

## **Prof. OSMAN DAYAN**

### **Personal Information**

**Office Phone:** [+90 286 218 0018](tel:+902862180018) Extension: 1821

**Fax Phone:** [+90 286 218 0533](tel:+902862180533)

**Email:** [osmandayan@comu.edu.tr](mailto:osmandayan@comu.edu.tr)

**Web:** <http://akademik.comu.edu.tr/onizle.php?cvno=A-901>

**Address:** Çanakkale Onsekiz Mart üniversitesi Fen-Edebiyat Fakültesi Kimya bölümü 17020 Çanakkale

### **Education Information**

Doctorate, Ege University, Fen Bilimleri, Kimya/Anorganik Kimya, Turkey 2001 - 2007

Post Graduate, Fırat University, Fen Bilimleri, Kimya/Analitik Kimya, Turkey 1997 - 2000

Under Graduate, Fırat University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1992 - 1996

### **Foreign Languages**

English, B2 Upper Intermediate

### **Research Areas**

Metallurgical and Materials Engineering, Material science and engineering, Composites, Material Characterization, Chemistry, Inorganic Chemistry, Transition Metals, Catalysis, Coordination Chemistry, nanoclusters, Organometallic Chemistry, Novel Ligands, Natural Sciences, Engineering and Technology

### **Academic Titles / Tasks**

Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi , Kimya, 2016 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2011 - 2016

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2009 - 2011

Research Assistant, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2007 - 2009

Research Assistant, Ege University, Fen Bilimleri Enstitüsü, Kimya, 2001 - 2007

Research Assistant, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2000 - 2001

Research Assistant, Canakkale Onsekiz Mart University, 1998 - 2000

### **Professional Experience**

Vice Dean, Canakkale Onsekiz Mart University, Fef, 2019 - Continues

Head of Department, Canakkale Onsekiz Mart University, Fef, Kimya, 2018 - Continues

Member of the Senate, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, 2018 - Continues

Head of Department, Canakkale Onsekiz Mart University, Fef, Kimya, 2015 - 2018

Head of Department, Canakkale Onsekiz Mart University, 2012 - 2015

Deputy Head of Department, Canakkale Onsekiz Mart University, 2012 - 2015

## Advising Theses

- DAYAN O., İki- ve üç- dişli benzimidazol ligandlar içeren yeni rutenyum komplekslerin sentez ve karakterizasyonları: DSSC'ler için yeni boyalar, Doctorate, m.tercan(Student), 2018
- DAYAN O., Arensülfonat-Schiff Bazı Ligantları İçeren Geçiş Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Uygulamaları, Post Graduate, R.Kağıt(Student), 2015
- DAYAN O., PİRİDİL-BENZİMİDAZOL LİGANTLARI İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE KATALİTİK ÖZELLİKLERİ, Post Graduate, S.DEMİRMEN(Student), 2014
- DAYAN O., BENZİMİDAZOL TÜREVLERİ İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ KARAKTERİZASYONU ve KATALİTİK ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, D.DİLEK(Student), 2013
- DAYAN O., 2,6-BİS(BENZİMİDAZOL-2-İL)PİRİDİN LİGANTLARI İÇEREN METAL KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE KATALİTİK ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, M.YUNUS(Student), 2013

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

- I. **Synthesis, catalytic, cytotoxic, and antibacterial properties of new Ru(II) and Pd(II) complexes bearing bidentate Schiff base ligand**  
Selvi G., ÖZDEMİR F. A. , AYKUTOĞLU G., ÖZDEMİR N., ŞERBETÇİ Z., DİNÇER M., DAYAN O.  
INORGANIC AND NANO-METAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- II. **Synthesis, characterization and application of Ru(II) complexes containing pyridil ligands for dye-sensitized solar cells**  
DAYAN O., Ozdemir N., Yakuphanoglu F., Serbetci Z., BİLİCİ A.  
MATERIALS SCIENCE-POLAND, vol.38, no.3, pp.450-458, 2020 (Journal Indexed in SCI)
- III. **Investigation of the effect of alkyl substitution on DSSC efficiency of Ru(II) complexes bearing tridentate benzimidazole ligands**  
TERCAN YAVAŞOĞLU M., DAYAN O.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.50, no.7, pp.545-554, 2020 (Journal Indexed in SCI)
- IV. **Synthesis, thermal, electrochemical and catalytic behavior toward transfer hydrogenation investigations of the half-sandwich RuII complexes with 2-(2'-quinoly)benzimidazoles**  
Kılınçarslan R., Erdem A., Şahin Ç., ÖZDEMİR N., DAYAN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1, pp.1-10, 2020 (Journal Indexed in SCI)
- V. **Synthesis, Spectroscopy, X-ray Crystallography and DFT Calculations of (E)-4-[(2-hydroxyphenyl)imino]methyl]phenyl benzenesulfonate**  
ÖZDEMİR N., DAYAN O.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.1, no.1, pp.1-10, 2020 (Journal Indexed in SCI Expanded)
- VI. **P(2-VP) Supported Ru(II) Material as Catalyst for H<sub>2</sub> Production from the Methanolysis of NaBH<sub>4</sub>**  
TERCAN M., KARACAN YELDİR E., DAYAN O., ORAL A.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.-, pp.1-29, 2020 (Journal Indexed in SCI Expanded)
- VII. **Simultaneous degradation and reduction of multiple organic compounds by poly(vinyl imidazole) cryogel-templated Co, Ni, and Cu metal nanoparticles**  
TERCAN YAVAŞOĞLU M., Demirci S., DAYAN O., ŞAHİNER N.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.11, pp.4417-4425, 2020 (Journal Indexed in SCI)
- VIII. **Synthesis, DFT computations and antimicrobial activity of a Schiff base derived from 2-hydroxynaphthaldehyde: remarkable solvent effect**  
TERCAN M., Özdemir N., Özdemir F. A. , Şerbetçi Z., ERDENER ÇIRALI D., Çetinkaya B., DAYAN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1, no.1, pp.1-11, 2020 (Journal Indexed in SCI Expanded)
- IX. **A neutral arene ruthenium(II) complex with a sulfonated N,O-chelating ligand: Synthesis, characterization, in vitro cytotoxicity and antibacterial activity**  
Selvi G., ÖZDEMİR F. A. , AYKUTOĞLU G., ÖZDEMİR N., ŞERBETÇİ Z., Cetinkaya B., DAYAN O.  
POLYHEDRON, vol.176, 2020 (Journal Indexed in SCI)
- X. **Antioxidant Activity of Ruthenium(Ii) Complexes Containing Tridentate Triamines and Their**

### Capability to Inhibit Xanthine Oxidase

GEÇİBESLER İ. H. , Dayan O., ŞERBETÇİ Z., Demirtas I.

PHARMACEUTICAL CHEMISTRY JOURNAL, vol.53, no.10, pp.914-920, 2020 (Journal Indexed in SCI)

- XI. **The preparation of new palladium (II) complexes with Schiff base type ligands and its impregnated Al<sub>2</sub>O<sub>3</sub> materials: As the catalysts for degradation/reduction of organic dyes**  
Selvi G., Tercan M., Özdemir N., DAYAN O.  
Applied Organometallic Chemistry, 2020 (Journal Indexed in SCI Expanded)
- XII. **Photoresponsivity and photodetectivity properties of copper complex-based photodiode**  
DAYAN O., İmer A. G. , Al-Sehemi A. G. , ÖZDEMİR N., Dere A., Serbetci Z., Al-Ghamdi A. A. , Yakuphanoglu F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (Journal Indexed in SCI)
- XIII. **Palladium(II) complexes assembled on solid materials: as catalysts for the -NO<sub>2</sub> (nitro) to -NH<sub>2</sub> (amine) reactions**  
DAYAN S., Kayacı N., Özdemir N., DAYAN O., Kalaycioglu Ozpozan N.  
Monatshefte fur Chemie, 2020 (Journal Indexed in SCI Expanded)
- XIV. **Structural and Spectroscopic Characterization of N-(2-Amino-4,5-Dichlorophenyl)-N-(Phenylsulfonyl)Benzenesulfonamide: a Joint Experimental and Quantum Chemical Study**  
ÖZDEMİR N., DAYAN O.  
BRAZILIAN JOURNAL OF PHYSICS, vol.49, no.6, pp.836-845, 2019 (Journal Indexed in SCI)
- XV. **Photosensing properties of ruthenium(II) complex-based photodiode**  
İmer A. G. , DERE A., Al-Sehemi A. G. , DAYAN O., ŞERBETÇİ Z., Al-Ghamdi A. A. , YAKUPHANOĞLU F.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.3, 2019 (Journal Indexed in SCI)
- XVI. **Silicon based photodetector with Ru(II) complexes organic interlayer**  
Karabulut A., Dere A., DAYAN O., Al-Sehemi A. G. , Serbetci Z., Al-Ghamdi A. A. , Yakuphanoglu F.  
Materials Science in Semiconductor Processing, vol.91, pp.422-430, 2019 (Journal Indexed in SCI)
- XVII. **Synthesis and DSSC Applications of Ru(II) Complexes Bearing Benzimidazole Type Ligands**  
TERCAN YAVAŞOĞLU M., DAYAN O.  
JOURNAL OF ELECTRONIC MATERIALS, vol.48, no.1, pp.642-648, 2019 (Journal Indexed in SCI)
- XVIII. **Synthesis, characterization and application of Ru(II) complexes containing pyridinyl ligands for Dye-Sensitized Solar Cells**  
DAYAN O., Özdemir N., Yakuphanoglu F., Şerbetçi z., BİLİCİ A.  
MATERIALS SCIENCE-POLAND, vol.2019, no.1, pp.1-10, 2019 (Journal Indexed in SCI Expanded)
- XIX. **One-pot stepwise reductive amination reaction by N-coordinate sulfonamido-functionalized Ru(II) complexes in water**  
Kayacı N., DAYAN S., ÖZDEMİR N., DAYAN O., ÖZPOZAN N.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.12, 2018 (Journal Indexed in SCI)
- XX. **One-Pot Stepwise Reductive Amination Reaction by N-Coordinate Sulfonamido Functionalized RuII Complexes in Water**  
DAYAN O.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.12, pp.1-10, 2018 (Journal Indexed in SCI)
- XXI. **Synthesis and photovoltaic properties of new Ru(II) complexes for dye-sensitized solar cells**  
DAYAN O., Özdemir N., Yakuphanoglu F., Şerbetci Z., BİLİCİ A., Çetinkaya B., TERCAN M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.13, pp.11045-11058, 2018 (Journal Indexed in SCI)
- XXII. **Synthesis, X-ray diffraction method, spectroscopic characterization (FT-IR, H-1 and C-13 NMR), antimicrobial activity, Hirshfeld surface analysis and DFT computations of novel sulfonamide derivatives**  
DEMİRCİOĞLU Z., ÖZDEMİR F. A. , DAYAN O., ŞERBETÇİ Z., ÖZDEMİR N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.122-137, 2018 (Journal Indexed in SCI)
- XXIII. **Synthesis, X-ray Diffraction Method, Spectroscopic Characterization (FT-IR, 1H- and 13C-NMR), Antimicrobial Activity, Hirshfeld Surface Analysis and DFT Computations of Novel Sulfonamide Derivatives**

- DAYAN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.-, pp.1-10, 2018 (Journal Indexed in SCI)
- XXIV. **SBA-15-supported N-coordinate ruthenium(II) materials bearing sulfonamide-type ligands: Effect of ligand backbones on catalytic transfer hydrogenation of ketones and aldehydes**  
DAYAN S., Kayaci N., ÖZPOZAN N., DAYAN O.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.9, 2017 (Journal Indexed in SCI)
- XXV. **Syntheses and molecular structures of novel Ru(II) complexes with bidentate benzimidazole based ligands and their catalytic efficiency for oxidation of benzyl alcohol**  
DAYAN O., Tercan M., Özdemir N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.35-43, 2016 (Journal Indexed in SCI)
- XXVI. **Single crystal ruthenium(II) complex dye based photodiode**  
Tataroğlu A., DAYAN O., Özdemir N., Serbetci Z., Al-Ghamdi A. A., Dere A., El-Tantawy F., Yakuphanoglu F.  
Dyes and Pigments, vol.132, pp.64-71, 2016 (Journal Indexed in SCI)
- XXVII. **Synthesis, structural, and spectroscopic (FT-IR, NMR, and UV) Characterization of 1-(Cyclohexylmethyl)-2-(pyridin-2-yl)-1H-benzo[d]imidazole by experimental techniques and quantum chemical calculations**  
ÖZDEMİR N., DAYAN O., DEMİRMEN S.  
Optics and Spectroscopy (English translation of Optika i Spektroskopiya), vol.120, no.5, pp.706-720, 2016 (Journal Indexed in SCI)
- XXVIII. **Investigation of enol-imine/keto-amine tautomerism in (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulphonate by experimental and molecular modelling methods**  
Özdemir N., Kaçit R., DAYAN O.  
Molecular Physics, vol.114, no.6, pp.757-768, 2016 (Journal Indexed in SCI)
- XXIX. **Palladium(II) and Ruthenium(II) complexes bearing arylsulfonate based ligands: Synthesis, structural characterization and catalytic properties**  
KAĞIT R., DAYAN O., Özdemir N.  
Polyhedron, vol.117, pp.504-512, 2016 (Journal Indexed in SCI)
- XXX. **Enol-imine/keto-amine tautomerism of (E)-4-[(2-hydroxybenzylidene)amino]phenyl benzenesulfonate**  
DİNÇER M., ÖZDEMİR N., Kaçit R., DAYAN O.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.72, 2016 (Journal Indexed in SCI)
- XXXI. **A novel photodiode based on Ruthenium(II) complex containing polydentate pyridine as photocatalyst**  
Soylu M., Orak I., DAYAN O., Serbetci Z.  
MICROELECTRONICS RELIABILITY, vol.55, no.12, pp.2685-2688, 2015 (Journal Indexed in SCI)
- XXXII. **SYNTHESIS OF TETRANUCLEAR RUTHENIUM (II) COMPLEX OF PYRIDYLOXY-SUBSTITUTED 2,2'-DIOXYBIPHENYL-CYCLOTRIPHOSPHAZENE PLATFORM AND ITS CATALYTIC APPLICATION IN THE TRANSFER HYDROGENATION OF KETONES**  
CIRALI D., DAYAN O.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, no.7, pp.1100-1107, 2015 (Journal Indexed in SCI)
- XXXIII. **A new phosphazene derivative, spiro-N3P3[(O2C12H8)(2)(OC6H6N-3)(2)], and its Ru(II) complex: Syntheses, crystal structure, catalytic activity and antimicrobial activity studies**  
CIRALI D., DAYAN O., Ozdemir N., HACLOGLU N.  
POLYHEDRON, vol.88, pp.170-175, 2015 (Journal Indexed in SCI)
- XXXIV. **Palladium(II) complexes bearing bidentate pyridyl-sulfonamide ligands: Synthesis and catalytic applications**  
DAYAN S., Cetin A., Arslan N. B., Ozpazan N. K., Ozdemir N., DAYAN O.  
POLYHEDRON, vol.85, pp.748-753, 2015 (Journal Indexed in SCI)
- XXXV. **Synthesis and Characterization of Ruthenium(II) Complexes Bearing Benzimidazole Ligands: For Transfer Hydrogenation Catalysis**

DAYAN O., INAN M. Y.

SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.45, no.7, pp.1018-1024, 2015 (Journal Indexed in SCI)

- XXXVI. **Heteroleptic ruthenium(II) complexes of 2-(2-pyridyl)benzimidazoles: A study of catalytic efficiency towards transfer hydrogenation of acetophenone**  
DAYAN O., Demirmen S., Ozdemir N.  
POLYHEDRON, vol.85, pp.926-932, 2015 (Journal Indexed in SCI)
- XXXVII. **Synthesis of some ruthenium(II)-Schiff base complexes bearing sulfonamide fragment: New catalysts for transfer hydrogenation of ketones**  
DAYAN S., Ozpazan N. K., Ozdemir N., DAYAN O.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.770, pp.21-28, 2014 (Journal Indexed in SCI)
- XXXVIII. **Synthesis and characterization of 2,2'-(pyridine-2,6-diyl)bis(1H-benzo[d]imidazol-3-ium) 2,4,6-trimethylbenzenesulfonate chloride by experimental and theoretical methods**  
Ozdemir N., DAYAN O., Yavasoglu M., Cetinkaya B.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.131, pp.145-152, 2014 (Journal Indexed in SCI)
- XXXIX. **Direct and solvent-assisted thione-thiol tautomerism in 5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3H)-thione: Experimental and molecular modeling study**  
Arslan N. B., Ozdemir N., DAYAN O., Dege N., Koparir M., Koparir P., Muglu H.  
CHEMICAL PHYSICS, vol.439, pp.1-11, 2014 (Journal Indexed in SCI)
- XL. **Synthesis of ruthenium(II) complexes derived from reduced imine ligands: As catalysts for transfer hydrogenation of ketones**  
DAYAN S., Kayaci N., Kalaycioglu N. O., DAYAN O., Ozturk E. C.  
INORGANICA CHIMICA ACTA, vol.401, pp.107-113, 2013 (Journal Indexed in SCI)
- XLI. **Experimental and molecular modeling investigation of (E)-N-{2-[(2-hydroxybenzylidene)amino]phenyl}benzenesulfonamide**  
Ozdemir N., DAYAN S., DAYAN O., Dincer M., Kalaycioglu N. O.  
MOLECULAR PHYSICS, vol.111, no.6, pp.707-723, 2013 (Journal Indexed in SCI)
- XLII. **Ring-opening metathesis polymerization of bicyclo[2.2.1]hepta-2,5-diene (norbornadiene) initiated by new ruthenium(II) complex**  
YALÇINKAYA E. E., DAYAN O., BALCAN M., Guler C.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, no.3, pp.1691-1696, 2013 (Journal Indexed in SCI)
- XLIII. **Synthesis, spectroscopic characterization, X-ray structure and DFT studies on 2,6-bis(1-benzyl-1H-benzo[d]imidazol-2-yl)pyridine**  
Inkaya E., GÜNNAZ S., Ozdemir N., DAYAN O., Dincer M., Cetinkaya B.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.103, pp.255-263, 2013 (Journal Indexed in SCI)
- XLIV. **Synthesis and characterization of SiO<sub>2</sub>-supported ruthenium complexes containing aromatic sulfonamides: as catalysts for transfer hydrogenation of acetophenone**  
DAYAN S., Kalaycioglu N. O., DAYAN O., Ozdemir N., Dincer M., Buyukgungor O.  
DALTON TRANSACTIONS, vol.42, no.14, pp.4957-4969, 2013 (Journal Indexed in SCI)
- XLV. **Ruthenium(II) complexes bearing pyridine-based tridentate and bidentate ligands: catalytic activity for transfer hydrogenation of aryl ketones**  
DAYAN O., DAYAN S., Kani I., Cetinkaya B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.26, no.12, pp.663-670, 2012 (Journal Indexed in SCI)
- XLVI. **Synthesis and catalytic activity of ruthenium(II) complexes containing pyridine-based tridentate triamines ('NNN') and pyridine carboxylate ligands (NO)**  
DAYAN O., Ozdemir N., Serbetci Z., Dincer M., Cetinkaya B., Buyukgungor O.  
INORGANICA CHIMICA ACTA, vol.392, pp.246-253, 2012 (Journal Indexed in SCI)
- XLVII. **Copper(II) and cobalt(II) complexes of 2,6-diacetylpyridine bis(O-methyloxime): A theoretical investigation**

- Ozdemir N., DAYAN O., Dincer M., ÇETİNKAYA B.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.53, no.2, pp.251-259, 2012 (Journal Indexed in SCI)
- XLVIII. **Concomitant polymorphism of a pyridine-2,6-dicarboxamide derivative in a single space group: Experimental and molecular modeling study**  
Ozdemir N., DAYAN O., Cetinkaya B., AKGÜL C.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.614-624, 2012 (Journal Indexed in SCI)
- XLIX. **Synthesis of Ruthenium(II) Complexes Containing Tridentate Triamine ('(NNN)over-cap ') and Bidentate Diamine Ligands ((NN)over-cap ') as Catalysts for Transfer Hydrogenation of Ketones**  
GÜNNAZ S., Ozdemir N., DAYAN S., DAYAN O., Cetinkaya B.  
ORGANOMETALLICS, vol.30, no.15, pp.4165-4173, 2011 (Journal Indexed in SCI)
- L. **Palladium(II) Complexes Containing 2,6-Bis(Imino)Pyridines: Synthesis, Characterization, Thermal Study, and Catalytic Activity in Suzuki Reactions**  
DAYAN O., DOĞAN F., KAYA İ., Cetinkaya B.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.40, no.5, pp.337-344, 2010 (Journal Indexed in SCI)
- LI. **Transfer Hydrogenation of Acetophenone Catalyzed by in situ Generated 2,6-Bis(5-thioxo-4,5-dihydro-1,2,4-triazole-3-yl)pyridine-ruthenium(II) Complexes**  
Cetin A., DAYAN O.  
CHINESE JOURNAL OF CHEMISTRY, vol.27, no.5, pp.978-982, 2009 (Journal Indexed in SCI)
- LII. **Preparation and crystal structure of binuclear chloro{6-[[chloro(triphenylphosphine)platinum] (mesitylimino)methyl]pyridin-2-yl}bis(triphenylphosphine)platinum(II)**  
Gunay M. E., DAYAN O., Gokce A. G., Aygun M., Cetinkaya B., Buyukgungor O.  
POLYHEDRON, vol.27, no.18, pp.3607-3610, 2008 (Journal Indexed in SCI)
- LIII. **Bis{2,6-bis[1-(4-fluorophenylimino)ethyl]pyridine}-1 kappa(3)N,N ',N '';3 kappa(3)N,N ',N ''-di-mu-chlorido-1 : 2 kappa(2)Cl : Cl;-2 : 3 kappa(2)Cl : Cl-trichlorido-1 kappa Cl,2 kappa Cl,3 kappa Cl-2-copper(I)-1,3-dicopper(II)**  
Ozdemir N., Dincer M., DAYAN O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.64, 2008 (Journal Indexed in SCI)
- LIV. **Photocharacterization of novel ruthenium dyes and their utilities as oxygen sensing materials in presence of perfluorochemicals**  
Oter O., Ertekin K., Dayan O., Cetinkaya B.  
JOURNAL OF FLUORESCENCE, vol.18, no.2, pp.269-276, 2008 (Journal Indexed in SCI)
- LV. **Thermal study of ruthenium(II) complexes containing pyridine-2,6-diimines**  
Dogan F., Dayan O., Yurekli M., ÇETİNKAYA B.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.91, no.3, pp.943-949, 2008 (Journal Indexed in SCI)
- LVI. **(2Z,6Z)-N-2,N-2 '-bis(2,6-diisopropylphenyl)-N-1,N-1 '-bis(2-methoxyethyl)pyridine-2,6-dicarboximidine**  
Dincer M., Ozdemir N., DAYAN O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.64, 2008 (Journal Indexed in SCI)
- LVII. **N-(2,6-diisopropylphenyl)-6-[(2,6-diisopropylphenyl)(methacryloyl)aminocarbonyl]pyridine-2-carboximidoyl chloride**  
Aydin A., Dincer M., Dayan O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (Journal Indexed in SCI)
- LVIII. **Synthesis, characterization, and kinetic study of functional polystyrenes**  
Dogan F., Kaya I., Dayan O., Ozdemir E.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.106, no.5, pp.3454-3460, 2007 (Journal Indexed in SCI)
- LIX. **(Acetonitrile){2,6-bis[1-(2,4,6-trimethylphenylimino)ethyl]pyridine} dichloridoruthenium(II) dichloromethane solvate**  
Ozdemir N., Dincer M., Dayan O., Cetinkaya B.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.63, 2007 (Journal Indexed in SCI)

- LX. **Mono- and binuclear ruthenium(II) complexes containing pyridine-2,6-diimine (Pydim) ligands: Synthesis, characterization and catalytic activity in the transfer hydrogenation of acetophenone**  
Dayan O., Cetinkaya B.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.271, pp.134-141, 2007 (Journal Indexed in SCI)
- LXI. **(2,6-bis{1-[4-(dimethylamino)phenylimino]ethyl}pyridine)dichlorido(tri-phenylphosphine-kappa P)ruthenium(II): a zigzag chain of fused centrosymmetric R-2(2)(12) rings**  
Ozdemir N., Dincer M., Dayan O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (Journal Indexed in SCI)
- LXII. **(Acetonitrile){2,6-bis[1-(2-ethyl-6-methylphenylimino)ethyl]pyridine} dichlororuthenium(II) dichloromethane hemisolvate: a chain of edge-fused R-6(6)(24) rings**  
Ozdemir N., Dincer M., Dayan O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.63, 2007 (Journal Indexed in SCI)
- LXIII. **3,3'-(Pyridine-2,6-diyl)bis(4-allyl-4,5-dihydro-1H-1,2,4-triazole-5-thione)**  
Cetin A., Dincer M., Ozdemir N., Dayan O., Cansiz A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)
- LXIV. **Dichloro[(1E,1'E)-1,1'-(pyridine-2,6-diyl)diethanone bis(O-methyloxime)-k(3)N(1),N-2,N-6]cobalt(II)**  
Ozdemir N., Dincer M., Dayan O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (Journal Indexed in SCI)
- LXV. **A mu-chloro-bridged dinuclear ruthenium complex with 9H-carbazole: the formation of one-dimensional linear chains of star-shaped edge-fused rings**  
Dincer M., Ozdemir N., Dayan O., Cetinkaya B., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)
- LXVI. **Dichloro[(1E,1'E)-1,1'-(pyridine-2,6-diyl)diethanone bis(O-methyloxime)-kappa(3) N-1, N-2, N-6]copper(II)**  
Ozdemir N., Dincer M., Dayan O., Cetinkaya B.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (Journal Indexed in SCI)
- LXVII. **5,5'-Pyridine-2,6-diylbis[4-ethyl-2,4-dihydro-1,2,4-triazole-3(2H)-thione]**  
Demir S., Dincer M., Cetin A., Dayan O., Cansiz A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)
- LXVIII. **4,4'-dibenzyl-5,5'-(pyridine-2,6-diyl)bis(3,4-dihydro-2H-1,2,4-triazole-3-thione)**  
Demir S., Dincer M., Cetin A., Dayan O., Cansiz A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **The I-V Characteristics of a New Ru(II) Complex for Different Devices**  
DAYAN O., Şerbetçi Z., Yakuphanoğlu F., Özdemir N., Dere A., TERCAN YAVAŞOĞLU M.  
Journal of Materials and Electronic Devices, vol.2018, no.1, pp.25-29, 2018 (Refereed Journals of Other Institutions)
- II. **"The Novel Ru(II) Complexes for Dye-Sensitized Solar Cells"**  
DAYAN O., Hızır S., Alagöz C., TERCAN YAVAŞOĞLU M.  
Journal of Materials and Electronic Devices, vol.2018, no.1, pp.30-32, 2018 (Refereed Journals of Other Institutions)

III. **DSSC'ler için NNN ligantlar ile kararlaştırılmış Rutenyum malzemeler**

DAYAN O., BİLİCİ A., Yakuphanoglu F., Özdemir N., Şerbetci Z.

International Journal of Innovative Approaches in Science Research, no.2, pp.9-24, 2018 (Refereed Journals of Other Institutions)

**Refereed Congress / Symposium Publications in Proceedings**

- I. **Pd (II) Complexes containing bidentate Schiff base ligands for catalytic reduction/degradation of common water pollutants as catalysts**  
Selvi G., DAYAN O., ÖZDEMİR N.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.158
- II. **Electromagnetic interference shielding properties of Pentacene thin film prepared by thermal evaporation**  
Yakuphanoglu F., DERE A., DAYAN O., ÇOŞKUN B., Aksu Canbay C.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.385-387
- III. **Diode Application of Organometallic Ruthenium Complex with Different Ligand Structures**  
TERCAN YAVAŞOĞLU M., DERE A., ŞERBETÇİ Z., DAYAN O., YAKUPHANOĞLU F.  
6th International Conference on Material Science and Nanotechnology, Aksaray, Turkey, 16 - 18 October 2019
- IV. **Novel Al<sub>2</sub>O<sub>3</sub> Supported Material for catalytic reduction/degradation of common water pollutants as catalysts**  
Selvi G., DAYAN O., ÖZDEMİR N.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.218
- V. **Electromagnetic shielding properties of Sn doped ZnO powder**  
Yakuphanoglu F., DERE A., DAYAN O., Aksu Canbay C.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.383-384
- VI. **Ruthenium (II) Complexes Containing Bidentate Schiff Base Ligands: Synthesis, Characterization, In Vitro Cytotoxicity and Antibacterial Activity**  
Selvi G., ÖZDEMİR F. A. , Aykutoğlu G., ÖZDEMİR N., şerbetçi z., çetinkaya b., DAYAN O.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.159
- VII. **Photo Diode-Specific Ruthenium(II) Complex**  
TERCAN YAVAŞOĞLU M., DERE A., ŞERBETÇİ Z., DAYAN O., YAKUPHANOĞLU F.  
6th International Conference on Material Science and Nanotechnology, Aksaray, Turkey, 16 - 18 October 2019
- VIII. **Diode Application Of Organometallic Ruthenium Complex**  
Serbetci Z., DAYAN O.  
1st International Conference on Optoelectronics, Applied Optics and Microelectronics - 2019, Namin, Ardabil, Iran, 17 - 19 August 2019, pp.1-6
- IX. **TRI-DENTATE BENZIMIDAZOLE TYPE LIGANDS BEARING RU(II) COMPLEXES AS DSSC PHOTSENSITIZERS (Oral Presentation)**  
TERCAN M., DAYAN O.  
3 rd International Conference on Organic Electronic Material Technologies (OEMT2018), Edirne, Turkey, 20 - 22 September 2018, pp.79
- X. **TRI-DENTATE BENZIMIDAZOLE TYPE LIGANDS BEARING RU(II) COMPLEXES AS DSSC PHOTSENSITIZERS**  
TERCAN YAVAŞOĞLU M., DAYAN O.  
3 rd International Conference on Organic Electronic Material Technologies (OEMT2018), Edirne, Turkey, 20 - 22



September 2018, pp.79

- XI. **Synthesis and Electro-Optic Properties of Nanosized-Lithium Doped Nickel Oxide Thin Film**  
ŞERBETÇİ Z., DAYAN O.  
5th International conference on materials science and nanotechnology for next generation (MSNG2018), 4 - 06 September 2018
- XII. **CATALYTIC ACTIVITY OF [NiCl<sub>2</sub>L<sub>2</sub>] (L: AROMATIC SULFONAMIDE LIGAND) FOR HYDROGENATION OF NITROARENES**  
DAYAN O.  
III. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Gaziantep, Turkey, 21 - 22 June 2018, pp.256
- XIII. **SYNTHESIS OF POLY(2-VINYL PYRIDINE)-RUTHENIUM COMPLEX MATERIAL INTENDED FOR HYDROGEN ENERGY APPLICATIONS**  
Başaran İ., KARACAN E., ORAL A., DAYAN O.  
International Congress on Fundamental and Applied Sciences, Skopje, Macedonia, 18 - 22 June 2018, pp.119
- XIV. **Synthesis and DSSC Applications of New Ruthenium Complexes Bearing Benzimidazole Type Ligands**  
TERCAN YAVAŞOĞLU M., DAYAN O.  
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 07 October 2017
- XV. **Synthesis and DSSC Applications of New Ru Complexes Bearing Benzimidazole Type Ligands (Oral Presentation)**  
TERCAN M., DAYAN O.  
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, Ankara, Turkey, 5 - 07 October 2017, pp.37
- XVI. **Photodiodes based on binuclear Ruthenium(II) complexes containing pyridine-2,6-diimine (Pydim) ligands**  
ŞERBETÇİ Z., DAYAN O., SOYLU M.  
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Sarajevo, Bosnia And Herzegovina, 28 - 30 June 2017, pp.267-268
- XVII. **Preparation of a Cobalt Based New Material for Hydrogenation of 2nitroaniline**  
DAYAN O., YATKIN S., TERCAN YAVAŞOĞLU M.  
3rd International NANOSCIENCE & NANOTECHNOLOGY FOR NEXT GENERATION (NaNoNG 2016) Conference, 20 - 22 October 2016, pp.77-83
- XVIII. **Preparation of a Cobalt Based New Material for Hydrogenation of 2nitroaniline**  
DAYAN O., YATKIN S., TERCAN YAVAŞOĞLU M.  
NANOSCIENCE & NANOTECHNOLOGY FOR NEXT GENERATION INTERNATIONAL CONFERENCE 2016, Antalya, Turkey, 20 - 22 October 2016, pp.77-83
- XIX. **Ruthenium II Complexes With Tridentate Benzimidazole Ligands New Dyes for Dye Sensitized Solar Cell**  
DAYAN O., BİLİCİ A., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N.  
NANOSCIENCE & NANOTECHNOLOGY FOR NEXT GENERATION INTERNATIONAL CONFERENCE 2016, Antalya, Turkey, 20 - 22 October 2016, pp.42
- XX. **PdII Impregnated MWCNT SiO<sub>2</sub> Fe<sub>3</sub>O<sub>4</sub> Materials and Its Application in the Hydrogenation of Nitroarene**  
DAYAN S., ÖZPOZAN N., KAYACI N., DAYAN O., ÖZDEMİR N.  
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.143
- XXI. **Ruthenium II complexes bearing 2,2-pyridine-2,6-diylbis(5,6-dimethyl-1H-benzimidazole) ligands**  
**Synthesis, characterization and applications on DSSC as dye**  
DAYAN O., BİLİCİ A., ŞERBETÇİ Z., YAKUPHANOĞLU F., ÖZDEMİR N.  
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.80
- XXII. **Synthesis and DSSC applications of Ru complexes bearing benzimidazole type ligands (Oral**

**Presentation)**

TERCAN M., DAYAN O.

2 nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.39

- XXIII. **Synthesis and Characterization of a New Metal-Organic Hybrid Material**  
YATKIN S., DAYAN O., TERCAN M.  
2 nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.164
- XXIV. **Synthesis and Characterization of a New Metal-Organic Hybrid Material**  
YATKIN S., DAYAN O., TERCAN YAVAŞOĞLU M.  
2 nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.164
- XXV. **Synthesis and DSSC applications of Ru complexes bearing benzimidazole type ligands**  
TERCAN YAVAŞOĞLU M., DAYAN O.  
2 nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016, pp.39
- XXVI. **Ruthenium II complexes bearing 2,2-pyridine-2,6-diylbis(5,6-dimethyl-1H-benzimidazole) ligands  
Synthesis characterization and applications on DSSC as dye**  
DAYAN O., BİLİCİ A., Serbetci Z., Yakuphanoglu F., ÖZDEMİR N.  
2nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.80
- XXVII. **Synthesis and Catalytic Activity Studies of Ru Complexes Bearing 2-(1H-Benzimidazol-2-yl)quinoline Derivatives**  
TERCAN YAVAŞOĞLU M., DAYAN O., ÖZDEMİR N.  
INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 27 October - 01 November 2015, pp.256
- XXVIII. **Ruthenium II complexes bearing imine bond and N Donor ligand as sensitizers for dye sensitized solar cell DSSC**  
DAYAN S., YILDIZ Y., ÖZPOZAN N., DAYAN O.  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNONG) 2015, 29 - 31 October 2015, pp.78
- XXIX. **New dyes for DSSCs Ruthenium II complexes bearing tridentate triamine ligands**  
DAYAN O., BİLİCİ A., şerbetci z., YAKUPHANOĞLU F., ÖZDEMİR N.  
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNONG) 2015, 29 - 31 October 2015, pp.62
- XXX. **Synthesis and Catalytic Activity Studies of Ru Complexes Bearing 2-(1H-Benzimidazol-2-yl)quinoline Derivatives**  
TERCAN M., DAYAN O., ÖZDEMİR N.  
1st International Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.256
- XXXI. **Yeni Bazı Sülfonat Esterlerinin Sentezi ve Yapılarının Aydınlatılması**  
ÇETİN A., DAYAN O., ÖZDEMİR N., AKGÜL C.  
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015
- XXXII. **Fabrication of ruthenium material stabilized with pyridine-2,6-dicarboxamide determination of the performance in the Dye Sensitized Solar Cell DSSC and catalytic activity in the reduction of ketones and nitroarenes**  
DAYAN O., DAYAN S., Kayaci N., ÖZPOZAN N.  
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), 25 - 28 March 2015, pp.199
- XXXIII. **Ruthenium nanoparticles supported on 2,6-bis(2-benzimidazolyl)pyridine A new dye for DSSCs**  
DAYAN O., BİLİCİ A., şerbetci z., YAKUPHANOĞLU F., ÖZDEMİR N.

1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Elazığ, Turkey, 25 - 28 March 2015, pp.52

- XXXIV. **Antibacterial activity of ruthenium doped zinc oxide thin films prepared by the sol-gel technique**  
İspir Ü., Şerbetcı Z., DAYAN O.  
NANONG14, Elazığ, Turkey, 20 - 22 August 2014, pp.194
- XXXV. **Piridil-benzimidazol Ligantları İçeren Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Özellikleri**  
Demirmen S., DAYAN O.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.88
- XXXVI. **2,6-Bis(benzimidazol-2-il)piridinyum Monokloro Mono(Aril)Sulfonatların Sentezi, Karakterizasyonu**  
DAYAN O., TERCAN YAVAŞOĞLU M., ÖZDEMİR N., ÇETİNKAYA B.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.120
- XXXVII. **Bis-[N-(piridin-2-ilmetil)arilsulfonamit]-palladyum(II) Komplekslerinin Sentezi ve Karakterizasyonları**  
Dayan S., Özdemir N., DAYAN O., Özpozan Kalaycıoğlu N.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.121
- XXXVIII. **2,6-Bis(benzimidazol-2-il)piridinyum Monokloro Mono(Aril)Sulfonatların Sentezi, Karakterizasyonu**  
DAYAN O., TERCAN YAVAŞOĞLU M., Özdemir N., Çetinkaya B.  
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.120
- XXXIX. **Benzimidazol Ligantları İçeren Yeni Rutenyum(II) Komplekslerinin Sentezi Ve Katalitik Aktifliklerinin İncelenmesi**  
DİLEK D., DAYAN O.  
4th National Catalysis Conference, Kocaeli, Turkey, 1 - 04 March 2012, pp.16
- XL. **o-Fenilendiaminden Türeyen Sulfonamid/ Schiff Bazı Ligantları İçeren Metal Komplekslerinin Sentezi**  
DEMİR MEN S., ÇİM G., DAYAN O.  
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 1 - 04 May 2011, pp.223
- XLI. **2-Aril-1H-Benzimidazol Ligantları İçeren Cu(II) Komplekslerinin Sentezi, Karakterizasyonu, Antimikrobiyel Özellikleri Ve Katalitik Uygulamaları**  
DİLEK D., ÖZDEMİR N., ŞERBETÇİ Z., AKGÜL C., DAYAN O.  
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 1 - 04 May 2011, pp.330
- XLII. **Düzlemsel Üçdişli Triamin (NN`N) Ve 2,2`-Bipiridin Ligantları İçeren Karışık Ligantlı-Katyonik Ru(II) Komplekslerinin Sentezi Ve Katalitik Uygulamaları**  
DAYAN O., ÇETİNKAYA B., KANİ İ.  
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 1 - 04 May 2011, pp.222
- XLIII. **2-Aril-1H-Benzimidazol Ligantları İçeren Cu(II) Komplekslerinin Sentezi, Karakterizasyonu, Antimikrobiyel Özellikleri Ve Katalitik Uygulamaları**  
DİLEK D., ÖZDEMİR N., ŞERBETÇİ Z., AKGÜL C., DAYAN O.  
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, pp.330
- XLIV. **Siklobütan Süstitüe Tiyazol Grubu İçeren Bazı Schiff Bazlarının Susuz Ortamda Titrasyonu**  
DAYAN O., ÇUKUROVALI A.  
XIV. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 1 - 04 September 2010
- XLV. **Piridin Halkası İçeren Üç Dişli Triamin (NN`N) Ligantlar Bulundurankarışık Ligantlı Rutenyum(II) Pridin Karboksilat Kompleksleri**  
DAYAN O., ÇETİNKAYA B.  
Organometalik Kimya Ve Kataliz Çalıştayı, Malatya, Turkey, 1 - 04 May 2010, pp.47
- XLVI. **2,6-Bis(İmino)Piridin Ligantları İçeren Paladyum(II) Kompleksleri: Sentezleri, Karakterizasyonu Ve Suzuki Eşleşme Tepkimesindeki Katalitik Etkileri**  
DAYAN O., ÇETİNKAYA B.  
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 1 - 04 May 2009, pp.225
- XLVII. **Copper(II) and Cobalt(II) complexes of 2,6-diacetylpyridine bis(O-methyloxime)**  
DİNÇER M., ÖZDEMİR N., DAYAN O., ÇETİNKAYA B.

24th European Crystallographic Meeting, ECM24, Morocco, 1 - 04 August 2007

- XLVIII. **Piridindiimin Ligandı İçeren Rutenyum(II)-Piridindikarboksilat Kompleksleri**  
DAYAN O., ÇETİNKAYA B.  
1. Ulusal Anorganik Kimya Günleri, Adana, Turkey, 1 - 04 April 2007, pp.74
- XLIX. **Yeni Çift Çekirdekli Rutenyum Komplekslerinin Termal Özelliklerinin İncelenmesi**  
DAYAN O., DOĞAN F., KAYA İ., Çetinkaya B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- L. **Mononükleer Rutenyum Komplekslerinin Isısal Bozunma Kinetiği**  
DOĞAN F., DAYAN O., GÜLCEMAL S., Yürekli M., Çetinkaya B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- LI. **Asetofenonun Transfer Hidrojenasyonunda Ru(II) Komplekslerinin Rolü**  
DAYAN O., ÇETİNKAYA B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 1 - 04 September 2006, pp.10
- LII. **Mononükleer Rutenyum Komplekslerinin Isısal Bozunma Kinetiği**  
DAYAN O., DOĞAN F., GÜLCEMAL S., YÜREKLİ M., ÇETİNKAYA B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 1 - 04 September 2006, pp.139
- LIII. **Pridindiimin Ligandı İçeren Ru(II) Komplekslerinin Termal Davranışları**  
DAYAN O., DOĞAN F., YÜREKLİ M., ÇETİNKAYA B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 1 - 04 September 2006, pp.110
- LIV. **Yeni Çift Çekirdekli Rutenyum Komplekslerinin Termal Özelliklerinin İncelenmesi**  
DAYAN O., DOĞAN F., KAYA İ., ÇETİNKAYA B.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 1 - 04 September 2006, pp.111
- LV. **dinükleer rutenyum(II) komplekslerinin ısısal bozunma kinetiği**  
DOĞAN F., DAYAN O., yürekli m., çetinkaya b.  
XIX. Ulusal Kimya Kongresi, Kuşadası, Turkey, 30 September - 04 October 2005, pp.659
- LVI. **Dinükleer Rutenyum(II) Komplekslerinin Isısal Bozunma Kinetiği**  
DAYAN O., DOĞAN F., YÜREKLİ M., ÇETİNKAYA B.  
XIV. Ulusal Kimya Kongresi, Aydın, Turkey, 1 - 04 September 2005, pp.659
- LVII. **Pridin-2,6-Dikarboksimitamitlerin Sentezi Ve Karakterizasyonu**  
DAYAN O., ÇETİNKAYA B.  
XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 1 - 04 September 2005, pp.366
- LVIII. **Dinükleer Rutenyum(II) Komplekslerinin Sentezi Ve Karakterizasyonu**  
DAYAN O., ÇETİNKAYA B.  
XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 1 - 04 September 2005, pp.367
- LIX. **Dimer Yapıda Rutenyum Kompleksi İle Spektroflorimetrik Oksijen Tayini**  
DAYAN O., ÖTER Ö., ERTEKİN K., ÇETİNKAYA B.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 1 - 04 July 2004, pp.58
- LX. **Üç Dişli Ve Dinükleer Rutenyum(II) Komplekslerinin Sentezi Ve Karakterizasyonu**  
DAYAN O., ÇETİNKAYA B.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 1 - 04 July 2004, pp.364
- LXI. **Yeni Sentezlenen İki Rutenyum Kompleksinin Absorpsiyon Ve Emisyon Spektral Özelliklerinin İncelenmesi**  
SEYHAN S., DAYAN O., ALP S., ÇETİNKAYA B.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 1 - 04 July 2004, pp.370
- LXII. **MeOH ve EtOH İle Esterleştirilen m-PS'in Karakterizasyonu ve Bazı Fiziksel Özelliklerinin İncelenmesi**  
Şirin K., DOĞAN F., ORAL A., DAYAN O.  
1st Aegean Physical Chemistry Days, Turkey, 1 - 04 June 2002
- LXIII. **MeOH ve EtOH ile esterleştirilen m-PS 'in karakterizasyonu ve bazı fiziksel özelliklerinin incelenmesi**  
DOĞAN F., ŞİRİN K., ORAL A., DAYAN O.  
I. Aegean Physical Chemistry Days, İzmir, Turkey, 5 - 07 April 2002, pp.117

## Supported Projects

- DAYAN O., SELVİ G., Project Supported by Higher Education Institutions, Yeni ikidışli Schiff bazı ligantlar içeren geçiş metal komplekslerinin sentezi ve karakterizasyonu, 2019 - Continues
- DAYAN O., ÖZDEMİR F. A. , ŞERBETÇİ Z., ÖZDEMİR N., TERCAN YAVAŞOĞLU M., Project Supported by Higher Education Institutions, İkidışli Schiff bazı ligantları içeren yeni geçiş metal komplekslerinin sentezi ve katalitik/biyolojik aktivitelerinin incelenmesi, 2019 - 2020
- DAYAN O., ÖZDEMİR N., ERDENER D., TERCAN YAVAŞOĞLU M., Project Supported by Higher Education Institutions, Yeni boranil bileşiklerin sentezi ve optik özellikleri Deneysel ve teorik çalışma, 2018 - 2019
- DAYAN O., TERCAN YAVAŞOĞLU M., Project Supported by Higher Education Institutions, İKİ- VE ÜÇ- DİŞLİ BENZİMİDAZOL LİGANTLAR İÇEREN YENİ RUTENYUM KOMPLEKSLERİN SENTEZ VE KARAKTERİZASYONLARI: DSSC'LER İÇİN YENİ BOYALAR, 2018 - 2018
- DAYAN O., Project Supported by Higher Education Institutions, Boya Duyarlı Güneş Hücreleri için yeni Ru(II) kompleksleri, 2016 - 2017
- Dayan O., Bilici A., TUBITAK Project, Yeni Rutenyum Boyalar: Güneş Pilleri için Deneysel ve Teorik Araştırma, 2014 - 2017
- DAYAN O., TERCAN YAVAŞOĞLU M., Project Supported by Higher Education Institutions, 2-(1H-Benzimidazol-2-il)kinolin türevleri içeren Ru komplekslerinin sentezi ve katalitik aktivitelerinin incelenmesi, 2014 - 2015
- DAYAN O., Kağıt R., Project Supported by Higher Education Institutions, Arensülfonat-Schiff Bazı Ligantları İçeren Geçiş Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Uygulamaları, 2014 - 2015
- DAYAN O., DEMİRMEN S., Project Supported by Higher Education Institutions, Piridil-benzimidazol Ligantları İçeren Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Özellikleri, 2013 - 2014
- DAYAN O., DİLEK D., Project Supported by Higher Education Institutions, Benzimidazol Türevleri İçeren Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Özelliklerinin İncelenmesi, 2012 - 2013
- BİLİCİ A., DAYAN O., TUBITAK Project, Hidroksifonksiyonlu Kinolin Monomerlerinin Polimerizasyonu ve Isısal Bozunma Kinetiğinin İncelenmesi, 2010 - 2012
- DAYAN O., TUBITAK Project, o-Fenilendiaminden Türeyen Sulfolamid/ Schiff Bazı Ligantları İçeren Metal Komplekslerinin Sentezi, Karakterizasyonu ve Katalitik Aktifliği, 2010 - 2011
- DAYAN O., ALGI F., Project Supported by Higher Education Institutions, Piridin İçeren Düzlemsel Üçdışli N3 Ligandlarının Geçiş Metal Kompleksleri ve Katalitik Özellikleri, 2009 - 2011
- Dayan O., TUBITAK Project, PİRİDİN HALKASI İÇEREN ÜÇ DİŞLİ TRİAMİN LİGANTLARININ (NN'N) GEÇİŞ METAL KOMPLEKSLERİ VE KATALİTİK ÖZELLİKLERİ, 2008 - 2010
- DAYAN O., TUBITAK Project, Polinorbornadien-kil Nanokompozitlerinin Halka Açılma Polimerizasyonu İle Sentezi Ve Karakterizasyonu, 2008 - 2010

## Activities in Scientific Journals

Celal Bayar University Journal of Scien, Evaluation Committee Member, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

KİMYAGERLER DERNEĞİ, Member, 2007 - Continues

## Scientific Refereeing

TUBITAK Project, March 2016  
Applied organometallic Chemistry, SCI Journal, February 2016  
February 2016

TURKISH JOURNAL OF CHEMISTRY, SCI Journal, January 2013  
TUBITAK Project, January 2013  
Project Supported by Higher Education Institutions, December 2012  
Project Supported by Higher Education Institutions, December 2012  
TUBITAK Project, November 2012  
Spectrochimica acta part a: molecular and biomolacular spectroscopy, SCI Journal, October 2012  
Project Supported by Higher Education Institutions, July 2012  
Spectrochimica acta part a: molecular and biomolacular spectroscopy , SCI Journal, June 2012  
Applied Organometallic Chemistry, SCI Journal, June 2012  
Project Supported by Higher Education Institutions, May 2012  
Spectrochimica acta part a: molecular and biomolacular spectroscopy, SCI Journal, November 2011  
Project Supported by Higher Education Institutions, October 2011  
Synthesis and reactivity in inorganic, metal-organic, and nano-metal chemistry, SCI Journal, July 2011  
TUBITAK Project, May 2011

### **Scientific Research / Working Group Memberships**

American Nano Society, ACS, United States Of America, <http://nanosociety.us/about/society.html>, 2011 - Continues

### **Citations**

Total Citations (WOS):527

h-index (WOS):13