

CURRICULUM VITAE

Name and Surname: Emine Rana BAĞCI
Academic Title: Research Assistant
Work Address:
Email: rana.bagci@afsu.edu.tr

Degree	Department/Program	University	Year
Doctorate	MEDİCİNAL CHEMİSTRY (PHD)	Anadolu University	Continues
Master's Degree	MEDİCİNAL CHEMİSTRY	Anadolu University	2025
Bachelor's Degree	ECZACILIK PR.		2023

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Karakaya A., Bağcı E. R., Soyer P., Daoud N. E., Erçetin T., Acar Çevik U., "Synthesis, In Vitro Antimicrobial, and Antioxidant Activities of Novel Thiazole Derivatives", *Chemistry and Biodiversity*, vol. 23, no. 1, 2026.
- A2.** Ünver H., Bağcı E. R., Gül Ü. D., Kapavarapu R., Ay E. N., Acar Çevik U., "Design, synthesis, in vitro, and in silico studies of benzimidazolium derivatives as potent antimicrobial agents", *Journal of Molecular Structure*, vol. 1345, 2025.
- A3.** Bostancı H. E., Maryam Z., Kapavarapu R., Bal H., Bağcı E. R., Celik F. K., Basaran S., Yıldırım Ş., Ahmet Kılıç H., Kocyigit U. M. vd., "Synthesis and in silico study of novel benzimidazole derivatives bearing oxadiazole moiety as potential carbonic anhydrase inhibitors, anticancer and antioxidant agents", *Journal of Molecular Structure*, vol. 1342, 2025.
- A4.** Maryam Z., Işık A., Bağcı E. R., Yıldız M., Ünver H., Kocyigit Ü. M., Kırılmaz B., Celik I., Acar Çevik U., Özkay Y. vd., "Synthesis of Thiazole-methylsulfonyl Derivatives, X-ray Study, and Investigation of Their Carbonic Anhydrase Activities: In Vitro and In Silico Potentials", *ACS Omega*, vol. 10, no. 13, pp. 13583-13594, 2025.
- A5.** Acar Çevik U., Işık A., Kaya B., Kapavarapu R., Rudrapal M., Halimi G., Karakaya A., Maryam Z., Celik İ., Evren A. E. vd., "Benzimidazole-Containing Compounds as Anticancer Agents", *ChemistrySelect*, vol. 9, no. 32, 2024.

D. Articles published in national peer-reviewed journals:

- D1.** Terzi E., Sancı T. O., Bedir B. E. O., Ercan E., Bağcı E. R., Çevik U. A., Sezginer E. K., "Thiazole- and 1,3,4-Thiadiazole-Based Hybrids: Synthesis and In Vitro Cytotoxicity Against Human Cancer Cell Lines", *Chemical Biology and Drug Design*, 2026.
- D2.** Kaya B., Maryam Z., Daoud N. E., Bağcı E. R., Karakaya A., Erçetin T., Acar Çevik U., "Synthesis of Novel Benzofuran-Based Thiazole Hybrids and Investigation of Their Antioxidant and Anticholinesterase Activities", *Fabad Journal of Pharmaceutical Sciences*, vol. 50, pp. 531-546, 2025.