

Curriculum Vitae

1. Communication details

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2. Personal Details

Name: Cahit Özbilenler

Birth date: 08.02.1995

Birth Place: Lefkoşa, K.Çiftlik- TRNC

Nationality: Cypriot

Marital Status: Bachelor

3. Education details

Ph.D. in Chemistry (4.00/ 4.00), 2024, Eastern Mediterranean University (EMU), TRNC

Title of PhD Thesis: “Hydrogels of 2-hydroxyethyl methacrylate and N-(2-hydroxyethyl) methacrylamide for Biomedical Applications”

(Supervisor: Prof. Dr. Elvan Yılmaz)

M.S. in Chemistry (4.00/ 4.00), 2019, Eastern Mediterranean University (EMU), TRNC

Title of Master Thesis: “Physicochemical and quantitative cell viability assays of quercetin encapsulated alginate beads”

(Supervisor: Prof. Dr. Mustafa Gazi)

B.S. in Biochemistry (with First Class Honours), 2017, Queen Mary University of London (QMUL), London-UK

Title of Bachelor Thesis: “Tools to characterize the location of FdC2 protein in higher plants and identify its interaction partners”

(Supervisor: Dr. Guy Hanke)

4. Languages

Turkish: Native

English: Fluent

5. Scholarships

- 2014-2015 TRNC-Ministry of Education- Bursary
- 2015-2016 TRNC-Ministry of Education- Bursary
- 2016-2017 TRNC-Ministry of Education- Bursary
- 2017- 2024 Eastern Mediterranean University (EMU)- assistantship

6. Experiences

- 2016-2017, Assistant/tutor in PASS (Peer Assisted Study Support) for first and second years university biochemistry/biology/chemistry students in Queen Mary University of London (QMUL), London-UK

- Eastern Mediterranean University (EMU)- Departments of Physics and Chemistry- Chemistry Research and Teaching Assistant (2017-)
- List of courses assisted:
 - **CHEM 101, CHEM103, CHEM105, CHEM111-** General Chemistry
 - **CHEM112** General Chemistry II
 - **KİMY103** Temel Kimya
 - **CHEM247** Analytical Chemistry I
 - **CHEM248** Analytical Chemistry II
 - **CHEM339** Biomaterials
- List of courses taught:
 - **CHEM120** Biochemistry II

7. Articles in Refereed Journals

SCI/SCIE-Indexed Articles

- 1) **Özbilenler, C.**, Yılmaz, E., Altundağ, E.M., 2024. Evaluation of poly(2-hydroxyethyl methacrylate) and poly(N-hydroxyethyl acrylamide) cryogels as potential quercetin release matrices. *International Journal of Polymer Analysis and Characterization*. doi: 10.1080/1023666X.2024.2349628.
- 2) Marjan Hezarkhani, Ustürk, S., **Özbilenler, C.** Yılmaz E.,2024. pH-Responsive Pullulan Based Adsorbent Functionalized by Poly(N-vinylimidazole): Synthesis, Characterization and Dye Removal Application. *J. Water Chem. Technol.* doi: 10.3103/S1063455X24050084.
- 3) Mutlu Altundağ, E., Jannuzzi, A.T., **Özbilenler, C.**, Ustürk, S. and Altınoğlu, G., 2024. Synergistic role of thymoquinone and 5-fluorouracil in U-251MG glioblastoma cell line. *Turkish Journal of Biochemistry*, 49(1), pp.82-89. doi: 10.1515/tjb-2023-0150.
- 4) Abakan, İ., **Özbilenler, C.**, Ustürk, S., Kerküklü, N.R., Gulcan, H.O., Güran, M. and Gazi, M., 2024. Preparation of Carboxymethyl Cellulose/Polyvinyl Alcohol Cryogels for the Removal of Methylene Blue Dye from Aqueous Media. *Journal of Water Chemistry and Technology*, 46(2), pp.157-168. doi: 10.3103/S1063455X24020024.
- 5) Becer, E., Altundag, E.M., **Özbilenler, C.**, Vatansever, H.S. and Baser, K.H.C., 2023. Antiproliferative, antioxidant and anti-inflammatory effects of *Boswellia Sacra* on human pancreatic cancer cells. *Journal of Essential Oil Bearing Plants*, 26(4), pp.836-847. doi: <https://doi.org/10.1080/0972060X.2023.2257241>.
- 6) Altundağ, E.M., **Özbilenler, C.**, Ustürk, S., Kerküklü, N.R., Afshani, M. and Yılmaz, E., 2021. Metal-Based Curcumin and Quercetin Complexes: Cell Viability, ROS Production and Antioxidant Activity. *Journal of Molecular Structure*, p.131107. doi: 10.1016/j.molstruc.2021.131107.
- 7) Hezarkhani, M., Ustürk, S., **Özbilenler, C.** and Yılmaz, E., 2021. Pullulan/poly (N-vinylimidazole) cryogel: An efficient adsorbent for methyl orange. *Journal of Applied Polymer Science*, 138(37), p.50958. doi: 10.1002/app.50958.

- 8) Altundag, E. M., Toprak, K., Şanlıtürk, G., Güran, M., **Özbilenler, C.**, Kerküklü, N. R., Yılmaz, A. M., and Yalçın, A. S., 2020. Synergistic Combination of Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid and Natural Flavonoid Curcumin Exhibits Anticancer and Antibacterial Activity. *Anti-Cancer Agents in Medicinal Chemistry*, 20: 1. doi:10.2174/1871520620666201006141317.
- 9) **Özbilenler, C.**, Altundağ, E. M., and Gazi, M., 2020. Synthesis of quercetin-encapsulated alginate beads with their antioxidant and release kinetic studies. *Journal of Macromolecular Science, Part A*, 1–10. doi:10.1080/10601325.2020.1817756.
- 10) Altundag, E. M., Gençalp, D., **Özbilenler, C.**, Toprak, K., and Kerküklü, N., 2020. In vitro antioxidant, anti-inflammatory and anti-cancer activities of methanolic extract of *Asparagus horridus* grows in North Cyprus. *Turkish Journal of Biochemistry*, 45(4). doi:10.1515/tjb-2019-0325.

8. Articles in Refereed Journals (National)

- 1) Altundag, E. M., Ustürk, S., **Özbilenler, C.**, Sezer, E., Kısaçam, D., Ömerağa, D., ... & Kardaş, S. N., 2024. Combinational Synergistic Role of Thymoquinone and Celastrol in Colon Carcinoma Cell Line. *Biological Diversity and Conservation*. doi:doi.org/10.46309/biodicon.2024.1445711.

9. Professional Conferences (International)

- 1) **Özbilenler C.**, Mutlu Altundag E., Yılmaz E. Evaluation of 2-hydroxyethyl methacrylate and N-(2-hydroxyethyl) acrylamide based cryogels as potential quercetin release matrices Activity 7. International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey.
- 2) Gençalp D, Mutlu Altundag E, **Özbilenler C**, Kerkuklu N, Toprak K. In vitro antioxidant, and anti-cancer activities of methanolic extract of *Asparagus horridus* grows in North Cyprus XXVII. Balcan Clinical laboratory federation Meeting (BCLF 2019), Antalya, Turkey.

10. Professional Conferences (National)

- 1) **Özbilenler, C.**, Yılmaz, E. and Altundag, E.M. PoliHEAA/ PoliHEMA Kopolimer Jellerin Sentezi, Yığın ve Yüzey Özelliklerinin İncelenmesi. 34. Ulusal Kimya Kongresi, Yalova, Türkiye, Eylül 2022. (Sözlü Sunum).
- 2) **Özbilenler, C.**, and Yılmaz, E. Kriyojenik Ortamda Sentezlenmiş PoliHEAA/PoliHEMA Kopolimerlerin Bovin Serum Albumin Adsorpsiyon Termodinamiğinin İncelenmesi. 34. Ulusal Kimya Kongresi, Yalova, Türkiye, Eylül 2022. (Poster Sunumu).

11. Research Grants

- 1) Elvan Yılmaz (Project Coordinator), Cahit Özbilenler, “Cryogels of 2-hydroxyethyl methacrylate and N-(2-hydroxyethyl) methacrylamide-Optimization of Synthesis Conditions and Investigation of Protein Adsorption and Mechanical Properties” Project Budget: 16 000 TL (Dec 2021-Dec 2022) Eastern Mediterranean University BAP-C Type Project.

12. References

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