

## Prof. MURAT SARAÇOĞLU

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-8852-2021

ScopusID: 8401644300

Yoksis Researcher ID: 27296

### Education Information

Doctorate, Gazi University, Institute Of Science, Fizikokimya, Turkey 1996 - 2001

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Fizikokimya, Turkey 1993 - 1995

Undergraduate, Erciyes University, Fen Fakültesi, Kimya, Turkey 1988 - 1992

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, N-Benzilpiperidin Türevlerinin Serilerinde ki Yapı-asetilkolinesteraz İnhibitör Aktivite İlişkisinin Elektron Topolojik Yaklaşımı, Gazi Üniversitesi, Institute Of Science, Kimya/Fizikokimya, 2001

Postgraduate, Nükleosit Türevlerine Ait Anti-AIDS Aktivitelerinin Konformasyon ve Quantum Kimya İncelemesi: Elektron Topolojik (ET) Yaklaşımı, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Fizikokimya, 1995

### Research Areas

Chemistry, Physical Chemistry, Computational Chemistry, Surface Chemistry, Natural Sciences

### Academic Titles / Tasks

Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2019 - Continues

Associate Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2013 - 2019

Assistant Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2013

Research Assistant PhD, Erciyes University, Fen Fakültesi, Kimya, 2001 - 2005

Research Assistant, Erciyes University, Fen Fakültesi, Kimya, 1993 - 2001

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2019 - Continues

Erciyes University, 2019 - Continues

Director of Continuing Education Center, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2021 - 2023

Erciyes University, 2021 - 2023

Erciyes Üniversitesi, Eğitim Fakültesi, 2013 - 2016

Erciyes University, 2013 - 2016

Erciyes Üniversitesi, Eğitim Fakültesi, 2005 - 2012

Erciyes University, 2005 - 2012

## Courses

Kimya Eğitiminde Özel Konular, Postgraduate, 2023 - 2024

Yenilenebilir Enerji Kaynakları (S), Undergraduate, 2019 - 2020

Chemistry 1, Undergraduate, 2019 - 2020

Chemistry 2, Undergraduate, 2019 - 2020

## Advising Theses

Saraçoğlu M., Fen Bilgisi Öğretmen Adaylarının Polimerlerin Kullanımının Neden Olduğu Çevre Kirliliğine Karşı Tutumlarının İncelenmesi, Postgraduate, Ö.Erdim(Student), Continues

Saraçoğlu M., Examining the Scientific Attitudes of Secondary School Fifth Grade Students: Mixed Method, Postgraduate, B.Keçe(Student), 2022

Saraçoğlu M., Sekizinci Sınıf Basınç Konusunun STEM Temelli Ders Etkinlikleriyle İşleniş Hakkında Öğrenci Görüşleri, Postgraduate, B.Türkmen(Student), 2022

Saraçoğlu M., STEM Etkinlikleriyle Desteklenmiş Ters Yüz Öğrenme Modelinin Çeşitli Değişkenlere Etkisi, Doctorate, D.Söndür(Student), 2020

Saraçoğlu M., The Role of School Attachment Level and Used Science Strategies in the Classification of Science Success , Postgraduate, O.Orhan(Student), 2020

Saraçoğlu M., Fen Bilimleri Öğretmen Adaylarının Eğitsel Yazılımlara Yönelik Tutumlarının İncelenmesi, Postgraduate, M.Akif(Student), 2019

Saraçoğlu M., Fen Bilimleri Öğretmenlerinin Tükenmişlik ve İş Doyumu Düzeylerinin İncelenmesi, Postgraduate, M.Yıldırım(Student), 2019

Saraçoğlu M., VIEWS OF PRE-SERVICE SCIENCE TEACHERS ABOUT NUCLEAR ENERGY, Postgraduate, H.Ateş(Student), 2013

Saraçoğlu M., Düşün-Eşleş-Paylaş Tekniği ile Birlikte Kullanılan Kavram Karikatürlerinin Öğrencilerin Akademik Başarısı ile Fen ve Teknoloji Dersine Olan Tutumlarına Etkisinin İncelenmesi, Postgraduate, D.Gölgeli(Student), 2012

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

- Corrosion inhibition potential of new oxo-pyrimidine derivative on mild steel in acidic solution: Experimental and theoretical approaches**  
Alfalah M. G. K., Yılmaz M. İ., Feragita K. S. M., Saraçoğlu M., Kökbudak Z., Kandemirli F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1315, pp.1-13, 2024 (SCI-Expanded)

- II. **Corrosion Inhibition of Mild Steel in Acidic Media Using New Oxo-Pyrimidine Derivatives: Experimental and Theoretical Insights**  
 Ferigita K. S. M., Saraçoğlu M., Alfalah M. G. K., Yilmazer M. İ., Kökbudak Z., Kaya S., Kandemirli F.  
 JOURNAL OF MOLECULAR STRUCTURE, vol.1284, pp.1-19, 2023 (SCI-Expanded)
- III. **Synthesis and characterization of new 1,3,4-thiadiazole derivatives: study of their antibacterial activity and CT-DNA binding**  
 Sayiner H. S., Yilmazer M. İ., Abdelsalam A. T., Ganim M. A., Baloglu C., Altunoglu Y. C., Gür M., Saracoglu M., Attia M. S., Mahmoud S. A., et al.  
 RSC ADVANCES, vol.12, no.46, pp.29627-29639, 2022 (SCI-Expanded)
- IV. **Synthesis of Cyano-Benzylidene Xanthene Synthons Using a Diprotic Bronsted Acid Catalyst, and Their Application as Efficient Inhibitors of Aluminum Corrosion in Alkaline Solutions**  
 Amin M. A., Mersal G. A. M., El-Hendawy M. M., Shaltout A. A., Badawi A., Boman J., Gobouri A. A., SARAÇOĞLU M., Kandemirli F., Boukherroub R., et al.  
 MOLECULES, vol.27, no.17, 2022 (SCI-Expanded)
- V. **Corrosion inhibition performance of 2-ethyl phenyl-2, 5-dithiohydrazodi-carbonamide on Fe (110)/Cu (111) in acidic/alkaline solutions: Synthesis, experimental, theoretical, and molecular dynamic studies**  
 Alfalah M. G. K., Guo L., Saraçoğlu M., Kandemirli F.  
 JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.99, no.9, 2022 (SCI-Expanded)
- VI. **Electrochemical, theoretical and surface physicochemical studies of the alkaline copper corrosion inhibition by newly synthesized molecular complexes of benzenediamine and -tetraamine with  $\pi$  acceptor**  
 Ibrahim M. M., Mersal G. A. M., Fallatah A. M., Saraçoğlu M., Kandemirli F., Alharthi S., Szunerits S., Boukherroub R., Ryl J., Amin M. M.  
 Journal Of Molecular Liquids, vol.320, pp.1-17, 2020 (SCI-Expanded)
- VII. **Corrosion performance of electrospinning nanofiber ZnO-NiO- CuO/polycaprolactone coated on mild steel in acid solution**  
 Alfalah M. G. K., Kamberli E., Abbar A. H., Kandemirli F., Saraçoğlu M.  
 SURFACES AND INTERFACES, vol.21, pp.1-13, 2020 (SCI-Expanded)
- VIII. **Adsorption behavior and corrosion inhibitive characteristics of newly synthesized cyano-benzylidene xanthenes on copper/sodium hydroxide interface: Electrochemical, X-ray photoelectron spectroscopy and theoretical studies**  
 Khalifa M. E., Azab I. H. E., Gobouri A. A., Mersal G. A., Alharthi S., Saraçoğlu M., Kandemirli F., Ryl J., Amin M. A.  
 Journal Of Colloid And Interface Science, vol.580, pp.108-125, 2020 (SCI-Expanded)
- IX. **Synthesis and DFT Studies of Pyrimidin-1(2H)-ylaminofumarate Derivatives**  
 Saraçoğlu M., Kökbudak Z., Yilmazer M. İ., Kandemirli F.  
 JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.42, pp.746-761, 2020 (SCI-Expanded)
- X. **Synthesis, cytotoxic activity and quantum chemical calculations of new 7-thioxopyrazolo[1,5-f]pyrimidin-2-one derivatives**  
 Kökbudak Z., Saraçoğlu M., Akkoç S., Cimen Z., Yilmazer M. İ., Kandemirli F.  
 JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XI. **Synthesis and DFT quantum chemical calculations of 2-oxopyrimidin-1(2H)-yl-thiourea and urea derivatives**  
 Saraçoğlu M., Kökbudak Z., Yalçın E., Kandemirli F.  
 Journal Of The Chemical Society Of Pakistan, vol.41, no.5, pp.841-858, 2019 (SCI-Expanded)
- XII. **Synthesis and DFT Quantum Chemical Calculations of Novel Pyrazolo[1,5-c]pyrimidin-7(1H)-one Derivatives**  
 Saraçoğlu M., Kökbudak Z., Cimen Z., Kandemirli F.  
 JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.41, pp.479-488, 2019 (SCI-Expanded)
- XIII. **Quantum Chemical Studies on the Corrosion Inhibition of Fe78B13Si9 glassy alloy in Na2SO4 Solution of Some Thiosemicarbazone Derivatives**

Saraçoğlu M., Elusta M. I. A., Kaya S., Kaya C., Kandemirli F.

INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.13, pp.8241-8259, 2018 (SCI-Expanded)

- XIV. **Microstructure and Corrosion Behaviour of Carbon Steel and Ferritic and Austenitic Stainless Steels in NaCl Solutions and the Effect of p-Nitrophenyl Phosphate Disodium Salt**  
Amin M. A., Saraçoğlu M., El-Bagoury N., Sharshar T., Ibrahim M. M., Wysocka J., Krakowiak S., Ryl J.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.11, pp.10029-10052, 2016 (SCI-Expanded)
- XV. **Experimental and theoretical studies for mild steel corrosion inhibition in 1.0 M HCl by three new quinoxalinone derivatives**  
Tazouti A., Galai M., Touir R., Touhami M. E., Zarrouk A., Ramli Y., Saraçoğlu M., Kaya S., Kandemirli F., Kaya C.  
JOURNAL OF MOLECULAR LIQUIDS, vol.221, pp.815-832, 2016 (SCI-Expanded)
- XVI. **Quantum chemical and molecular dynamics simulation studies on inhibition performances of some thiazole and thiadiazole derivatives against corrosion of iron**  
Kaya S., Kaya C., Guo L., Kandemirli F., Tuzun B., Ugurlu I., Madkour L. H., Saraçoğlu M.  
JOURNAL OF MOLECULAR LIQUIDS, vol.219, pp.497-504, 2016 (SCI-Expanded)
- XVII. **Cathodic activation of titanium-supported gold nanoparticles: An efficient and stable electrocatalyst for the hydrogen evolution reaction**  
Amin M. A., Fadlallah S. A., Alosami G. S., Kandemirli F., Saraçoğlu M., Szunerits S., Boukherroub R.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, pp.6326-6341, 2016 (SCI-Expanded)
- XVIII. **Effect of Aging Treatment on the Electrochemical and Corrosion Behavior of NiTiRe Shape Memory Alloy**  
El-Bagoury N., Amin M. A., Saraçoğlu M.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.10, pp.5291-5308, 2015 (SCI-Expanded)
- XIX. **Electrochemical and Corrosion Behavior of cast Re-containing Inconel 718 Alloys in Sulphuric Acid Solutions and the Effect of Cl-**  
Amin M. A., El-Bagoury N., Saraçoğlu M., Ramadan M.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.9, pp.5352-5374, 2014 (SCI-Expanded)
- XX. **The Quantum Chemical Calculations of Serine, Therionine and Glutamine**  
Kandemirli F., Saraçoğlu M., Amin M. A., Basaran M. A., Vurdu C. D.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.9, pp.3819-3827, 2014 (SCI-Expanded)
- XXI. **ETM and ANN Study for Polysubstituted 2H-Pyran-2-Ones**  
Saraçoğlu M., Basaran M. A., Thul P., Sayiner H., Kandemirli S. G., Gupta V. P., Kandemirli F.  
MEDICINAL CHEMISTRY, vol.9, pp.867-874, 2013 (SCI-Expanded)
- XXII. **Inhibition Performance and Adsorptive Behavior of Three Amino Acids on Cold-Rolled Steel in 1.0 M HCl-Chemical, Electrochemical, and Morphological Studies**  
Amin M. A., Hazzazi O. A., Kandemirli F., Saraçoğlu M.  
CORROSION, vol.68, pp.688-698, 2012 (SCI-Expanded)
- XXIII. **Quantum Chemical Investigations on Quinoline Derivatives as Effective Corrosion Inhibitors for Mild Steel in Acidic Medium**  
Ebenso E. E., Kabanda M. M., Arslan T., Saraçoğlu M., Kandemirli F., Murulana L. C., Singh A. K., Shukla S. K., Hammouti B., Khaled K. F., et al.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, pp.5643-5676, 2012 (SCI-Expanded)
- XXIV. **Inhibition Effects of Amides on the Corrosion of Copper in 1.0 M HCl: Theoretical and Experimental Studies**  
Zor S., Saraçoğlu M., Kandemirli F., Arslan T.  
CORROSION, vol.67, 2011 (SCI-Expanded)
- XXV. **Investigation of Structure-Activity Relationship Between Chemical Structure and CCR5 Anti HIV-1 Activity in a Class of 1-[N-(Methyl)-N-(Phenylsulfonyl) Amino]-2-(Phenyl)-4-[4-(Substituted)Piperidin-1-yl]Butane Derivatives: The Electronic-Topological Approach**  
Saraçoğlu M., Kandemirli S. G., Başaran M. A., Sayiner H., Kandemirli F.  
CURRENT HIV RESEARCH, vol.9, pp.300-312, 2011 (SCI-Expanded)
- XXVI. **Monitoring corrosion and corrosion control of iron in HCl by non-ionic surfactants of the TRITON-X**

**series - Part III. Immersion time effects and theoretical studies**

Amin M. A., Ahmed M. A., Arida H. A., Kandemirli F., Saraçoğlu M., Arslan T., Basaran M. A.  
CORROSION SCIENCE, vol.53, pp.1895-1909, 2011 (SCI-Expanded)

- XXVII. **Monitoring corrosion and corrosion control of iron in HCl by non-ionic surfactants of the TRITON-X series - Part II. Temperature effect, activation energies and thermodynamics of adsorption**  
Amin M. A., Ahmed M. A., Arida H. A., Arslan T., Saraçoğlu M., Kandemirli F.  
CORROSION SCIENCE, vol.53, pp.540-548, 2011 (SCI-Expanded)
- XXVIII. **Theoretical Studies of Some Sulphonamides as Corrosion Inhibitors for Mild Steel in Acidic Medium**  
Ebenso E. E., Arslan T., Kandemirli F., Love I., Odretir C., Saraçoğlu M., Umoren S. A.  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.110, pp.2614-2636, 2010 (SCI-Expanded)
- XXIX. **ETM-ANN Approach Application for Thiobenzamide and Quinolizidine Derivatives**  
Saraçoğlu M., Kandemirli F., Kovalishyn V., Arslan T., Ebenso E. E.  
JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY, 2010 (SCI-Expanded)
- XXX. **The Structure-AChE Inhibitory Activity Relationships Study in a Series of Pyridazine Analogues**  
SARAÇOĞLU M., KANDEMİRLİ F.  
MEDICINAL CHEMISTRY, vol.5, no.4, pp.325-335, 2009 (SCI-Expanded)
- XXXI. **Human acetylcholinesterase inhibitors: Electronic-topological and neural network approaches to the structure-activity relationships study**  
Kandemirli F., Saracoglu M., Kovalishyn V.  
MINI-REVIEWS IN MEDICINAL CHEMISTRY, vol.5, pp.479-487, 2005 (SCI-Expanded)
- XXXII. **Electron-topological investigation of the structure-antitumor activity relationship of thiosemicarbazone derivatives**  
Dimoglo A., Chumakov Y., Dobrova B., Saracoglu M.  
ARZNEIMITTEL-FORSCHUNG/DRUG RESEARCH, vol.47, pp.415-419, 1997 (SCI-Expanded)
- XXXIII. **Investigation of the relationship between chemical structure and anti-HIV-1 activity in a class of nucleoside analogues: Electron topological approach**  
Dimoglo A., Gorbachov M., Lesnik T., Saraçoğlu M.  
Current Medicinal Chemistry, vol.4, no.1, pp.23-34, 1997 (SCI-Expanded)
- XXXIV. **Electronic topological Investigations of the Relationship Between Chemical Structure and Ambergris Odor**  
Dimoglo A., Vlad P., Natali S., Coltsa M., Güzel Y., Saraçoğlu M., Sarıpınar E., Patat Ş.  
New Journal Of Chemistry, vol.19, pp.1217-1226, 1995 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Corrosion inhibition performance of 2- fluorophenyl-2, 5 dithiohydrazodicarbonamide for copper in 3.5%NaCl Media: Experimental and Monte Carlo insights**  
Alfalah M. G. K., Saraçoğlu M., Yilmazer M. İ., Kandemirli F.  
Al-Qadisiyah Journal for Engineering Sciences, vol.16, no.3, pp.150-159, 2023 (Peer-Reviewed Journal)
- II. **Corrosion behaviour of new oxo-pyrimidine derivatives on mild steel in acidic media: Experimental, surface characterization, theoretical, and Monte Carlo studies**  
Ferigita K. S. M., Alfalah M. G. K., Saraçoğlu M., Kökbudak Z., Kaya S., Alaghani M. O. A., Kandemirli F.  
APPLIED SURFACE SCIENCE ADVANCES, vol.7, 2022 (ESCI)
- III. **Theoretical B3LYP Study on Electronic Structure of Contrast Agent Iopromide**  
Kandemirli S. G., Yilmazer M. İ., Saraçoğlu M., Kandemirli F.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.444-456, 2020 (Peer-Reviewed Journal)
- IV. **4-Naphthyl-3-thiosemicarbazide as corrosion inhibitor for copper in sea water (3.5% sodium chloride)**  
Alfalah M. G. K., Abdulrazzaq M., Saraçoğlu M., Kandemirli F.  
Eurasian Journal of Science Engineering and Technology, vol.1, no.1, pp.27-34, 2020 (Peer-Reviewed Journal)

- V. **Theoretical B3LYP Study of Contrast Agent Metrizoate**  
Kandemirli S. G., Yilmazer M. İ., Saraçoğlu M., Kandemirli F.  
International Journal of Chemistry and Technology (IJCT), vol.4, no.1, pp.60-70, 2020 (Peer-Reviewed Journal)
- VI. **Ortaöğretime Geçişte Sınav Değişikliği Yaşayan Sekizinci Sınıf Öğrencilerinin Fen Sınav Kaygılarının İncelenmesi**  
Demir O. O., Bektaş O., Saraçoğlu M.  
Amasya Üniversitesi Eğitim Fakültesi Dergisi, vol.8, no.2, pp.419-442, 2019 (Peer-Reviewed Journal)
- VII. **Investigation of the Effect of Concept Cartoons Used Together with Think Pair Share Technique on Academic Achievements of Students and their Attitude Towards Science Courses**  
Gölgeli D., Saraçoğlu M.  
Erciyes Journal of Education, vol.3, no.1, pp.68-86, 2019 (Peer-Reviewed Journal)
- VIII. **MRI Kontrast Maddelerinin Gelişimi için Kuantum Kimyasal ve QSAR Çalışmaları**  
Saraçoğlu M., Kandemirli S. G., Sayiner H. S., Başaran M. A., Kandemirli F.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.35, no.1, pp.50-76, 2019 (Peer-Reviewed Journal)
- IX. **The quantum chemical and QSAR studies for the development of MRI contrast agents**  
Saraçoğlu M., Kandemirli S. G., Sayiner H. S., Başaran M. A., Kandemirli F.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.35, no.1, pp.50-76, 2019 (Peer-Reviewed Journal)
- X. **Theoretical studies on the corrosion inhibition characteristics of thiosemicarbazide derivatives**  
Alrjaibi A., SARAÇOĞLU M., Amin M., BAYOL E., KANDEMİRLİ F.  
International Journal of Science and Engineering Investigations (IJSEI), vol.7, no.75, pp.5-15, 2018 (Peer-Reviewed Journal)
- XI. **Structure-activity relationships of 2-pyridinone derivatives for HIV-1- specific reverse transcriptase inhibitors: with ETM And ANNs**  
Sayiner H. S., Lawar M., Dimoglo A., Saraçoğlu M., Başaran M. A., Kandemirli F.  
Virology: Research and Reviews, vol.1, no.5, pp.1-10, 2017 (Peer-Reviewed Journal)
- XII. **Antibacterial activities of isatin-3- thiosemicarbazone derivatives and their metal complexes against different types of bacteria**  
Sayiner H. S., Mohammed N. A. M., Ganim M. A., Baloglu C., Celik Altunoglu Y., SARAÇOĞLU M., Kandemirli F.  
International Journal of Science and Engineering Investigations (IJSEI), vol.6, no.61, pp.97-100, 2017 (Peer-Reviewed Journal)
- XIII. **Synthesis and quantum chemical calculations of 2,4-dioxopentanoic acid derivatives-Part II**  
SARAÇOĞLU M., KANDEMİRLİ F., Özalp A., KÖKBUDAK Z.  
International Journal of Science and Engineering Investigations (IJSEI), vol.6, no.60, pp.50-57, 2017 (Peer-Reviewed Journal)
- XIV. **Synthesis and quantum chemical calculations of 2,4-dioxopentanoic acid derivatives-Part I**  
SARAÇOĞLU M., KANDEMİRLİ F., Özalp A., KÖKBUDAK Z.  
Chemical Science Review and Letters, vol.6, no.21, pp.1-11, 2017 (Peer-Reviewed Journal)
- XV. **Pre-Service Science Teachers' Views about Nuclear Energy with Respect to Gender and University Providing Instruction**  
Ateş H., Saraçoğlu M.  
Science Education International, vol.27, no.2, pp.238-252, 2016 (Peer-Reviewed Journal)
- XVI. **The reactions and quantum chemical calculations of some pyrazole-3-carboxylic acid chlorides with various hydrazides**  
İlhan İ. Ö., Çadır M., Saraçoğlu M., Kandemirli F., Kökbudak Z., Akkoç S.  
Chemical Science Review and Letters, vol.4, pp.838-850, 2015 (Peer-Reviewed Journal)
- XVII. **Some molecular properties and reaction mechanism of synthesized isatin thiosemicarbazone and its zinc(II) and nickel(II) complexes**  
Kandemirli F., Vurdu C. D., SARAÇOĞLU M., Akkaya Y., Çavuş M. S.  
International Research Journal of Pure and Applied Chemistry, vol.9, no.1, pp.1-16, 2015 (Peer-Reviewed Journal)
- XVIII. **Synthesis and Theoretical Study of the Novel 2-Oxopyrimidin-1(2H)-ylAmides Derivative**  
Özalp A., Kökbudak Z., Saraçoğlu M., Kandemirli F., İlhan İ. Ö., Vurdu C. D.

- Chemical Science Review and Letters, vol.4, no.14, pp.719-728, 2015 (Peer-Reviewed Journal)
- XIX. **Fen Bilgisi Öğretmen Adaylarının Gözünden Nükleer Enerji**  
Ateş H., Saraçoğlu M.  
Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, vol.14, no.3, pp.175-193, 2013 (Peer-Reviewed Journal)
- XX. **Synthesis and Theoretical Study of Zinc(II) and Nickel(II) Complexes of 5-Methoxyisatin 3-[N-(4-chlorophenyl) thiosemicarbazone]**  
Kandemirli F., Saraçoğlu M., Bulut G., Ebenso E., Arslan T., Kayan A.  
JOURNAL OF MATHEMATICAL AND FUNDAMENTAL SCIENCES, vol.44, no.1, pp.35-50, 2012 (ESCI)
- XXI. **L1210 Lösemi Hücrelerine Karşı 2-(N)-Formilheteroaromatik Tiyosemikarbazon Türevlerinin Yapı Aktivite İlişkisinin Elektron Topoloji Yöntemi ile İncelenmesi**  
Kandemirli F., Atalay N., Saraçoğlu M., Arslan T.  
Fırat Üni. Fen Bil. Der., vol.21, no.2, pp.139-156, 2009 (Peer-Reviewed Journal)
- XXII. **Structure-Activity Relationship Study by ETM method on Potent Trypanocidal Thio Semicarbazone Inhibitors of the Trypanosomal Cysteine Protease Cruzain**  
Kandemirli F., SARAÇOĞLU M., Çavuşoğlu İ., Arslan T.  
Philosophic Nature, vol.1, no.2, pp.179-193, 2009 (Peer-Reviewed Journal)
- XXIII. **Investigation of Structure- activity Relationships of Tacrine Analogues: Electronic-topological Method**  
Saraçoğlu M., Kandemirli F.  
The Open Med. Chem. J., vol.2, pp.75-80, 2008 (Peer-Reviewed Journal)
- XXIV. **Electronic-topological Investigation of Antitumor Activity in the Series of 2-Formylpyridine and 1-Formylisoquinoline Thiosemicarbazone Derivatives**  
Dimoglo A., Chumakov Y., Shvets N., GÜZEL Y., SARAÇOĞLU M.  
Karedeniz J. Med. Sci. (Karadeniz Tıp Dergisi), vol.8, no.4, pp.178, 1995 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Quantum chemical calculations on the corrosion inhibition performance of some tetrazole derivatives**  
Elusta M. I. A., Saraçoğlu M., Yilmazer M. I., Kandemirli F.  
in: Corrosion Science: Theoretical and Practical Applications, Kaya S., Obot I.B., Özkir D., Serdaroglu G., Singh A., Editor, Apple Academic Press, Florida, pp.331-354, 2023
- II. **12. Bölüm: Termodinamik ve Termokimya**  
SARAÇOĞLU M.  
in: Genel Kimya 2, Hüseyin Bağ , Editor, PegemA, Ankara, pp.133-192, 2016
- III. **Quantum chemical calculations for some isatin thiosemicarbazones**  
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- V. **Quantum Chemical Study on the Corrosion Inhibition of Copper Using Some Tetrazoles**  
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- VI. **Theoretical Studies on the Corrosion Inhibition Characteristics of Thiosemicarbazide Derivatives**  
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