KİMYA BÖLÜMÜ

2018 YILI EĞİTİM-ÖĞRETİM FAALİYETLERİ

1. Faaliyet ve Proje Bilgileri

1.1. Faaliyet Bilgileri

FAALİYET TÜRÜ	SAYISI
Sempozyum ve Kongre	
Konferans	
Panel	
Seminer	1
Açık Oturum	
Söyleşi	
Tiyatro	
Konser	
Sergi	
Turnuva	
Teknik Gezi	
Eğitim Semineri	

1.2. Yayınlarla İlgili Faaliyet Bilgileri

İndekslere Giren Hakemli Dergilerde Yapılan Yayınlar

YAYIN TÜRÜ	SAYISI
Uluslar arası Makale	33
Ulusal Makale	1
Uluslar arası Bildiri(poster+sözlü)	31+19
Ulusal Bildiri(poster+sözlü)	2+2
Kitap	

MAKALE

SCI, SCI-E, E-SCI

1. **“**Ion imprinted cryogel-based supermacroporous traps for selective separation of cerium(III) in real samples” ,Rüstem Keçili , Ibrahim Dolak , Berrin Ziyadanogulları , Arzu Ersoz , Rıdvan Say , Journal of Rare Earths 36 (2018) 857-862.

2. **"**Molecularly imprinted affinity cryogels for the selective recognition of myoglobin in blood serum" Ibrahim Dolak , Rüstem Keçili , , Ruken Onat , Berrin Ziyadanogullar ı , Arzu Ersoz , Rıdvan Say , Journal of Molecular Structure 1174 (2018) 171-176
3. Kayan, C.; Meriç, N.; Rafikova, K.; Zazybin, A.; Gurbuz, N.; **Karakaplan, M**.; Aydemir, M. A new class of well-defined ruthenium catalysts for enantioselective transfer hydrogenation of various ketones, *Journal of Organometallic Chemistry*, 869, 37-47, 2018.
4. Salman, Y., Barlas, F. B., **Yavuz, M.,** Kaya, K., Timur, S. Telli, F. Ç. "Synthesis, Characterization and Biological Application of DinuclearCu(II) Complexes of Schiff Base Ligands of Galactochloralose and α-Chloralose" *InorganicaChimicaActa,* **483**, 98–105, 2018.
5. S. Kaplan, G. Öztürk*, S. Ş. Azizoğlu, M. Toğrul and Y. Turgut* **"**Synthesis of ChiralTripodalReceptorsUnderSolvent-FreeConditions Using MicrowaveIrraditonsforInvestigation of AnionandCationRecognitionProperties", *Arkivoc*, accepted.
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8. Karakas, D. E., Aydemir, M., Durap, F., Baysal, A., "Chiral C-2-symmetric η6-p-cymene-Ru(II)-phosphinite complexes: Synthesis and catalytic activity in asymmetric reduction of aromatic, methyl alkyl and alkyl/aryl ketones" Inorg. Chim. Acta, 471, 430-439, 2018
9. Yasar, S., Cekirdek, S., Binbay, N. E., Tombak, A., Ocak, Y. S., Arslan, N., Baysal, A., Aydemir, M., Durap, F., "Electrical and photoelectrical characterization of organic-inorganic heterostructures based on Ru-N-heterocyclic carbene complexes" Optik, 156, 514-521, 2018.
10. Al-bayati, Y. W. A., Karakas, D. E., Meriç, N., Aydemir, M., Durap, F., Baysal, A., "Ferrocene based chiral binuclear eta(6)-benzene-Ru(II)-phosphinite complexes: Synthesis, characterization and catalytic activity in asymmetric reduction of ketones" Appl. Organometal. Chem., 32, e3919 (DOI: 10.1002/aoc.3919), 2018.
11. Y. W. A. Al-Bayatı, D. Elma Karakas, N. Meric, M. Aydemir, F. Durap, A. Baysal, "Ferrocenebasedchiralbinucleareta(6)-benzene-Ru(II)-phosphinitecomplexes:

Synthesis, characterizationandcatalyticactivity in asymmetricreduction of ketones", **Applied Organometallic Chemistry 32 (2018) 3919-3929.**

12. C. Kayan, N. Meriç, K. Rafikova, A. Zazybin, N. Gürbüz, M. Karakaplan, M. Aydemir, 'A newclass of well-definedrutheniumcatalystsforenantioselective transfer hydrogenation of variousketones' Journal Of OrganometallıcChemistry, 869, 2018, 37-47.
13. A. Bulut, M.Yurderi, M. Kaya, M. Aydemir, A. Baysal, F. Durap, M. Zahmakiran, 'Amine-functionalizedgraphenenanosheet-supportedPdAuNialloynanoparticles: efficientnanocatalystforformicaciddehydrogenation'NEW JOURNAL OF CHEMISTRY, 42, 2018, 16103-16114.
14. A. Kilic, İ. H. Kaya, İ. Ozaslan, M. Aydemir, F. Durap, 'Catechol-TypeLigandContaining New Modular Design DioxaborinaneCompounds: Use İn The Transfer Hydrogenation Of VariousKetones' CatalysısCommunıcatıons, 111, 2018, 42-46.
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16. A. Bulut, M. Aydemir, F. Durap, M. Gulcan, M. Zahmakiran, 'PalladiumNanoparticlesSupported on HydroxyapatiteNanospheres: Highly Active, ReusableandGreenCatalystfor Suzuki - Miyaura Cross CouplingReactionsunderAerobicConditions' CHEMISTRYSELECT, 3, 2018, 1569-1576.
17. Cumali Keskin, Hasan Çetin Özen, ZuhalToker, **Göksel Kızıl,** Murat Kızıl, 2018, *Astragalusdiphtherites* FENZL var. *Diphtherites* ve *Astragalus gymnalopecias* RECH. FIL'in Gövde ve kök kısımlarından Farklı çözücüler ile Elde Edilen Özütlerin *In-vitro* Antioksidan ve Antimikrobial Özelliklerinin Belirlenmesi. KSU J. Agric Nat 21(2):157-166.
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21. DE. Karakas, M. Aydemir, F.Durap, A. Baysal, 'Chiral C-2-symmetric eta(6)-p-cymene-Ru(II)-phosphinitecomplexes: Synthesisandcatalyticactivity in asymmetricreduction of aromatic, methylalkylandalkyl/arylketones'InorganıcaChımıcaActa, 471, 2018, 430-439.
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23. **B. Çeken Toptancı**., "Oxidative DNA DamageProtectiveAbility of *Punicagranatum*" Iğdır Üni. Fen Bilimleri Enst. Der. / Iğdır Univ. J. Inst. Sci. &Tech. 8(3): 177-181, (2018).
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27. **Baysal, Z.,** Aksoy, E., Dolak, İ., Ersöz, A., Say, R.."Adsorption Behaviours of Lysozyme onto Poly-Hydroxyethyl Methacrylate Cryogels Containing MethacryloylAntipyrine-Ce(III)" International Journal of Polymeric Materials Polymeric Biomaterials. **67** (4), 199-204, 2018.
28. Gülsen Tel-Çayan, ZainUllah, Mehmet Öztürk, Murat Yabanlı, **Fırat Aydın**, and Mehmet Emin Duru " Heavy Metals, Trace and Major Elements in 16 Wild

Mushroom Species Determined by ICP-MS" Atomic Spectroscopy Vol. 39(1), Jan/Feb. 2018.

29. Elif Varhan Oral, Özge Tokul-Ölmez, İsmail Yener, Mehmet Firat, Zeki Tunay,Pınar Terzioğlu, **Fırat Aydin,** Mehmet Öztürk &Abdulselam Ertaş "Trace Elemental Analysis of Allium Species by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) withMultivariateChemometrics" AnalytıcalLetters DOI: 10.1080/00032719.2018.1460376 Vol. 51(18), pp. 1-17. 2018.
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33. Mehmet Düzgün, FıratBaran, ŞerifKahraman and **M.ZahirDüz** Determination of Trace Elements in Karacadağ Rice by ICP-OES. International Engineering and Natural Sciences Conference (IENSC 2018), Nov. 2018

Uluslararası hakemli dergi

1.

UlusalHakemliDergi

1. Çakır, O., Bakhspour, M., Yılmaz, F., **Baysal, Z.** "Pestisittayiniiçinnanopartiküllerleduyarlılığıarttırılmışmolekülerbaskılamatemelliyüzeyplazmonrezonanssensörlerinhazırlanması" IğdırÜnv. Fen Bilimleri Ens. Dergisi.8(3), 219-226, 2018

BİLDİRİ

Uluslararası Poster Bildiri

1. KARAKAPLAN Mehmet, Şafak Özhan KOCAKAYA, A Computational Approach Towards Ptp1b Enzyme Inhibition By Chiral B-Amino Alcohols, The İnternational Engineering and Natural Sciences Conference, 14-17 Nov. 2018, Diyarbakır/ Turkey.
2. N. E. Binbay, N. Meriç, N. Arslan, C. Kayan, A. Baysal, M. Aydemir, '**Dft (Density Functional Theory) Studies Of Ruthenium Complexes'** International Engineering and Natural Sciences Conference (IENSC 2018), 11-12.
3. C. Kayan, N. Meriç, N. Arslan, V. Okumuş, A. Baysal, M. Aydemir, **Investigation Of Antibacterial Properties Of Two Ruthenium (II) Complexes,** International Engineering and Natural Sciences Conference (IENSC 2018), 13-14.
4. N. ARSLAN, N. MERIÇ, V. OKUMUŞ, C. KAYAN, F. DURAP, M. AYDEMİR **'DNA Binding And DNA Cleavage Activity of Ru (II) Complexes',** International Engineering and Natural Sciences Conference (IENSC 2018), 7-8.
5. N. ARSLAN, N. MERIÇ, V. OKUMUŞ, C. KAYAN, N. E. BİNBAY, F. DURAP, M. AYDEMİR' **Investigation Of The Radical Scavenging And Reduction Power Of Ionic Liquid Based Ruthenium (Ii) Complexes'** , International Engineering and Natural Sciences Conference (IENSC 2018), 9-10.
6. N. E. Binbay, N. Meriç, N. Arslan, C. Kayan, A. Baysal, M. Aydemir, '**Dft (Density Functional Theory) Studies Of Ruthenium Complexes'** International Engineering and Natural Sciences Conference (IENSC 2018), 11-12.
7. C. Kayan, N. Meriç, N. Arslan, V. Okumuş, A. Baysal, M. Aydemir, **Investigation Of Antibacterial Properties Of Two Ruthenium (Ii) Complexes,** International Engineering and Natural Sciences Conference (IENSC 2018), 13-14.
8. N. Meriç, N. Arslan, C. Kayan, M. Aydemir, '**Transfer Hydogenation Reaction Using Novel Chiral Ionic Liquid Based Rh(I)-Phosphinite Complexes As Catalyst'**International Engineering and Natural Sciences Conference (IENSC 2018), 15-16.
9. Mehmet SelimGün, HalitDemir, **Göksel Kızıl**, İsmetMeydan, 2018. Antioxidant activity of Tunceli Garlic (Allium Tuncelianum) investigation of preventive effect of Lipid peroxidation in Rat liver Homogenous, International Veterinary Biochemistry and Clinical Biochemistry Congress, 12-15 April, Hatay, Turkey.
10. Mehmet SelimGün, HalitDemir, **Göksel Kızıl**, İsmetMeydan, 2018. Investigation of Protein Oxidation Prevention activity in Different Concentration of Garlic (*Allium Tuncelianum*). International Agricultural Science Congress, 09-12 May, Van , Turkey.

11. Çeken Toptancı, B., Akay Bülbül F.Z., İnceören N., Kızıl, G., Kızıl., M. Antioxidantand DNA CleavageProtective Activity of HeracleumPersicum. The 4th International Symposium on EuroAsianBiodiversity**, Poster sunumu**, Kiev/Ukrayna 03-06 Temmuz 2018.

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14. Çeken Toptancı, B., Demirci Ö., Kızıl, G., Kızıl., M. CombinedEffects of Pesticides on DNA. The 4th International Symposium on EuroAsianBiodiversity, **Poster sunumu**, Kiev/Ukrayna 03-06 Temmuz 2018.

15. N. ARSLAN, N. MERIÇ, V. OKUMUŞ, C. KAYAN, F. DURAP, M. AYDEMİR **'DNA Binding And DNA Cleavage Activity of Ru (II) Complexes',** International Engineering and Natural Sciences Conference (IENSC 2018), 7-8.

16. N. ARSLAN, N. MERIÇ, V. OKUMUŞ, C. KAYAN, N. E. BİNBAY, F. DURAP, M. AYDEMİR' **Investigation Of The Radical Scavenging And Reduction Power Of Ionic Liquid Based Ruthenium (Ii) Complexes'** , International Engineering and Natural Sciences Conference (IENSC 2018), 9-10.

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18. C. Kayan, N. Meriç, N. Arslan, V. Okumuş, A. Baysal, M. Aydemir, **Investigation Of Antibacterial Properties Of Two Ruthenium (Ii) Complexes,** International Engineering and Natural Sciences Conference (IENSC 2018), 13-14.

19. N. Meriç, N. Arslan, C. Kayan, M. Aydemir, '**Transfer Hydogenation Reaction Using Novel Chiral Ionic Liquid Based Rh(I)-Phosphinite Complexes As Catalyst'**International Engineering and Natural Sciences Conference (IENSC 2018), 15-16.

20. Çakır, O., Yılmaz, F., **Baysal, Z.,** Denizli, A. " Preparationandapplication of surfaceplasmonresonancesensorsbased on molecularlyimprintedfordetection of pesticide in greenpepper". TURCM S 2017-*III. International TurkishCongress on MolecularSpectroscopy,* P181, page: 315, 26-29 August 2017. Bodrum Turkey (Uluslararası)

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22. Figen EREK, Isil AYDİN**, FiratAYDIN**"Content of Trace Elements of Salt in Turkey" International Trace Analysis Congress (ITAC) 2018 Cumhuriyet University 20-23 June 2018 poster presentation 50 pp.144 Sivas-Turkey

23. Isil AYDİN, Figen EREK, **FiratAYDIN**, "Heavy metals analysis of clay masks by FAAS" International Trace Analysis Congress (ITAC) 2018 Cumhuriyet University 20-23 June 2018 poster presentation 51 pp.145 Sivas-Turkey

24. Mehmet Akdeniz, AbdulselamErtas, IsilAydın, Mehmet Firat,**FiratAydin** "The Aroma Compositon of Hypericumarmenum and H. orientale by Using GC- MS/FID Head Space" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 77 pp.143.

25. HaticeÇakirca, AbdulselamErtas, Mehmet Fırat, Ismail Yener, EsraYarış, Mehmet Akdeniz, HüseyinAlkan, **FiratAydin**, UfukKolak, IsilAydın "The Biological Activities of Essential Oil of Salvia rosifolia and Salvia syriacafrom Anatolia" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 78 pp.144.

26. Mehmet Akdeniz, Mustafa Abdullah Yılmaz, IsilAydın, YeterYeşil, İsmail Yener, EsraYarış, AbdulselamErtaş, **FiratAydin** "The Chemical Composition of HypericumPerferatum Collected from Different Localities by Using LC-MS/MS" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 79 pp.145.

27. . Mehmet Akdeniz, Mehmet Fırat, IsilAydın, Ismail Yener, Mustafa Abdullah Yılmaz, AhmetOnay, AbdulselamErtaş, **FiratAydin** "The Essential Oil and Aroma Compositon of Hypericumretusum"8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 80 pp.146.

28. HaticeCakirca, **FiratAydin**, EsraYarış, Mehmet Fırat, Mustafa Abdullah Yılmaz, Ismail Yener, Isi l Aydın, UfukKolak, AbdulselamErtas "The Biological Activities of Essential Oil of Salvia blepharochlaena and Salvia hydrangea from Anatolia" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 81 pp.147.

29. Figen EREK, **FiratAydin**, IsilAydın "A Different Spectrophotometric Method For the Determination of Carvedilol" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 82 pp.148.

30. Mehmet Akdeniz, Mustafa Abdullah Yılmaz, **FiratAydin**, IsilAydın, YeterYeşil, İsmail Yener, BirgulCelik, HüseyinAlkan, AbdulselamErtaş "The Phenolic Content of Hypericumscabrum Collected from Different Localities by Using LC-MS/MS" 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey poster presentation 84 pp.149.

31. Figen EREK, **Firat AYDIN**, Elif VARHAN ORAL, Isil AYDIN "Determination of Metal Content of Clay Masks by ICP-MS" The 4rd International Symposium on EuroAsian Biodiversity 03-06 July 2018, Kiev –poster presentation 153 pp.182.

Uluslararası Sözlü Bildiri

1. Telli, F. Ç., Denizaltı, S., **Yavuz, M.,**Timur, S., Salman, Y. "Synthesis, Characterization and Biological Application of Furanoside-based NHC Ligands" 4th International Congress on Applied Biological Sciences (ICABS), OP-050, pp. 64, Eskisehir, Turkey, 03-05 May, 2018.

2. **Hatice KaraerYağmur**"SynthesısandApplıcatıons of Poly(Pyrrole-Clay) Composıtes'' 3. Uluslararası Matematik, Mühendislik Ve Fen Bilimleri Kongresi, Mardin/Türkiye, 21-22 Nisan 2018 sözlü sunum sayfa 55.

3. **Hatice Karaer Yağmur**, İsmet Kaya "Metil ve Pirimidin Birimleri İçeren İmin Polimerlerinin Sentezi, Karakterizasyonuve Termal Özelliklerinin Belirlenmesi'' III. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, Gaziantep Üniversitesi, Gaziantep, 21-22 Haziran 2018 sözlü sunum sayfa 55.

4. **Hatice Karaer Yağmur,** İsmet Kaya "Poli(üretan)-Poli(pirol) kompozitlerinin hazırlanması, yapı ve fiziksel özelliklerinin incelenmesi'' III. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, Gaziantep Üniversitesi, Gaziantep, 21-22 Haziran 2018 sözlü sunum sayfa 55.

5. **Hatice Karaer Yağmur,** "Poliüretan /Gümüş Kompozitlerinin Sentezi, Karakterizasyonu Ve Termal Özelliklerinin İncelenmesi" International Engineeringand Natural Sciences Conference(IENSC 2018),Dicle Üniversitesi, Diyarbakır, 14-17 Kasım 2018 sözlü sunum sayfa 54.

6. **Hatice Karaer Yağmur,** İsmet Kaya "Piridin Birimi İçeren İmin Polimerlerinin Sentezi, Karakterizasyonu Ve Termal Özellikleri" I. Uluslararasi Battalgazi MultidisiplinerÇalişmalar Kongresi, Malatya, 7-9 Aralık 2018, sözlü sunum.
7. Akay R, Toptancı B., Kızıl M., Kızıl G., İnceören N., "TheEffect f EthanolExtract Of Leaf Of Black Mulberry (*MorusNigra*) on DNA Glycation" **Sözlü Sunum, Tam metin**, International Engineeringand Natural Sciences Conference, Diyarbakır/Turkey, 14-17 Kasım 2018.
8. 8.Akay R, Toptancı B., Kızıl M., Kızıl G., İnceören N., "TheEffect f EthanolExtract Of Leaf Of Black Mulberry (*MorusNigra*) on DNA Glycation"**Sözlü Sunum, Tam metin**,International Engineeringand Natural Sciences Conference, Diyarbakır/Turkey, 14-17 Kasım 2018.

9. Meydan İ.,Demir H., Çeken B., Öztürk F., "Research on the Activity of Protein Oxidation in DifferentConcentrations of Almond (Amygdalustrichamygdalus) Fruit" **Sözlü Sunum**, I. International AgriculturalSciencesCongress. Van, 9-12 Mayıs 2018.

10. Meydan İ.,Demir H., Çeken B., Gün M.S., "Investigation of thePreventiveEffect of LipidPeroxidationInAntioxidant Activity andRatLiverHomogeneum Of AlmondFruit (AmygdalusTrichamygdalus)", 1st International VeterinaryBiochemistryandClinicalBiochemistryCongress, Hatay,Turkey, **Sözlü sunum** 12-15 Nisan 2018.

11. 11. Çeken Toptancı, B., "Protein DamagingActivities of Insectisides" The 4th International Symposium on EuroAsianBiodiversity, **Sözlü sunum**, Kiev/Ukrayna 03-06 Temmuz 2018.

12. 12. Akay R, Toptancı B., Kızıl M., Kızıl G., İnceören N., "TheEffect f EthanolExtract Of Leaf Of Black Mulberry (*MorusNigra*) on DNA Glycation"**Sözlü Sunum, Tam metin**,International Engineeringand Natural Sciences Conference, Diyarbakır/Turkey, 14-17 Kasım 2018.

13. 13. Çakır, O., Yılmaz, F., **Baysal, Z.,** Denizli, A."Thedetection of pesticideresidues in vegetableswithsurfaceplasmonresonancesensorsbased on molecularlyimprintingandverificationstudieswithliquidchromatography tandem massspectrometry (LC-MS/MS)". *International Congress of Healthand Environment,* OP85, page 157, 23-25 October 2017. Adana-Turkey. (Uluslararası)

14. 14. Çakır, O., Yılmaz, F., **Baysal, Z.,** Denizli, A. "Liquid chromatographymassspectrometer (LC-MS/MS) andquartzcrystalmicrobalance sensor study of qualitativeandquantitative of pesticideresidues in tomatoandwaterusingmolecularimprintingtechnique" *International*

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15. 15. Çakır, O., Yılmaz, F., **Baysal, Z.,** Denizli, A. " Development of quartzcrystalmicrobalance sensor bu molecularlyimprintedforsensitiveandselectivedetection of pesticide in apple" TURCM S 2017-*III. International TurkishCongress on MolecularSpectroscopy,* O75, page: 115-116, 26-29 August 2017. Bodrum Turkey (Uluslararası)

16. 16.KocakayaOzhanSafak, BazıPiperazineTürevlerininPotansiyelUreazinhibitörüolarakHesapsalYöntemlerileÇalışılması, INESEC, 14-17 Kasım 2018, Diyarbakır

17. 17. OzhanKocakayaŞafak, Karakaplan Mehmet,A ComputationalApproachTowards PTP1BEnzyme InhibitionbyChiral β-AminoAlcohol, INESEC, 14-17 Kasım 2018, Diyarbakır.

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Yönettiği

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1.

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1.

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Bilimsel Araştırma Proje Sayısı					
PROJELER	**2018**				
	Önceki Yıldan Devreden Proje	**Yıl İçinde Eklenen Proje**	**Toplam**	**Yıl İçinde Tamamlanan Proje**	**Toplam Ödenek TL**

DPT					
TÜBİTAK					
A.B.					
BİLİMSEL ARAŞTIRMA PROJELERİ			**13**		504
DİĞER					
TOPLAM					

VERDİĞİ DERSLER

2016-2017 EĞİTİM-ÖĞRETİM YILI GÜZ DÖNEMİ

Dersin Kodu	Dersin Adı	T U K	Fakülte/Enstitü

2016-2017 EĞİTİM-ÖĞRETİM YILI BAHAR DÖNEMİ

Dersin Kodu	Dersin Adı	T U K	Fakülte/Enstitü