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Education Information

Undergraduate, Istanbul Medipol University, Eczacılık Fakültesi, Turkey 2010 - 2015

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, INVESTIGATION OF DYNAMICS OF ENZYMES WHICH UNDERGO HYPERINSULINEMIA-MEDIATED PHOSPHORYLATION AND DISCOVERY OF INHIBITOR MOLECULES THAT INACTIVATES THESE ENZYMES, Istanbul Medipol University, Sağlık Bilimleri Enstitüsü, Neuroscience, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, Structural Investigations, DNA/BSA Interactions, Molecular Docking Studies, and Anticancer Activity of a New 1,4-Disubstituted 1,2,3-Triazole Derivative**
Göktürk T., Sakallı Çetin E., Hökelek T., PEKEL H., ŞENSOY Ö., Aksu E. N., Güp R.
ACS Omega, vol.8, no.35, pp.31839-31856, 2023 (SCI-Expanded)
- II. **Mechanistic insight into impact of phosphorylation on the enzymatic steps of farnesyltransferase**
PEKEL H., GÜZEL M., ŞENSOY Ö.
Protein Science, vol.31, no.10, 2022 (SCI-Expanded)
- III. **Dimethyl sulfoxide reduces the stability but enhances catalytic activity of the main SARS-CoV-2 protease 3CLpro**
Ferreira J. C., Fadl S., Ilter M., PEKEL H., Rezgui R., ŞENSOY Ö., Rabeh W. M.
FASEB Journal, vol.35, no.8, 2021 (SCI-Expanded)
- IV. **Inhibition of SARS-CoV-2 main protease: a repurposing study that targets the dimer interface of the protein**
PEKEL H., Ilter M., ŞENSOY Ö.
Journal of Biomolecular Structure and Dynamics, vol.40, 2021 (SCI-Expanded)
- V. **Design and synthesis of novel cylopentapyrazoles bearing 1,2,3-thiadiazole moiety as potent antifungal agents**
Giray B., KARADAĞ A. E., İpek Ö., PEKEL H., GÜZEL M., BAŞPINAR KÜÇÜK H.

Refereed Congress / Symposium Publications in Proceedings

I. Manipulation of a Cryptic Site on DHFR to Combat Trimethoprim Resistance in E. coli

Çetin E., PEKEL H., ATILGAN A. R., ŞENSOY Ö., ATILGAN C.

Hunfeld 2022: "COMPUTER SIMULATION AND THEORY OF MACROMOLECULES", Hunfeld, Germany, 8 - 09 April 2022