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Derece	Bölüm/Program	Üniversite	Yıl
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Ödüller:

- Springer Nature Editoryal Katkı Ödülü (2025)
- Springer Nature Yazar Hizmet Ödülü (2025)
- Visiting Professorship and Fellowship (2018)
- Visiting Professorship and Fellowship (2017)

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

- A1.** Hoti D., Nixha A. R., Duran H. E., Arslan M., Yıldıztekin G., Ece A., Türkes C., "Phthalimide–benzoic acid hybrids as potent aldose reductase inhibitors: Synthesis, enzymatic kinetics, and in silico characterization", *Bioorganic and Medicinal Chemistry*, vol. 131, 2025.
- A2.** Shendrikov V. P., Kot E. F., Makrinsky K. I., Ece A., Boldyrev I. A., "Phospholipid conjugates: formation of the intramolecular π -cation complex", *BMC Chemistry*, vol. 19, no. 1, 2025.
- A3.** Güleç Ö., Duran H. E., Arslan M., Yıldıztekin G., Ece A., Türkes C., "Chalcone-inspired indole, carbazole, and phenothiazine hybrids as potent aldose reductase inhibitors with selective anticancer potential: Rational design, synthesis, and multi-level characterization", *Bioorganic Chemistry*, 2025.
- A4.** Zognjani B., Nixha A. R., Duran H. E., Arslan M., Yıldıztekin G., Ece A., Türkes C., "N-substituted phthalimide–carboxylic acid hybrids as dual-targeted aldose reductase inhibitors: Synthesis, mechanistic insights, and cancer-relevant profiling", *Bioorganic Chemistry*, vol. 163, 2025.
- A5.** Zhang T., Chan K., Ece A., Daly R., Cannon A., Scalabrino G. A., Frankish N., O'sullivan J., Fallon P., Sheridan H., "Bioactive Indanes: Design, synthesis and bioactivity investigation of 2,2-substituted Indane derivatives, a new bioactive Indane scaffold", *Bioorganic Chemistry*, vol. 159, 2025.
- A6.** Efeoglu C., Serttas R., Demir B., Sahin E., Yabalak E., Seferoglu N., Erdogan S., Ece A., Nural Y., "1,4-Naphthoquinone thiazoles: Synthesis, crystal structure, anti-proliferative activity, and inverse molecular docking study", *Journal of Molecular*

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- A8.** Dincel E. D., Kuran E. D., Ece A., Başoğlu Ünal F., Renzi G., Badii G., Carta F., Supuran C. T., Güzeldemirci N., "Preliminary Investigations on Acyl Hydrazones Bearing Sulfonamides as Inhibitors of the Human Carbonic Anhydrase Isoforms I, II, IX, and XII", *Anti-Cancer Agents in Medicinal Chemistry*, vol. 25, 2025.
- A9.** Tok F., Abas B. İ., Başoğlu F., Çevik Ö., Karakuş S., Ece A., "Synthesis, Biological Evaluation and in Silico Studies of Novel Urea/Thiourea Derivatives of Lenalidomide", *Journal of Biochemical and Molecular Toxicology*, vol. 38, no. 12, 2024.
- A10.** Ece A., Mirzaei M., Ghnim Z., Al-hussainy A., Wabdan A., Saadh M., Mohany M., Mascarenhas-melo F., "Assessing the structural and electronic features of C24, B12C12 and Al12C12 fullerenes for the adsorption of methimazole to develop potential drug delivery systems", *Computational and Theoretical Chemistry*, vol. 1241, 2024.
- A11.** Güleç Ö., Türkeş C., Arslan M., Demir Y., Dincer B., Ece A., Küfrevioğlu Ö. İ., Beydemir Ş., "Bioactivity, cytotoxicity, and molecular modeling studies of novel sulfonamides as dual inhibitors of carbonic anhydrases and acetylcholinesterase", *Journal of Molecular Liquids*, vol. 410, 2024.
- A12.** Kolancılar H., Özcan H., Yılmaz A. Ş., Salan A. S., Ece A., "2,3-Dichloronaphthoquinone derivatives: Synthesis, antimicrobial activity, molecular modelling and ADMET studies", *Bioorganic Chemistry*, vol. 146, 2024.
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- A14.** Caglayan C., Temel Y., Türkeş C., Ayna A., Ece A., Beydemir Ş., "The effects of morin and methotrexate on pentose phosphate pathway enzymes and GR/GST/TrxR enzyme activities: An in vivo and in silico study", *Archiv der Pharmazie*, vol. 357, no. 2, 2024.
- A15.** Güleç Ö., Türkeş C., Arslan M., Demir Y., Dincer B., Ece A., Beydemir Ş., "Novel beta-lactam substituted benzenesulfonamides: in vitro enzyme inhibition, cytotoxic activity and in silico interactions", *Journal of Biomolecular Structure and Dynamics*, vol. 42, no. 12, pp. 6359-6377, 2024.
- A16.** Maryam A., Siddiqi A. R., Chaitanya Vedithi S., Ece A., Khalid R. R., "Identification of selective inhibitors for phosphodiesterase 5A using e-pharmacophore modelling and large-scale virtual screening-based structure guided drug discovery approaches", *Journal of Biomolecular Structure and Dynamics*, vol. 42, no. 15, pp. 7812-7827, 2024.
- A17.** Karakuş F., Ece A., Kuzu B., "New targets and biomarkers for doxorubicin-induced cardiotoxicity in humans: implications drawn from toxicogenomic data and molecular modelling", *Journal of Biomolecular Structure and Dynamics*, 2024.
- A18.** Ece A., "Computer-aided drug design", *BMC Chemistry*, vol. 17, no. 1, 2023.
- A19.** Efeoglu C., Taskin S., Selcuk O., Celik B., Tumkaya E., Ece A., Sari H., Seferoglu Z., Ayaz F., Nural Y., "Synthesis, anti-inflammatory activity, inverse molecular docking, and acid dissociation constants of new naphthoquinone-thiazole hybrids", *Bioorganic and Medicinal Chemistry*, vol. 95, 2023.
- A20.** Guven O., Sever B., Başoğlu-ünal F., Ece A., Tateishi H., Koga R., Radwan M. O., Demir N., Can M., Dilsiz Aytemir M. vd., "Structural Characterization of TRAF6 N-Terminal for Therapeutic Uses and Computational Studies on New Derivatives", *Pharmaceuticals*, vol. 16, no. 11, 2023.
- A21.** Çelik Onar H., Özden E. M., Taslak H. D., Gülçin İ., Ece A., Erçağ E., "Novel coumarin-chalcone derivatives: Synthesis, characterization, antioxidant, cyclic voltammetry, molecular modelling and biological evaluation studies as acetylcholinesterase, α -glycosidase, and carbonic anhydrase inhibitors", *Chemico-Biological Interactions*, vol. 383, 2023.
- A22.** Erdönmez B., Altıntop M. D., Akalın Çiftçi G., Özdemir A., Ece A., "Design, Synthesis, and Evaluation of a New Series of Hydrazones as Small-Molecule Akt Inhibitors for NSCLC Therapy", *ACS Omega*, vol. 8, no. 22, pp. 20056-20065, 2023.
- A23.** Bulut Z., Abul N., Poslu A. H., Gülçin İ., Ece A., Erçağ E., Koz Ö., Koz G., "Structural characterization and biological evaluation of uracil-appended benzylic amines as acetylcholinesterase and carbonic anhydrase I and II inhibitors", *Journal of Molecular Structure*, vol. 1280, 2023.
- A24.** Orujova T., Ece A., Akalın Çiftçi G., Özdemir A., Altıntop M. D., "A new series of thiazole-hydrazone hybrids for Akt-targeted therapy of non-small cell lung cancer", *Drug Development Research*, vol. 84, no. 2, pp. 185-199, 2023.
- A25.** Shendrikov V. P., Alekseeva A. S., Kot E. F., Mineev K. S., Tretiakova D. S., Ece A., Boldyrev I. A., "Indane Based Molecular Motors: UV-Switching Increases Number of Isomers", *Molecules*, vol. 27, no. 19, 2022.
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- A29.** Nural Y., Ozdemir S., Yalcin M. S., Demir B., Atabey H., Seferoglu Z., Ece A., "New bis- and tetrakis-1,2,3-triazole derivatives: Synthesis, DNA cleavage, molecular docking, antimicrobial, antioxidant activity and acid dissociation constants", *Bioorganic and*

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A46. Karakus G., Ece A., Yaglioglu A. S., Zengin H. B., Karahan M., "Synthesis, structural characterization, and antiproliferative/cytotoxic effects of a novel modified poly(maleic anhydride-co-vinyl acetate)/doxorubicin conjugate", *Polymer Bulletin*, vol. 74, no. 6, pp. 2159-2184, 2017.

A47. Er M., Ergüven B., Tahtaci H., Onaran A., Karakurt T., Ece A., "Synthesis, characterization, preliminary SAR and molecular docking study of some novel substituted imidazo[2,1-b][1,3,4]thiadiazole derivatives as antifungal agents", *Medicinal Chemistry Research*, vol. 26, no. 3, pp. 615-630, 2017.

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A49. Ece A., Sevin F., "The discovery of potential cyclin A/CDK2 inhibitors: A combination of 3D QSAR pharmacophore modeling, virtual screening, and molecular docking studies", *Medicinal Chemistry Research*, vol. 22, no. 12, pp. 5832-5843, 2013.

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- A51.** Pamuk D., Taşdemir I. H., Ece A., Canel E., Kiliç E., "Redox pathways of aliskiren based on experimental and computational approach and its voltammetric determination", *Journal of the Brazilian Chemical Society*, vol. 24, no. 8, pp. 1276-1286, 2013.
- A52.** Taşdemir I. H., Ece A., Kiliç E., "Experimental and theoretical study on the electrochemical behavior of Zofenopril and its voltammetric determination", *Current Pharmaceutical Analysis*, vol. 8, no. 4, pp. 339-348, 2012.
- A53.** Ece A., Sevin F., "Exploring QSAR on 4-cyclohexylmethoxypyrimidines as antitumor agents for their inhibitory activity of CDK2", *Letters in Drug Design and Discovery*, vol. 7, no. 9, pp. 625-631, 2010.
- A54.** Sökmen I., Ece A., Düz B., Sevin F., "Reaction of atomic carbon with isomeric cresols", *Letters in Organic Chemistry*, vol. 6, no. 8, pp. 650-653, 2009.
- A55.** Düz B., Elbistan C. K., Ece A., Sevin F., "Application of carbon arc-generated Mo and W-based catalyst systems to the ROMP of norbornene", *Applied Organometallic Chemistry*, vol. 23, no. 9, pp. 359-364, 2009.
- A56.** Düz B., Yüksel D., Ece A., Sevin F., "The first example of tungsten-based carbene generation from WCl₆ and atomic carbon and its use in olefin metathesis", *Tetrahedron Letters*, vol. 47, no. 29, pp. 5167-5170, 2006.

D. Ulusal hakemli dergilerde yayımlanan makaleler:

- D1.** Ece A., "E-pharmacophore mapping combined with virtual screening and molecular docking to identify potent and selective inhibitors of P90 Ribosomal S6 Kinase (RSK) E-Farmakoför Haritalanması, Sanal Tarama ve Moleküler Kenetlenmenin birleştirilmesi ile etkili ve Seçici P90 Ribosomal S6 Kinaz (RSK) İnhibitörlerinin Belirlenmesi", *Turkish Journal of Pharmaceutical Sciences*, vol. 13, no. 2, 2016.