synthesis, Characterization and Investigation of Biological Activities**  
Arvas B., Aydoğan F., Yolaçan Ç.  
23rd JCF-Frühjahrssymposium, Leipzig, Germany, 29 March - 01 April 2021, pp.64
- XIII. Synthesis of Novel Biologically Active Coumarin Derivatives**  
Belmen B., Aydoğan F., Yolaçan Ç.

23rd JCF-Frühjahrssymposium, Leipzig, Germany, 29 March - 01 April 2021, pp.63

- XIV. **Kumarin Temelli Floresans Kemosensörler**  
Kandemir D., Arvas B., Aydoğan F., Erdoğan A., Yolaçan Ç.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.413
- XV. **Yeni Kumarin Türevlerinin Sentezi ve Floresans Özellikleri**  
Arvas B., Aydoğan F., Yolaçan Ç.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.365
- XVI. **BIOLOGICALLY IMPORTANT NEW CHIRAL COUMARIN DERIVATIVES: SYNTHESIS, CHARACTERIZATION AND INVESTIGATION OF THEIR PROPERTIES**  
Yolaçan Ç., Aydoğan F., Arvas B.  
/th Drug Chemistry Conference, Antalya, Turkey, 14 - 17 March 2019, pp.1
- XVII. **Enantiyoselektif Aldol Reaksiyonu ile Farmasötik Olarak Önemli Araürünlerin Etkin Sentezi**  
Yolaçan Ç., Aydoğan F.  
Uluslararası katılımlı 6. İlaç kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.65
- XVIII. **New Chiral Organo catalysts and Their Application in Asymmetric Aldol Reaction**  
Yolaçan Ç., Aydoğan F.  
3rd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES (3rd ITWCCST) , Baku, Azerbaijan, 10 - 13 September 2017, pp.181
- XIX. **Farmasötik Amaçlı Hedef Moleküllerin Hazırlanmasında Temel Motifler Olarak beta-Hidroksiketonların Enantioselektif Sentezi**  
ÇİÇEK M., AYDOĞAN F., YOLAÇAN Ç.  
Uluslararası Katılımlı 5.İlaç Kimyası Kongresi, 30 March - 02 April 2017
- XX. **Asimetrik Aldol Reaksiyonu için Yüksek Etkili Organokatalizör Tasarımı**  
Yolaçan Ç., Yorulmaz T., Aydoğan F.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.35
- XXI. **L-Prolin Temelli Kiral Dipeptid Bileşik Sentezi ve Katalitik Aktivite Çalışmaları**  
Keskin E., Yolaçan Ç., Aydoğan F.  
4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.23
- XXII. **Farmasötik öneme sahip bileşiklerin asimetrik sentezinde kirale organokatalizör kullanımı**  
Yolaçan Ç., Yılmaz D. G., Aydoğan F.  
4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.80
- XXIII. **Tetrahidroizokinolin Temelli Asimetrik Organokatalizörlerin Sentezi ve Uygulamaları**  
Yılmaz D. G., Aydoğan F., Yolaçan Ç.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.60
- XXIV. **İzatoik Anhidritten Türeyen Kiral Peptidlerin Sentezi ve Katalitik Aktivitelerinin İncelenmesi'**  
Yolaçan Ç., Keskin E., Aydoğan F.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.111
- XXV. **The Synthesis of Proline-Based Asymmetric Organocatalysts and Their Applications**  
Yorulmaz T., Aydoğan F., Yolaçan Ç.  
International Conference on New Trends In Chemistry, All In One Conferences, Dubai, United Arab Emirates, 24 - 28 March 2015, pp.1
- XXVI. **Synthesis of  $\beta$ -Hydroxycarbonyl Compounds", International Conference on New Trends In Chemistry**  
Karaoğlu M., Aydoğan F., Yolaçan Ç.  
All In One Conferences, Dubai, United Arab Emirates, 24 - 28 March 2015, pp.1
- XXVII. **Biyolojik Aktif Bileşik Öncülerinin Sentezi İçin Yeni Asimetrik Organokatalizör Tasarımı'**  
Yolaçan Ç., Karaoğlu M., Aydoğan F.  
3. İlaç Kimyası Kongresi, Antalya, Turkey, 19 - 22 March 2015, pp.69
- XXVIII. **L-Prolin Temelli Asimetrik Organokatalizörlerin Sentezi ve Uygulamaları**

- Yorulmaz T., Yolaçan Ç., Aydoğan F.  
3. İlaç Kimyası Kongresi, Antalya, Turkey, 19 - 22 March 2015, pp.68
- XXIX.  **$\beta$ -Hidroksiketonların Enantiyoselektif Sentezi için Organokatalizör Tasarımı**  
Çiçek M., Yolaçan Ç., Aydoğan F.  
2. Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.54
- XXX. **Development of Highly Efficient Organocatalysts for Asymmetric Direct Aldol Reactions**  
Yolaçan Ç., Maviş M. E., Aydoğan F.  
Blue Danube Symposium on Heterocyclic Chemistry, Olomouc, Czech Republic, 1 - 05 September 2013, pp.1
- XXXI. **Design of Organocatalysts for asymmetric direct aldol reactions**  
Maviş M. E., Aydoğan F., Yolaçan Ç.  
44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.751
- XXXII. **Investigation of Asymmetric Pyridinium Salts as Catalyst for Direct Aldol Reactions in Water'**  
Yolaçan Ç., Maviş M. E., Özkan A., Aydoğan F.  
Balticum Organicum Syntheticum, International Conference on Organic Synthesis, Tallinn, Estonia, 1 - 04 July 2012, pp.204
- XXXIII. **Asymmetric Aldol Reactions Catalysed By Proline Amide Derivatives**  
Aydoğan F., Özkan A., Yolaçan Ç.  
Balticum Organicum Syntheticum, International Conference on Organic Synthesis, Tallinn, Estonia, 1 - 04 July 2012, pp.53
- XXXIV. **Asimetrik Tek ve İki Merkezli Faz Transfer Katalizörlerinin Sentezi ve Uygulamaları**  
Özkan A., Aydoğan F., Yolaçan Ç.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.96
- XXXV. **Yeni Asimetrik İmin Yapısındaki Faz Transfer Katalizörlerinin Sentezi ve Uygulamaları', 25. Ulusal Kimya Kongresi, OP-248, Erzurum, 2011.**  
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- XXXVI. **Long Chain Dicationic Phase Transfer Catalysts in the Condensation Reactions of Aromatic Aldehydes in Water Under Ultrasonic Effect**  
Esen İ., Yolaçan Ç., Aydoğan F.  
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the 18th International Conference on Organic Synthesis, Bergen, Norway, 1 - 06 August 2010, pp.358
- XXXVIII. **'Gemini Yüzey Aktif Maddelerin Çeşitli Aromatik Aldehitlerin Kondenzasyon Reaksiyonlarındaki Katalitik Etkisinin İncelenmesi**  
Esen İ., Yolaçan Ç., Aydoğan F.  
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- XXXIX. **Kiral Piridinyum Tuzlarının Sentezi ve Organik Reaksiyonlardaki Etkinliklerinin İncelenmesi'**  
Maviş M. E., Karakoyun G., Aydoğan F., Yolaçan Ç.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.21
- XL. **Domino-Heck Type Reactions of N-Benzoyl-2-Azabicyclo[2.2.1]Hept-5-ene-3-one**  
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- L. **Hydroarylation Reactions of N-Protected 2-Azabicyclo[2.2.1]hept-5-ene-3-one and Subsequent Synthesis of Gaba Derivatives**  
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- LIV. **Wittig Reaktifi ile Bitişik Halkalı Tiyazolidin Türevlerinin Sentezi**  
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- LVII. **Convenient Route to Quinoline-tetrahydroquinolines from Quinolinecarboxaldehyde**  
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