

# Prof. Abdürrezzak Emin BOZDOĞAN

## Personal Information

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## Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat/Çevre, Turkey 1979 - 1984

## Research Areas

Chemistry, Analytical Chemistry, Chemometry, Natural Sciences

## Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Kimya, 1999 - Continues

## Advising Theses

BOZDOĞAN A. E. , PAMAM tipi dendrimerlerin mikrodalga yardımıyla sentezi ve analitik uygulamaları, Doctorate, A.Serol(Student), 2016

Tülü M., Bozdoğan A. E. , Mikrodalga Destekli Yeni PAMAM Türü Dentrimer Sentezi ve Analitik/Kemometrik Uygulamaları, Doctorate, A.Serol(Student), 2014

## Jury Memberships

Doctorate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, December, 2017

Doctorate, Doktora Tez Savunma Jürisi, Yıldız Teknik Üniversitesi , November, 2017

Appointment Academic Staff, Profesörlük Jürisi, Yıldız Teknik Üniversitesi , May, 2017

Appointment Academic Staff, Profesörlük Jürisi, Yıldız Teknik Üniversitesi , April, 2017

Associate Professor Exam, Doçentlik Sınavı Jürisi, Gazi Üniversitesi, March, 2017

Appointment Academic Staff, Profesörlük Jürisi, Yıldız Teknik Üniversitesi , February, 2017

Appointment Academic Staff, Profesörlük Jürisi, İstanbul Teknik Üniversitesi, February, 2017

## Designed Programs

Bozdoğan A. E. , San N., Peksel A., Under Graduate, Kimya Bölümü İngilizce Lisans Programı, 2014 - Continues

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. Application of Chemometrics-assisted HPLC-DAD Strategies for Simultaneous Determination of Paracetamol, Pseudoephedrine HCl, Dextromethorphan HBr, Doxylamine Succinate and Saccharin in

## **Syrup Formulation**

Dinç Zor Ş., Aksu Dönmez Ö., Bozdoğan A. E.

Current Pharmaceutical Analysis, vol.2020, no.16, pp.1-8, 2020 (Journal Indexed in SCI Expanded)

- II. **Quantitative Analysis of Food Additives in a Beverage using High Performance Liquid Chromatography and Diode Array Detection Coupled with Chemometrics**  
Donmez O. A. , Dinc-Zor S., AŞCI B., BOZDOĞAN A. E.  
JOURNAL OF AOAC INTERNATIONAL, vol.103, no.3, pp.779-783, 2020 (Journal Indexed in SCI)
- III. **New Equations for Lattice and Electronic Heat Capacities, Enthalpies, and Entropies of Solids: Application to Diamond**  
Bozdoğan A. E. , Bozdogan I. S.  
ACTA PHYSICA POLONICA A, vol.135, pp.674-677, 2019 (Journal Indexed in SCI)
- IV. **New Kinetic Theory and New Equations for Lattice and Electronic Heat Capacities, Enthalpies and Entropies of Solids: Application to Tungsten**  
Bozdoğan A. E.  
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.213-216, 2018 (Journal Indexed in SCI)
- V. **Evaluation of Jeffamine (R) Core PAMAM Dendrimers for Simultaneous Removal of Divalent Heavy Metal Ions from Aqueous Solutions by Polymer Assisted Ultrafiltration**  
Erturk A. S. , GÜRBÜZ M. U. , TÜLÜ M., BOZDOĞAN A. E.  
ACTA CHIMICA SLOVENICA, vol.65, no.1, pp.65-74, 2018 (Journal Indexed in SCI)
- VI. **Multivariate optimization of dispersive liquid-liquid microextraction for the determination of paclobutrazol and triflumizole in water by GC-MS**  
Chormey D. S. , Karakuş Y., Karayaka S., Özsöyler Ç., Bozdoğan A. E. , Bakırdere S.  
JOURNAL OF SEPARATION SCIENCE, vol.40, pp.4541-4548, 2017 (Journal Indexed in SCI)
- VII. **Chemometric approach integrated with capillary electrophoresis for the investigation of public water system sources and quality**  
Erturk A. S. , GÖDE F., BOZDOĞAN A. E.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.14, no.11, pp.2459-2470, 2017 (Journal Indexed in SCI)
- VIII. **New Kinetic Theory for Absorption and Emission Rates of Radiation and New Equations for Lattice and Electronic Heat Capacities, Enthalpies and Entropies of Solids: Application to Copper**  
BOZDOĞAN A. E.  
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.519-526, 2017 (Journal Indexed in SCI)
- IX. **Application of chemometric methods to the purity analysis of PAMAM dendrimers**  
Erturk A. S. , Bozdogan A. E. , Tulu M.  
CHEMICAL PAPERS, vol.71, no.1, pp.127-135, 2017 (Journal Indexed in SCI)
- X. **Preparation of Cu Nanocomposites from EDA, DETA, and Jeffamine Cored PAMAM Dendrimers with TRIS and Carboxyl Surface Functional Groups**  
Erturk A. S. , GÜRBÜZ M. U. , TÜLÜ M., BOZDOĞAN A. E.  
ACTA CHIMICA SLOVENICA, vol.63, no.4, pp.763-771, 2016 (Journal Indexed in SCI)
- XI. **CHARACTERIZATION OF Co(II)-PAMAM DENDRIMER COMPLEXES WITH POLYPROPYLENE OXIDE CORE BY USING UV-VIS SPECTROSCOPY**  
Erturk A. S. , GÜRBÜZ M. U. , TÜLÜ M., BOZDOĞAN A. E.  
Macedonian Journal of Chemistry and Chemical Engineering, vol.35, no.2, pp.263-270, 2016 (Journal Indexed in SCI)
- XII. **Water-soluble TRIS-terminated PAMAM dendrimers: microwave-assisted synthesis, characterization and Cu(II) intradendrimer complexes**  
Erturk A. S. , GÜRBÜZ M. U. , TÜLÜ M., BOZDOĞAN A. E.  
RSC ADVANCES, vol.5, no.74, pp.60581-60595, 2015 (Journal Indexed in SCI)
- XIII. **Microwave assisted synthesis of Jeffamine cored PAMAM dendrimers**  
Erturk A. S. , TÜLÜ M., BOZDOĞAN A. E. , Parali T.  
EUROPEAN POLYMER JOURNAL, vol.52, pp.218-226, 2014 (Journal Indexed in SCI)

- XIV. **CHROMATOGRAPHIC AND CHEMOMETRICS-ASSISTED SPECTROPHOTOMETRIC METHODS FOR THE SIMULTANEOUS DETERMINATION OF ALLOBARBITAL, ADIPHENINE HYDROCHLORIDE, AND PARACETAMOL IN SUPPOSITORY**  
Dinc S., Donmez O. A. , AŞCI B., BOZDOĞAN A. E.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.37, no.4, pp.560-571, 2014 (Journal Indexed in SCI)
- XV. **Spectrophotometric Multicomponent Resolution of a Tablet Formulation Containing Lisinopril and Hydrochlorothiazide by Multivariate Calibration Methods**  
Dinc S., DONMEZ O. A. , ASCI B., BOZDOĞAN A. E.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.2, pp.999-1002, 2013 (Journal Indexed in SCI)
- XVI. **Experimental design of reversed-phase high performance liquid chromatographic conditions for simultaneous determination of ibuprofen, pseudoephedrine hydrochloride, chlorpheniramine maleate, and nipagen**  
AŞCI B., Donmez O. A. , BOZDOĞAN A. E. , SUNGUR S.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.65, no.7, pp.743-748, 2010 (Journal Indexed in SCI)
- XVII. **Spectrophotometric Multicomponent Analysis of a Mixture of Chlorhexidine Hydrochloride and Lidocaine Hydrochloride in Pharmaceutical Formulation Using Derivative Spectrophotometry and Partial Least-Squares Multivariate Calibration**  
Donmez O. A. , BOZDOĞAN A. E. , KUNT G., DIV Y.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.65, no.1, pp.30-35, 2010 (Journal Indexed in SCI)
- XVIII. **Abilities of Partial Least-Squares (PLS-2) Multivariate Calibration in the Analysis of Quaternary Mixture of Food Colors (E-110, E-122, E-124, E-131)**  
Özgür M., Gümürkçü Köse G., Keser Karaoğlan G., Bozdoğan A. E. , Aşçı B.  
Analytical Letters, vol.10, no.40, pp.1893-1903, 2007 (Journal Indexed in SCI Expanded)
- XIX. **Spectrophotometric multicomponent analysis of a mixture of triprolidine hydrochloride and pseudoephedrine hydrochloride in pharmaceutical formulations by partial least-squares multivariate calibration**  
Donmez O. A. , Bozdogan A. E. , Kunt G., Div Y.  
CHEMIA ANALITYCZNA, vol.52, pp.135-140, 2007 (Journal Indexed in SCI)
- XX. **SIMULTANEOUS DETERMINATION OF DAZOMET AND PROPANIL BY PARTIAL LEAST SQUARES (PLS-2) AND ZERO-CROSSING DERIVATIVE SPECTROPHOTOMETRY METHODS**  
Özgür M., Turak F., Erçağ A., Bozdoğan A. E.  
Reviews In Analytical Chemistry, vol.2, no.25, pp.117-128, 2006 (Journal Indexed in SCI Expanded)
- XXI. **Nickel(II) and copper(II) complexes of Schiff base derived from isatin with 4-ethylaniline**  
ERCAG A., Turak F., Ozgur M., Bozdogan A. E.  
ASIAN JOURNAL OF CHEMISTRY, vol.18, no.2, pp.1183-1190, 2006 (Journal Indexed in SCI)
- XXII. **Simultaneous determination of mepyramine maleate, lidocaine hydrochloride, and dexpanthenol in pharmaceutical preparations by partial least-squares multivariate calibration**  
Aksu O., Bozdogan A. E. , KUNT G.  
ANALYTICAL LETTERS, vol.39, no.4, pp.751-761, 2006 (Journal Indexed in SCI)
- XXIII. **Simultaneous determination of dazomet and propanil by partial least squares (PLS-2) and zero-crossing derivative spectrophotometry methods**  
Turak F., Ozgur M. U. , ERCAG A., Bozdogan A. E.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.25, no.4, pp.295-306, 2006 (Journal Indexed in SCI)
- XXIV. **The resolution of ternary mixtures of dyes by partial least-squares multivariate spectrophotometric calibration and derivative spectrophotometry**  
Ozgur M., Koyuncu I., Bozdogan A. E.  
CHEMIA ANALITYCZNA, vol.50, no.3, pp.605-614, 2005 (Journal Indexed in SCI)
- XXV. **A method for determination of thermodynamic and solubility parameters of polymers from temperature and molecular weight dependence of intrinsic viscosity**  
Bozdogan A. E.

- POLYMER, vol.45, no.18, pp.6415-6424, 2004 (Journal Indexed in SCI)
- XXVI. **A method for determination of thermodynamics and solubility parameters of polymers in dilute solutions from critical volume fractions**  
Bozdogan A. E.  
POLYMER, vol.44, no.20, pp.6427-6430, 2003 (Journal Indexed in SCI)
- XXVII. **Simultaneous determination of anthocyanin and ponceau 4R in drink powders by derivative spectrophotometry and partial least-squares multivariate spectrophotometric calibration**  
Ozgur M., Bozdogan A. E., ERCAG A., Koyuncu I.  
MONATSHEFTE FUR CHEMIE, vol.132, no.6, pp.669-673, 2001 (Journal Indexed in SCI)
- XXVIII. **Simultaneous determination of sunset yellow and Ponceau 4R in gelatin powder by derivative spectrophotometry and partial least-squares multivariate spectrophotometric calibration**  
Bozdogan A. E., Ozgur M., Koyuncu I.  
ANALYTICAL LETTERS, vol.33, no.14, pp.2975-2982, 2000 (Journal Indexed in SCI)
- XXIX. **A method for the determination of the kinetic parameters relevant to atom formation processes in electrothermal atomic absorption spectrometry**  
Bozdogan A. E.  
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.54, pp.557-569, 1999 (Journal Indexed in SCI)
- XXX. **Protonation and coordinative properties of 14-membered tetraaza macrocycles linked to phthalocyanines**  
AVCIATA U., Bozdogan A. E., KOCAK M., GUL A., OKUR A., BEKAROGLU O.  
MONATSHEFTE FUR CHEMIE, vol.130, no.2, pp.283-293, 1999 (Journal Indexed in SCI)
- XXXI. **Synthesis of 4'-acetyl(benzo-15-crown-5)-oxime and its complexes with copper(II), nickel(II), cobalt(II) and uranyl(VI)**  
AVCIATA U., DEMIRHAN N., Bozdogan A. E.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.28, no.3, pp.393-403, 1998 (Journal Indexed in SCI)
- XXXII. **Simultaneous determination of theobromine and caffeine in cocoa by partial least-squares multivariate spectrophotometric calibration**  
Aksu O., Bozdogan A. E., KUNT G.  
ANALYTICAL LETTERS, vol.31, no.5, pp.859-866, 1998 (Journal Indexed in SCI)
- XXXIII. **INVESTIGATIONS OF THE INTERACTION OF 4',5'-BIS(SALICYLIDENEIMINO) BENZO-15-CROWN-5 WITH TRANSITION AND ALKALI METAL IONS AND THE URANYL CATION**  
Avciata U., BOZDOĞAN A. E., Koçak M., Gül A., Bekaroglu O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.35, pp.319-323, 1995 (Journal Indexed in SCI)
- XXXIV. **CONDUCTIMETRIC TITRATION OF DICARBOXYLIC-ACIDS IN 1-PROPANOL**  
BOZDOGAN A. E., OZEROGLU C., KUNT G., SARAC S.  
REVUE ROUMAINE DE CHIMIE, vol.38, no.12, pp.1415-1419, 1993 (Journal Indexed in SCI)
- XXXV. **SIMULTANEOUS DETERMINATION OF ACETAMINOPHEN AND CAFFEINE IN TABLET PREPARATIONS BY PARTIAL LEAST-SQUARES MULTIVARIATE SPECTROPHOTOMETRIC CALIBRATION**  
BOZDOGAN A. E., ACAR A., KUNT G.  
TALANTA, vol.39, no.8, pp.977-979, 1992 (Journal Indexed in SCI)
- XXXVI. **SIMULTANEOUS DETERMINATION OF ACETAMINOPHEN AND PHENOBARBITAL IN SUPPOSITORIES BY PARTIAL LEAST-SQUARES SPECTROPHOTOMETRIC CALIBRATION**  
BOZDOGAN A. E., KUNT G., ACAR A.  
ANALYTICAL LETTERS, vol.25, no.11, pp.2051-2058, 1992 (Journal Indexed in SCI)
- XXXVII. **Use of piecewise cubic splines for calculation of the equivalence volume in potentiometric precipitation titrations and comparison with Ekvol, Quoteq and Gran II methods**  
BOZDOĞAN A. E.  
TURKISH JOURNAL OF CHEMISTRY, vol.15, pp.252-262, 1991 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **DETERMINATION OF THE STABILITY CONSTANTS OF THE PROTON AND Co(II), Ni(II), Cu(II), Zn(II), Fe(III) COMPLEXES OF 3,5-DIMETHYL TETRAHYDRO-1,3,5-THIADIAZINE-2-THIONE BY THE POTENTIOMETRIC METHOD**  
Özgür M., Erçağ A., Turak F., Bozdoğan A. E.  
Journal of Engineering and Natural Sciences Mühendislik ve Fen Bilimleri Dergisi Sigma , vol.4, no.25, pp.359-366, 2008 (National Refreed University Journal)
- II. **Comparison of partial least-squares multivariate spectrophotometric and derivative spectrophotometric method for the determination of food dyes sunset yellow (E-110) and tartrazine (E-102) in powder drinks**  
Koyuncu İ., Özgür M., Bozdoğan A. E.  
, Institute of Science & Technology, India, vol.13, no.1, pp.19-23, 2003 (Refereed Journals of Other Institutions)
- III. **Simultaneous Determination of Theophylline, Theobromine and Caffeine in Tea by Partial Least Squares Multivariate Spectrophotometric Calibration**  
Aksu Dönmez Ö., BOZDOĞAN A. E. , Kunt G.  
International journal of chemistry, vol.13, no.1, pp.45-48, 2003 (Refereed Journals of Other Institutions)
- IV. **Simultaneous determination of ternary mixtures of pesticides and herbicides (amitrole, dazomet, and propanil) by multivariate spectral analysis and derivative spectrophotometry**  
ÖZGÜR M., TURAK F., BOZDOĞAN A. E. , ERCAG A.  
International Journal of Chemistry, vol.13, no.3, pp.163-169, 2003 (Refereed Journals of Other Institutions)
- V. **Determination of the end points in titrations of mixture of acids using piece cubic splines and comparison with the intersecting straight lines**  
BOZDOĞAN A. E.  
TURKISH JOURNAL OF CHEMISTRY, vol.16, pp.112-118, 1992 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Factorial design in the optimization of preconcentration procedure for Aluminum determination by AAS**  
DİNÇ ZOR Ş., BOZDOĞAN A. E. , ALPDOĞAN G., ASCI B., SUNGUR S.  
in: Innovations in Chemical Biology, Sener,B, Editor, Springer,Po Box 17,3300Aa, Dordrecht,Netherlands, Dordrecht, pp.313-317, 2009

## Refereed Congress / Symposium Publications in Proceedings

- I. **Simultaneous Determination of Sodium Benzoate, Sunset Yellow, Methyl Paraben and Pseudoephedrine HCl in Syrups by Using HPLC-DAD Coupled With Partial Least Squares Multivariate Calibration**  
Şen E., AŞCI B., DİNÇ ZOR Ş., AKSU DÖNMEZ Ö., BOZDOĞAN A. E.  
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1399
- II. **Simultaneous Determination of Sodium Benzoate, Sunset Yellow, Methyl Paraben and Pseudoephedrine HCl in Syrups by Using HPLC-DAD Coupled With Partial Least Squares Multivariate Calibration**  
Şen E., Aşçı B., Dinç Zor Ş., Aksu Dönmez Ö., Bozdoğan A. E.  
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 April 2018, pp.1399
- III. **Simultaneous Determination of Selected Hormones, Endocrine Disruptive Compounds and Pesticides**

**in Water Samples by GC-MS after Dispersive Liquid-Liquid Microextraction**

Chormey D. S. , TURAK F., BOZDOĞAN A. E. , Komesli O. T. , BÜYÜKPINAR Ç., BAKIRDERE S.  
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September 2016, pp.35

- IV. **Mikrodalga Destekli PAMAM Türü Dendrimerlerin Sentezi Yüzey Modifikasyonu ve Analitik Uygulamaları**  
TÜLÜ M., ERTÜRK A. S. , BOZDOĞAN A. E.  
5. Fiziksel Kimya Kongresi, Konya, Turkey, 16 - 19 May 2015, vol.1, pp.17
- V. **Jeffamine Çekirdekli Dendrimer Kapsüllenmiş Metal Nanoparçacıkların Sentezi ve UV Vis Karakterizasyonu**  
TÜLÜ M., ERTÜRK A. S. , BOZDOĞAN A. E.  
5. Fiziksel Kimya Kongresi, Konya, Turkey, 16 - 19 May 2015, vol.1, pp.55
- VI. **Synthesis Of Dendritic Macromolecules And Their Metal Complexation Studies**  
TÜLÜ M., ERTÜRK A. S. , BOZDOĞAN A. E.  
44 World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, vol.1, pp.517
- VII. **Determination of Different Generations from Binary Mixture of Jeffamine Cored PAMAM Dendrimers by UV-VIS Spectroscopy**  
Tülü M., BOZDOĞAN A. E.  
2nd International Conference on New Trends in Chemometrics and Applications, 01 October 2013, pp.62
- VIII. **Principal Component and Hierarchical Cluster Analysis for the Detection of the Origin of Water Samples Based on Determination of Four Anions Using Capillary Electrophoresis**  
Göde F., BOZDOĞAN A. E.  
2nd International Conference on New Trends in Chemometrics and Applications, 01 October 2013, pp.58
- IX. **Selective Metal Complexation Of Novel Dendritic Macromolecules**  
ERTÜRK A. S. , PARALI T., BOZDOĞAN A. E. , TÜLÜ M.  
44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, vol.2, pp.1276
- X. **Selective Metal Complexation Of Novel Dendritic Macromolecules**  
Gürbüz M. U. , Parali T., BOZDOĞAN A. E. , Tülü M.  
44th World Chemistry Congress, 01 August 2013
- XI. **Synthesis Of Dendritic Macromolecules And Their Metal Complexation Studies**  
Ertürk A. S. , BOZDOĞAN A. E.  
44th World Chemistry Congress, 01 August 2013
- XII. **Determination of the Proton Binding Constants of Dendrimers with Hyperquad**  
BOZDOĞAN A. E. , Tülü M.  
44th World Chemistry Congress, 01 August 2013
- XIII. **Simultaneous Determination of Different Generation PAMAM Dendrimer Mixtures with UV-VIS Spectroscopy**  
Tülü M., BOZDOĞAN A. E.  
XIII Ulusal Spektroskopi Kongresi, 01 May 2013, pp.177
- XIV. **Spectroscopic Determination of the Proton Binding Constants of PAMAM Dendrimers**  
Tülü M., BOZDOĞAN A. E.  
XIII Ulusal Spektroskopi Kongresi, 01 May 2013, pp.176
- XV. **PAMAM Tipi Dendrimerlerde Yüzey Modifikasyonu**  
Paralı T., BOZDOĞAN A. E. , Tülü M.  
26. Ulusal Kimya Kongresi, 01 October 2012
- XVI. **PAMAM Dendrimerlerin İlaç Salınım Sistemleri Uygulamaları**  
Paralı T., Tülü M., BOZDOĞAN A. E.  
26. Ulsal Kimya Kongresi, 01 October 2012
- XVII. **PAMAM Dendrimerlere Metal Bağlanımın Spektroskopik Tespiti**  
Paralı T., BOZDOĞAN A. E. , Tülü M.  
26. Ulusal Kimya Kongresi, 01 October 2012
- XVIII. **Simultaneous Determination of Allobarbitol, Adiphenine HCl and Paracetamol by HPLC Using**

## Experimental Design

Dinç Ş., Aksu Dönmez Ö., Aşçı B., Bozdoğan A. E.

First International Conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 8 - 11 October 2011, pp.51

- XIX. **Simultaneous Determination of Potassium guaiacolsulfonate, Guaifenesin, Diphenhydramine HCl and Carbetapentane citrate in Syrups by using HPLC-DAD Coupled with Partial Least Squares Multivariate Calibration**  
Aksu Dönmez Ö., Aşçı B., Bozdoğan A. E. , Sungur S.  
1st international conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 8 - 11 October 2011, pp.40
- XX. **İlaç preparatlarındaki Adifenin Hidroklorür,Allobarbitol ve Parasetamolün Çok değişkenli kalibrasyon yöntemleri ile bir arada tayini**  
BOZDOĞAN A. E.  
XII.Ulusal spektroskopi Kongresi, 01 May 2011
- XXI. **Saç Bakım Ürünleri Performans Testleri**  
DİNÇ Ş., BOZDOĞAN A. E. , Avcıata U.  
1. Kozmetik Kimyası, Üretimi, Standardizasyonu Kongresi, Antalya, Turkey, 18 - 21 February 2011
- XXII. **SAÇ BAKIM ÜRÜNLERİ PERFORMANS TESTLERİ**  
DİNÇ ZOR Ş., BOZDOĞAN A. E. , Avcıata U.  
1. Kozmetik Kimyası, Üretimi, Standardizasyonu Kongresi, Antalya, Turkey, 18 February 2011, pp.1
- XXIII. **Spectrophotometric Multicomponent Resolution of a Tablet Formulation Containing Lisinopril and Hydrochlorothiazide by Multivariate Calibration Methods**  
DİNÇ Ş., AKSU DÖNMEZ Ö., AŞÇI B., BOZDOĞAN A. E.  
7th Aegean Analytical Chemistry Days, Lesvos, Greece, 29 September - 03 October 2010, pp.188
- XXIV. **İlaç Preparatlarındaki Adifenin Hidroklorür, Allobarbitol ve Parasetamolün Çok Değişkenli Spektrofotometrik Kalibrasyon Yöntemleri ile Birarada Tayini**  
DİNÇ Ş., AKSU DÖNMEZ Ö., AŞÇI B., BOZDOĞAN A. E.  
XII. Ulusal Spektroskopi Kongresi, Antalya, Turkey, 18 - 22 May 2011
- XXV. **Factorial Design in the Optimization of Preconcentration Procedure for Aluminum Determination by AAS**  
Dinc S., Bozdoğan A. E. , Alpdogan G., Asci B., Sungur S.  
9th Eurasia Conference on Chemical Sciences, Antalya, Turkey, 9 - 13 September 2006, pp.313-317
- XXVI. **Simultaneous Spectrophotometric Determination of Iron and Molybdenum in Ferro-Molybdenum Alloys by Multivariate Calibration Methods**  
Erman Y., AKSU DÖNMEZ Ö., AŞÇI B., DİNÇ Ş., Sungur S., BOZDOĞAN A. E.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008, pp.272
- XXVII. **Cu(II) ve Fe(II)'nin Özenleştirilmesinde Faktöriyel Tasarım ile Optimizasyon**  
DİNÇ Ş., AŞÇI B., BOZDOĞAN A. E. , Sungur S.  
22. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008
- XXVIII. **Simultaneous Determination of Colorant Mixtures used in Powder Drinks by Principal Component Regression Multivariate Calibration Method**  
Aşçı B., Aksu Dönmez Ö., Özgür M., Bozdoğan A. E.  
6th Aegean Analytical Chemistry, Denizli, Turkey, 9 - 12 October 2008, pp.230
- XXIX. **Parasetamol, Kafein, Propifenazon İçeren Tabletlerin HPLC ile Analizinin Faktöriyel Tasarım ile Optimizasyonu**  
Eral S., Alpdogan G., Aşçı B., Bozdoğan A. E.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 06 October 2008 - 10 October 2009, pp.27
- XXX. **Portland Çimentosundaki Alüminyum ve Demir Miktarının Çoklu Kalibrasyon Teknikleri Kullanılarak Spektrofotometrik Tayini**  
Tataroğlu C., Aksu Dönmez Ö., Aşçı B., Bozdoğan A. E. , Sungur S.  
XXII Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008, pp.84

- XXXI. **Determination of Ibuprofen, Pseudoephedrine HCl, Chlorpheniramine Maleate and Nipagine by Liquid Chromatography and Factorial Design Study**  
Aşçı B., Aksu Dönmez Ö., Sungur S., Bozdoğan A. E.  
9th Eurasia Conference on Chemical Science, Antalya, Turkey, 09 September 2006, pp.285-290
- XXXII. **Factorial Design in the Optimization of Preconcentration Procedure for Aluminium Determination by AAS**  
Dinç Zor Ş., Bozdoğan A. E. , Alpdoğan G., Aşçı B., Sungur S.  
9th Eurasia Conference on Chemical Sciences (EuAsC2S-9), Antalya, Turkey, 9 - 13 September 2006, pp.313-317
- XXXIII. **Comparison of Derivative Spectrophotometry and Partial Least-Squares (PLS-1) Calibration for the Determination of Caffeine in Energy Drinks**  
Aksu Dönmez Ö., Özgür M., Bozdoğan A. E.  
9th Eurasia Conference on Chemical Sciences, Antalya, Turkey, 09 September 2006, pp.291-298
- XXXIV. **Abilities of Partial Least Squares (PLS-2) Multivariate Calibration in the Analysis of Quaternary Mixture of Food Dyes (E-110, E-122, E-124, E-131)**  
Keser Karaoğlan G., Gümrükçü Köse G., Özgür M., Bozdoğan A. E.  
3rd Black Sea Basin Conference on Analytical Chemistry, Constanta, Romania, 12 - 14 September 2005, pp.143
- XXXV. **Potentiometric Determination of Protonation and Stability Constants of New Schiff base (HNAT) and It's Metal Complexes**  
Canlıca M., Turak F., Erçağ A., Özgür M., Bozdoğan A. E. , Koç E.  
4th Aegean Analytical Chemistry Days, İstanbul, Turkey, 03 May 2004, pp.521-523
- XXXVI. **Di-2-pyridilketon tiyosemikarbazon 'un Cu<sup>2+</sup>, Hg<sup>2+</sup>, Zn<sup>2+</sup>, Cd<sup>2+</sup>, Bi<sup>2+</sup> ile Oluşturduğu Komplekslerin Kararlılık Sabitlerinin Potansiyometrik Titrasyon Yöntemi ile Tayini**  
Aşçı B., Bozdoğan A. E. , Alpdoğan G., Sungur S.  
XVII.Ulusal Kimya Kongresi, İstanbul, Turkey, 8 - 11 September 2003, pp.53
- XXXVII. **Determination of protonation and stability constant of di-2-pyridyl ketonethiosemicarbazone (DPKT)and its metal complexes**  
ALPDOĞAN G., BOZDOĞAN A. E. , AŞÇI B., SUNGUR S.  
The fifth International conference on chemical physics, İstanbul, Turkey, 31 October 2002
- XXXVIII. **Comparison of Partial Least- Squares Multivariate Spectrophotometric and Derivative Spectrophotometric Method for the Determination of Food Dyes Sunset Yellow (E-110) and Tartrazine (E-102) in Powder Drinks**  
Koyuncu İ., Özgür M., Bozdoğan A. E.  
3rd Aegean Analytical Chemistry Days, Mitilini, Greece, 29 October 2002, pp.459
- XXXIX. **Simultaneous Determination of Phenylephrine Hydrochloride and Chlorpheniramine Maleate in Pharmaceutical Preparations by Partial Least-Squares Multivariate Calibration**  
D.Yılmaz G., Aksu Dönmez Ö., Bozdoğan A. E. , Kunt G.  
2nd Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 14 September 2003, pp.62
- XL. **"Parasetamol ,Psödoefedrin HCl ve Dekstrometorfan HBr İçeren Preparatların Çok Değişkenli Kalibrasyon Yöntemleri Uygulanarak HPLC ile Analizi "** 24. Ulusal Kimya Kongresi, Zonguldak, P-, Haziran 2010.  
Aşçı B., Aksu Dönmez Ö., Sungur S., Bozdoğan A. E.  
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.1
- XLI. **Investigation of Complex Formation Between Cu(II), Ni(II), Mn(II), Co(II), Cr(III) and Hydrogene Ions and Schiff Bases Derived from 4-Dimethylaminocinnamaldehyde**  
CANKURTARAN H., Yalçın M., KUNT G., BOZDOĞAN A. E.  
35th IUPAC Congress, İstanbul, Turkey, 14 September 1995
- XLII. **Removal of Metal Ions From Aqueous Solutions By Polymer Assisted Ultrafiltration**  
Tülü M., BOZDOĞAN A. E.  
44th World Chemistry Congress
- XLIII. **Klorheksidin Hidroklorür ve Lidokain Hidroklorürün Türev Spektrofotometrik ve Kemometrik Yöntemlerle Miktar Tayini**



- Aksu Dönmez Ö., Dıv Y., Bozdoğan A. E. , Kunt G.  
XIX. Ulusal Kimya Kongresi, İzmir, Turkey, 30 September 2005, pp.89
- XLIV. **Portland Çimentosundaki Alüminyum ve Demir Miktarının Çoklu Kalibrasyon Teknikleri Kullanılarak Spektrofotometrik Tayini**  
Tataroğlu C., Aksu Dönmez Ö., Aşçı B., Bozdoğan A. E. , Sungur S.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 06 October 2008, pp.84
- XLV. **Simultaneous Determination of Dextromethorphan Hydrobromide, Triprolidine Hydrochloride and Pseudoephedrine Hydrochloride in Pharmaceutical Preparations by Partial Least-Squares Multivariate Calibration**  
Aksu Dönmez Ö., Bozdoğan A. E. , Kunt G.  
2nd Black Sea Basin Conference on Analytical Chemistry,, İstanbul, Turkey, 14 September 2003, pp.109
- XLVI. **Simultaneous Spectrophotometric Determination of Iron and Molybdenum in Ferro-Molybdenum Alloys by Multivariate Calibration Methods Ekim 2008**  
Yurtseven E., AKSU DÖNMEZ Ö., AŞÇI B., DİNÇ ZOR Ş., BOZDOĞAN A. E. , SUNGUR S.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, pp.272
- XLVII. **Simultaneous Determination of Colorant Mixtures Used in Powder Drinks by Principal Component Regression Multivariate Calibration Method**  
Aksu Dönmez Ö., Aşçı B., Özgür M., Bozdoğan A. E.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 09 October 2008, pp.230
- XLVIII. **Tablet Preparatlarında Psödoefedrin Hidroklorür ve Triprolidin Hidroklorürün Kemometrik Yöntemle Miktar Tayini**  
Aksu Dönmez Ö., Dıv Y., Bozdoğan A. E. , Kunt G.  
XIX. Ulusal Kimya Kongresi, İzmir, Turkey, 30 September - 04 October 2005, pp.90
- XLIX. **Mepiramin Maleat ve Lidokain Hidroklorürün Türev Spektrofotometrik Yöntemle Miktar Tayini**  
Aksu Dönmez Ö., Bozdoğan A. E. , Kunt G.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004, pp.127
- L. **B-Essin ve Dietilamin Salisilatın Kısmi En Küçük Kareler Spektrofotometrik Kalibrasyon(PLS-2) Yöntemi ile Yan Yana Miktar Tayini**  
Aksu Dönmez Ö., Bozdoğan A. E. , Kunt G.  
XVI.Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 September 2002, pp.61
- LI. **Simultaneous Determination of Theophylline, Theobromine and Caffeine in Tea by Partial Least-Squares Multivariate Spectrophotometric Calibration, Derivative Spectrophotometry and HPLC**  
Aksu Dönmez Ö., Bozdoğan A. E. , Kunt G.  
MBAC III 3th Mediterranean Basin Conference on - Analytical Chemistry, Antalya, Turkey, 09 June 2000, pp.182

## Supported Projects

- GENÇTEN M., BOZDOĞAN A. E. , ŞAHİN M., MANSUROĞLU A., Project Supported by Higher Education Institutions, Jel Tipi Kurşun Asit Akülerin Performanslarının Grafen Oksit Esaslı Malzemeler İle Artırılması, 2020 - 2021
- BOZDOĞAN A. E. , Project Supported by Higher Education Institutions, Microwave assisted synthesis of pamam type dendrimers and their analytical applications, 2012 - 2014
- BOZDOĞAN A. E. , ERTÜRK A. S. , Dendritik Ligantların Sentezi ve Analitik Uygulamaları, 2012 - 2014
- BOZDOĞAN A. E. , Project Supported by Higher Education Institutions, Çok Dişli Selat Ajanı Sentezi Ve Çok Değişkenli Kalibrasyon Yöntemleri İle Metal İyonlarının Kantitatif Tayininde Kullanılması, 2011 - 2014

## Activities in Scientific Journals

Turkish Journal of Chemistry, Editor, 2017 - 2017

## **Scientific Refereeing**

Journal of Molecular Liquids, SCI Journal, January 2018

Journal of SOLUTION CHEMISTRY, SCI Journal, October 2017

Project Supported by Higher Education Institutions, June 2017

The Journal of Chemical Thermodynamics, SCI Journal, January 2016

Journal of Molecular Liquids, SCI Journal, January 2016

Turkish Journal of Engineering and Environmental Science, Other Indexed Journal, November 2015

Turkish Journal of Chemistry , SCI Journal, October 2015

Journal of SOLUTION CHEMISTRY , SCI Journal, December 2014

Journal of SOLUTION CHEMISTRY, SCI Journal, May 2011

Journal of SOLUTION CHEMISTRY, SCI Journal, September 2010

## **Edit Congress and Symposium Activities**

7 th APMAS 2017 International Advances in Applied Physics and Material Science Congress & Exhibition, Attendee, Muğla, Turkey, 2017

10 th Aegean Analytical Chemistry Days, Attendee, Çanakkale, Turkey, 2016

6 th APMAS 2016 International Advances in Applied Physics and Material Science Congress & Exhibition, Attendee, İstanbul, Turkey, 2016

## **Citations**

Total Citations (WOS):290

h-index (WOS):10