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ÖZGEÇMİŞ

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Akademik Unvanlar :

Lisans : İstanbul Üniversitesi Eczacılık Fakültesi 17.07.1970

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Enstitü Müdür Yardımcılığı: Marmara Üniversitesi Sağlık Bilimleri Enstitüsü
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Diğer Resmi görevler:

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Ulusal Eczacılık Eğitimi Akreditasyon Kurulu (ECZAK) Başkanlığı : Ocak 2012-

Araştırma Alanları:

- Antitüberküloz, antiviral, antikonvulsan, analjezik, antimikrobiyal aktivite taşıyan bileşiklerin tasarlanması, sentezi ve önder bileşiklerin saptanması
- 1,2,4-triazol, pirazol, pirazolon ve 1,3,4-tiyadiazol, 1,3,4-oksadiazol, 1,3,4-oksadiazolin yapısındaki heterosiklik halkaların sentezi ve yapı aydınlatılması
- Hidrazit, hidrazon, amid, imin, üre ve tiyoüre farmakoforları içeren bileşiklerin sentezi ve yapı aydınlatılması
- İlaç etken maddelerinin farmasötik ürünler ve biyolojik sıvılarda tayini için kromatografik (HPLC) yöntem geliştirilmesi ve validasyonu.
- İlaçlar ve diğer ksenobiyotiklerin *in vitro* ve *in vivo* metabolizması.
- Azo bileşiklerinin katalizörsüz hidrazin hidrat ile redüksiyonu

Tezler:

Doktora Tezinin Adı: Aktif Alifatik C-H bileşiklerinin diazonyum tuzları ile kenetlenme ürünleri ve bunlardan türeyen bazı azopirazoller üzerinde çalışmalar

Doçentlik Tezinin Adı: Bazı tiyosemikarbazidler, 1,2,4-triazolin-5-tiyonlar, 1,3,4-tiyadiazoller ve hidrazid hidrazonlar üzerinde çalışmalar

Yönettiği Doktora Tezlerinin Adları:

1. N.Nehir Gülerman, "Bazı aroiltiyosemikarbazidlerden türeyen 1,2,4-triazolin-3-tiyonların ve bazı hidrazid hidrazonlardan türeyen 3-asetil-1,3,4-oksadiazolinlerin sentezleri" 1995.
2. Nihal Kalyoncuoğlu Yılmaz, "p-Nitrobenzoik asid hidrazidinden türeyen 4,5- disüstitüe 1,2,4-triazol-3-tiyonların, metabolitlerinin sentezi ve spektral verileri" 1997.
3. Ş.Güniz Küçükgül, "Süstitüe arildiazyonyum tuzlarının metilasetoasetatla kenetlenme ürünleri ve bunlardan oluşan pirazolin 5-on türevlerinin sentezi ve spektral verileri" 1997.
4. Bedia Kaymakçioğlu, "4-Amino-3,5-dimetilpirazolden türeyen süstitüe üre, tiyoüre ve hidrazonların sentezi ve biyolojik aktivitelerinin incelenmesi" 2001.

5. Sevgi Karakuş, “2-(4-Aminofenil)-5-sübstitüe-amino-1,3,4-tiyadiazollerden türeyen bazı bileşiklerin sentezi ve spektral verileri” 2001.
6. Seda Ünsalan, “Bazı sübstitüe triazen grubu içeren bileşiklerin sentezi ve yapılarının aydınlatılması” 2002.
7. E. Elçin Oruç, “2,5-disübstitüe-1,3,4-tiyadiazol türevi bileşiklerin sentezi ve biyolojik aktiviteleri” 2003.
8. Başak Oral, “Beş üyeli heterosiklik halkalardan türeyen hidrazonların sentezleri ve biyolojik aktiviteleri” 2007.

Yönettiği Yüksek Lisans Tezlerinin Adları:

1. Yasemin Özger, "Azo bileşiklerinin hidrazinle redüksiyonu ve bazı sübstitüe 1,3,4-tiyadiazol türevleri üzerinde çalışmalar" 1987.
2. Aslı İdil İçelliler, "Bazı hidrazonopirazolon türevi bileşiklerin sentezleri ve spektroskopik verileri üzerinde çalışmalar" 1991.
3. Nihal Kalyoncuoğlu, "Bazı sübstitüe tiyosemikarbazid ve triazol türevi bileşiklerin sentezleri ve spektroskopik verileri üzerinde çalışmalar" 1991.
4. N.Nehir Gülerman, "Bazı sübstitüe 1,3,4-tiyadiazol türevi bileşikler üzerinde çalışmalar" 1991.
5. Ş.Güniz Kömürcü, "p-Aminobenzoik asit hidrazidinden türeyen bazı hidrazonlar üzerinde çalışmalar" 1992.
6. İlkay Küçükgülzel, "1,2,4-Triazolin-3-tiyonlardan türeyen bazı tiyöre bileşikleri üzerinde çalışmalar" 1992.
7. E.Elçin Oruç, "Bazı sübstitüe-2, 4-dihidro-3H-1,2,4-triazol-3-tiyon türevi bileşiklerin in vivo metabolizması" 1997.
8. Başak Oral, “3,5-dimetil-1-(2-hidroksietil)-4-aminopirazolden türeyen bazı schiff bazlarının sentezleri ve in vivo metablizması” 2001.
9. Nilüfer Solak, “Aromatik primer amin grubu içeren 1,3,4-tiyadiazol türevi schif bazlarının sentezleri” 2002.
10. Esin Özaltın, “4-Aminopirazol türevi bileşiklerin sentezi ve yapılarının aydınlatılması” 2002.
11. Bengü Aksoy, “Film kaplı siprofloksazin hidroklorür tabletlerinde miktar tayini metodu ve safsızlık metodu geliştirilmesi ve analitik validasyonları” 2005

12. Pelin Çıkla “N-metil anilinden türeyen bazı triazenlerin sentezi ve yapılarının aydınlatılması” 2005.
13. M. Çağlar Hamzaçebi “2-(2,4-dimetilfenil)-3-oksobütanamit türevi hidrazonların sentezi ve yapılarının aydınlatılması” 2007.
14. Şila Kokyan, “Çesitli Aromatik Aminlerden Hareketle Sübstitüe İzoksazolun Türevlerinin Sentezi ve Sitotoksik Aktivitelerinin İncelenmesi”, M.Ü. Sağlık Bilimleri Enstitüsü, İstanbul 2010.
15. Işıl Çoruh, “Benzilik asit hidrazid’inden elde edilen 1,4-disübtütütyosemikarbazidler, 2,5-disübtütüe-1,3,4-tiyadiazoller, 1,2,4-triazol-5-tiyonlar ve sitotoksik aktiviteleri”, M.Ü. Sağlık Bilimleri Enstitüsü, İstanbul 2011.
16. Hilal Coşkun, “3-Hidroksi-2-naftoil hidrazonun bakır(II) kompleksleri üzerine çalışmalar”, M.Ü.Sağlık Bilimleri Enstitüsü, İstanbul 2011.
17. Güleser Abacı, “Bazı 1,2,4-triazol-5-tiyon türevlerinin sentezi için yöntem geliştirme”, M.Ü.Sağlık Bilimleri Enstitüsü, İstanbul 2011.

Yazdığı Kitaplar ve Kitap Bölümleri:

Kitap: Sevim Rollas “İlaçların Metabolizması (Biyotransformasyon)” 1992
Marmara Üniversitesi Yayın No: 525
Eczacılık Fakültesi Yayın No : 10
ISBN : 975-400-078-6

Kitap bölümü:

Uluslar arası: Sevim Rollas “In vivo metabolism in preclinical drug development” Preclinical Development Handbook-ADME and Biopharmaceutical properties” Chapter: 23 John Wiley. Edited by Shayne Cox Gad., New Jersey, 2008. ISBN : 978-0-470-24847-8

Ulusl: "İlaçların Tanınması ve Kantitatif Tayini" isimli Prof.Dr. N.ERGENÇ, Prof.Dr. A.GÜRSOY, Prof.Dr. Ö.Ateş tarafından yazılan kitabın "Yüksek Basıncılı Sıvı Kromatografisi" konulu bölüm: Sevim Rollas (Sayfa No: 158 - 207) 1989 - İstanbul İ.Ü.Yayın No: 3566 ISBN : 975-404-124-5

Hazırladığı Kitap ve Rehberler:

T.C. M.Ü.Sağlık Bilimleri Enstitüsü Rehberi (2005-2006)

Prof.Dr.Sevim ROLLAS, Prof.Dr. Serap Arbak, Doç.Dr. Gül den Z.Omurtag, Prof.Dr. Nimet Gençoğlu, Prof.Dr.Gül Dülger, Prof.Dr. Fikret Vehbi İzzettin, Prof.Dr.Selçuk Basa, Prof.Dr.Serap Akyüz, Prof.Dr.Melda Karavuş, Prof.Dr.Safiye Çavdar, Prof.Dr.Önder Us, Prof.Dr.Rukiye Pınar, Doç.Dr.Tayfun Amman.

Marmara Üniversitesi Döner Sermaye İşletmesi Teknik Eğitim Fakültesi İstanbul 2005.

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M.Ü.Eczacılık Fakültesi Eğitim Öğretim Rehberi (2000)

Prof.Dr.Sevim ROLLAS, Yrd.Doç.Dr.Ayşen KURT CÜCÜ,
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M.Ü.Döner Sermaye İşletmesi Teknik Eğitim Fakültesi Matbaa Birimi (2000).

M.Ü.Sağlık Bilimleri Enstitüsü Doktora ve Yüksek Lisans Tez Özetleri (1999-2000)

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M.Ü.Sağlık Bilimleri Enstitüsü Doktora ve Yüksek Lisans Tez Özetleri (2001-2002)

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ISBN : 975-400-270-3

M.Ü.Sağlık Bilimleri Enstitüsü Doktora ve Yüksek Lisans Tez Özetleri (2003)

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M.Ü.Sağlık Bilimleri Enstitüsü Doktora ve Yüksek Lisans Tez Özetleri (2004-2005)

Prof.Dr.Sevim ROLLAS

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ISBN : 975-400-301-7

Uluslararası hakemli dergilerdeki yayınlar:

1. Ergenç N., **Rollas S.**, Topaloğlu Y. "Studies on azopyrazole derivatives VI. Synthesis and characterization of new 4-(1-Phenyl-3,5-dimethylpyrazolylazo)-N2-(Substitutedbenzylidene) benzohydazides." Arch. Pharm., 319,545, 1986.
2. **Rollas S.**, Büyüktimkin S., Büyüktimkin N., Ülgen M. "Yemeni E., Evaluation of some arylhydrazones of N 2-arylidenebenzylic acid hydrazide as antimicrobial agents." Pharmazie, 43, 511, 1988.
3. Büyüktimkin S., Büyüktimkin N., Özdemir O., **Rollas S.** "Quinazoliones, 13. Comm. Synthesis of 3-(2-(2,3-Dihydro-5-phenyl-4-substituted-3H-1,2,4-triazole-3-thione-2-yl)-acetyl-amino)-2- methyl-4(3H)-quinazolinones and their pharmacological activities." Arch. Pharm.,3 22,49, 1989.
4. Ergenç N., **Rollas S.**, Çapan G., Doğan N., Özger Y. "Studies on azopyrazole derivatives." Pharmazie, 44, 573, 1989.

5. Ergenç N., **Rollas S.**, Topaloğlu Y., Ötük G. "Synthesis and characterization of new 1,3,4-oxadiazolines." Arch. Pharm., 322,837, 1989.
6. Büyüktimkin S., **Rollas S.**, Ülgen M., Ötük G. "Some 1,3,4-oxadiazoline derivatıvs prepared by starting form benzylic acid hydrazide arylhdrazones and their antimicrobial evaluation." Pharmazie, 45,865, 1990.
7. Açikkol M., Durgun-Barlas B., **Rollas S.** "High pharmance liquid chromatographic and UV spectrophotometric analysis of Alprazolam." Pharmazie, 46, 461, 1991.
8. **Rollas S.**, Büyüktimkin S., Çevikbaş A. "N-(4-(3H-1,3,4-Oxadiazoline-2-thion-5-yl) phenyl)-N substituted thioureas: synthesis and antimicrobiological activities." Arch. Pharm., 324,189-190, 1991.
9. Ergenç N., Büyüktimkin S., Çapan G., Baktır G., **Rollas S.** "Quinazolinoes." Pharmazie, 46,290-291, 1991.
10. Kalyoncuoğlu N., **Rollas S.**, Sür-Altınır D., Yeğenoğlu Y., Anđ Ö. "1-(p-Benzoylamino) benzoyl)-4-substituted thisemicarbazides: Synthesis and antibacterial and antifungal activities." Pharmazie, 47, 796-797, 1992.
11. Gürkan E., **Rollas S.** "Constituents of brassica olerace var. Capitata şeaf juice purified ethanol extract." Fitoterapia, LXIII No: 4,381, 1992.
12. **Rollas S.**, Kalyancıoğlu N., Sür-Altınır D., Yeğenoğlu Y. "5-(4-Aminophenyl)-4-substituted-2,4-dihydro-3H-1,2,4-triazole-3-thiones:Synthesis and antibacterial and antifungal activities." Pharmazie,48,308-309, 1993.
13. Durgun B., Çapan G., Ergen N., **Rollas S.** "Synthesis characterization and biological evaluation of new benzylidenebenzohydrazides and 2, 5- disubstituted-2,3-dihydro-1,3,4-oxadiazolines." Pharmazie, 48, 942-943, 1993.
14. Kömürçü Ş.G., **Rollas S.**, Ülgen M., Gorrod J.W., Çevikbaş A. "Evaluation of some arylhydrazones of p-aminobenzoic acid hydrazide as antimicrobial agents and their in vitro hepatic microsomal metabolism." Boll. Chim. Farmaceutico-Anno., 3487, 281-285, 1995.
15. Gülerman N., **Rollas S.**, Ülgen M., Gorrod J.W. "Synthesis and evaluation of some subsituted 1,3,4-thiadiazole derivatives." Boll.Chim.Farmaceutico-Anno, 134(8), 461 1995.
16. Barlas-Durgun B., **Rollas S.**, Apaydın S., Öztürk,R. "Synthesis and antimicrobial activity of some new 1-[4-(4-fluorobenzoylamino)benzoyl)-4-substituted thiosemicarbazides; Drug metab. And Drug Interact., 12 (2), 145-150, 1995.
17. Küçükgülzel İ., **Rollas S.**, Çevikbaş A. "Synthesis and characterization of certain thiourea derivatives starting from 1,2,4-Triazoline-3-thiones as potential antibacterial and antifungal agents" Drug Metab.and Drug Interact.,12(2), 151-160, 1995.

18. Kömürcü Ş.G., **Rollas S.**, Yılmaz N., Çevikbaş A. "Synthesis of 3-methyl-4-(2,4-dihydro-4-substituted-3H-1,2,4-triazole-3-thione-5-yl)phenylhydrazono)-5-isoxazolone and evaluation of their antimicrobial activities" *Drug Metab. And Drug Interact.*, 12(2), 161-169, 1995.
19. **Rollas S.**, Karakuş S., Barlas-Durgun B., Erdeniz H., Kiraz M. "Synthesis and antimicrobial activity of some 1,4-disubstituted thiosemicarbazide and 2,5- disubstituted 1,3,4-thiadiazole derivatives." *Farmaco*, 51 (12), 811-814 (1996)
20. Ülgen M., Barlas-Durgun B., **Rollas S.**, Gorrod J.W. "The in-vitro hepatic microsomal metabolism of benzoic acid benzylidene hydrazide" *Drug Metabolism and Drug Interactions*, 13 (4), 285-294, 1997.
21. Gülerman N., **Rollas S.**, Kiraz M., Ekinçi A.C., Vidin A. "Evaluation of antimycobacterial and anticonvulsant activities of new 1-(4-fluorobenzoyl)-4- substituted-thiosemicarbazide and 5-(4-fluorophenyl)-4-substituted-2,4-dihydro-3H-1,2,4-triazole-3-thione derivatives." *Farmaco*, 52 (11), 691-695, 1997.
22. Doğan. H.N., Büyüktimkin S., **Rollas S.**, Yemni E., Çevikbaş A. "Synthesis and structure elucidation of some 4-substitutedbenzylidene amino-5-[3(5)-methyl-5(3)-phenyl-1H-1-pyrazolyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione derivatives with their antimicrobial activities." *Farmaco* 52(8-9), 565-568, 1997.
23. Doğan H.N., Duran A., **Rollas S.**, Şener G., Armutak Y., Kayer-Uysal M. "Synthesis and structure elucidation of some new hydrazones and oxadiazolines: anticonvulsant activities of 2-(3-acetyloxy-2-naphthyl)-4-acetyl-5-substituted-1,3,4-oxadiazolines" *Med.Sci.Research*, 26:755-758, 1998.
24. Doğan H.N., **Rollas S.**, Erdeniz H. "Synthesis, structure elucidation and antimicrobial activity of some 3-hydroxy-2-naphthoic acid hydrazide derivatives." *Farmaco*, 53,462-467, 1998.
25. **Rollas S.**, Yılmaz. N., Erdeniz. H., Kiraz M. "Antimicrobial activities of some 5-(4-nitro/aminophenyl)-1, 2, 4- triazoline-3-thione derivatives." *Med.Sci.Res.* 26,83-84 1998.
26. Gülerman N.N., **Rollas S.**, Ülgen M. "Synthesis and in vitro microsomal metabolism of 4-ethyl-5-(4-fluorophenyl)-2,4-dihydro-3H-1,2,4-triazole-3-thione and its potential metabolites." *Boll.Chim.Farmaceutica.Anno.*,137 (5): 140-143, 1998.
27. Küçükgülzel Ş.G, **Rollas S.**, Erdeniz H., Kiraz M. "Synthesis, characterization and antimicrobial evaluation of ethyl-2-arylhydrazono-3-oxobutyrate" *Eur.J.Med.Chem.*, 34 (2): 153-160, 1999.
28. Oruç E.E, **Rollas S.**, Kabasakal L., Keyer-Uysal M. "The in vivo metabolism of 5-(4-nitrophenyl)-4-phenyl-2,4- dihydro-3H-1,2,4- triazole-3-thione in rats." *Drug Metabolism and Drug Interactions*, 15 (2-3): 127-140, 1999.

29. Kaymakçiođlu B., Oruç. E.E., Ülgen M., **Rollas S.** "The in vitro hepatic microsomal metabolism of 3,5- dimethyl-4-(phenylazo)-(1H)- pyrazole in rats." *Drug Metabolism and Drug Interactions*, 15 (2-3) : 107-114, 1999.
30. Küçükğüzel Ş.G, **Rollas S.**, Küçükğüzel İ., Kiraz. M. "Synthesis and antimycobacterial activity of some coupling products from 4-aminobenzoic acid hydrazones." *Eur.J.Med.Chem.*, 34 :1093-1100, 1999.
31. Küçükğüzel Ş.G., **Rollas S.**, Erdeniz H., Kiraz M., Ekinçi A.C., Vidin A. "Synthesis, characterization and pharmacological properties of some 4-arylhydrazono-2-pyrazoline-5-one derivatives obtained from heterocyclic amines." *Eur.J.Med.Chem.*35: 761-771, 2000.
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33. Küçükğüzel İ., Küçükğüzel Ş.G, **Rollas S.**, Kiraz M. "Some 3-thioxo/ alkylthio-1,2,4-triazoles with a substituted thiourea moiety as possible antimycobacterials." *Bioorg.&Med.Chem.Letters*, 11(13): 1703-1707, 2001.
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35. Küçükğüzel Ş.G., Oruç E.E., **Rollas S.**, Şahin F., Özbek A. "Synthesis, characterization and biological activity of novel 4-thiazolidino 1,3,4-oxadiazoles and some related compounds." *Eur.J.Med.Chem.*, 37(3): 197-206, 2002.
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37. Duran A., Dođan H.N., **Rollas S.** "Synthesis and preliminary anticancer activity of new 1,4-dihydro-3-(3-hydroxy-2-naphthyl)-4-substituted-5H-1,2,4-triazoline-5-thiones" *Farmaco.*, 57(7), 559-564, 2002.
38. Karakuş S., **Rollas S.** "Synthesis and antituberculosis activity of new N-phenyl-N'- [4-5-alkyl/arylamino-1,3,4-thiadiazole-2-yl]phenyl]thioureas." *Farmaco.*, 57(7), 577-581, 2002 .
39. Kaymakçiođlu B., **Rollas S.** "Synthesis characterization and evaluation of antituberculosis activity of some hydrazones" *Farmaco.*, 57(7), 595-599, 2002.
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Uluslararası Sempozyum Düzenleme Etkinlikleri :

1-First International Meeting on Pharmacy and Pharmaceutical Sciences, 4-7 Eylül 1994,

İstanbul-Türkiye, Düzenleme Komitesi üyeliği

2-Second International Meeting on Pharmacy and Pharmaceutical Sciences, 6-9 Eylül 1998, İstanbul-Türkiye, Kongre Sekreteri

3-European Society of Clinical Pharmacy, 25-27 Ekim 2007, İstanbul-Türkiye, Düzenleme Komitesi üyeliği

4-Third International Meeting on Pharmacy and Pharmaceutical Sciences, 9-12 Haziran 2010, İstanbul-Türkiye, Kongre Başkanı

Üyesi Olduğu Uluslar Arası ve Ulusal Mesleki Kuruluşlar:

1. Farmasötik Bilimler Ankara Derneği 1993-
2. Farmasötik ve Medisinal Kimya Derneği 2000-
3. The New York Academy of Sciences 1995-2000
4. American Association for the Advancement of Science (AAAS) 1996-2000
5. International Pharmaceutical Federation (FIP) 1998-2002
6. Kadıköy Anadolu Lisesi Eğitim Vakfı
7. Marmara Üniversitesi Eczacılık Fakültesi Mezunları Derneği
8. İstanbul Eczacı Odası