**IME I PREZIME: AMINA TUCAK**

**Radni staž**

* 2018. Asistent

Katedra za Farmaceutsku tehnologiju, *Univerzitet u Sarajevu, Farmaceutski fakultet*

**Obrazovanje**

* *2019.*

*Program cjeloživotnog učenja u oblasti pedagoškog obrazovanja i jačanja kompetencija akademskog osoblja Univerziteta u Sarajevu (TRAIN program), Univerzitet u Sarajevu, Farmaceutski fakultet*

* *2018.*

*Upisan III ciklus studija „Farmaceutska istraživanja“ na Farmaceutskom fakultetu Univerziteta u Sarajevu*

* *2018.*

*TAIEX radionica, Biomedicinski inžinjering: Nanotehnologija (Mostar, Bosna i Hercegovina) organizovan od strane Društva za medicinski i biološki inžinjering u Bosni i Hercegovini*

* *2018.*

*Položen stručni ispit za zvanje “Magistar farmacije“, Federalno ministarstvo zdravstva*

* *2017. Magistar farmacije*

*Diplomski rad: Mikroiglama posredovana dostava lijekova kroz kožu– formulacijski aspekti*

*Univerzitet u Sarajevu, Farmaceutski fakultet*

**Studijski boravci u inostranstvu**

* 2019.

Institut za farmaceutske nauke, Katedra za farmaceutsku tehnologiju i biofarmaciju, Univerzitet u Gracu, Austria

* 2018.

Institut za farmaceutske nauke, Katedra za farmaceutsku tehnologiju i biofarmaciju, Univerzitet u Gracu, Austria

* 2017.

Katedra za farmakokinetiku i biofarmaciju, Farmaceutski fakultet, Univerzitet u Ljubljani, Slovenija

**Nastavni rad**

*Integrisani studij I i II ciklusa Farmaceutskog fakulteta Univerziteta u Sarajevu*

* *Predmeti*:

Industrijska farmacija I,

Industrijska farmacija II,

Odabrana poglavlja iz industrijske farmacije – Stabilnost lijekova.

**Projekti:**

* 2019-2020. Saradnik na projektu

Međunarodni projekat „Lipidne nanočestice kao sistemi za dostavu lijekova za mikro RNA“

(Nosioci projekta: Prof. dr. Edina Vranić i Prof.dr. Andreas Zimmer)

* 2017. Saradnik na projektu

Međunarodni projekat „Uticaj odabranih parametara na *in vitro* oslobađanje aktivnih supstanci“

(Nosilac projekta: Prof. dr. Edina Vranić)

**Odabrane publikacije:**

* **Tucak, A.,** Camović, M., Sirbubalo, M., Muhamedagić, K., Čekić, A.,Vranić, E. Struktuiranje 3D-printanih PLA mikroigala za predtretman transdermalne dostave lijekova. (2019). U: *4. Kongres farmaceuta u Bosni i Hercegovini sa međunarodnim učešćem, 10-13. oktobar, 2019. – knjiga sažetaka.* Sarajevo, p. 232-234
* Camović, M., Biščević, A., Brčić, I., Borčak, K., Bušatlić, S., Ćenanović, N., Dedović, A., Mulalić, A., Osmanlić, M., Sirbubalo, M., **Tucak, A.,** Vranić, E. (2019) Coated 3D printed PLA microneedles as transdermal drug delivery systems. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds) *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 735-43. Springer, Cham.
* Camović, M., Biščević, A., Brčić, I., Borčak, K., Bušatlić, S., Ćenanović, N., Dedović, A., Mulalić, A., Osmanlić, M., Sirbubalo, M., **Tucak, A.,** Vranić, E. (2019) Acid-resistant capsules with sugar microneedles for oral delivery of ascorbic acid. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds). *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 749-755. Springer, Cham.
* Krezić, S., Krhan, E., Mandžuka, E., Kovaĉ, N., Krajina, D., Marić, A., Komić, S., Nikšić, A., **Tucak A.,** Sirbubalo M., Vranić E. (2019). Coated 3D Printed Fabrication of rectal and vaginal suppositories using 3D printed moulds: The challenge of personalized therapy. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds) *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 729-735. Springer, Cham.
* Vranić E., Sirbubalo M., **Tucak A.,** Hadžiabdić J., Rahić O., Elezović A. (2019) Development of inhalable dry gene powders for pulmonary drug delivery by spray-freeze-drying. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds) *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 100-101. Springer, Cham.
* Vranić E., **Tucak A.,** Sirbubalo M., Rahić O., Elezović A., Hadžiabdić J. (2019) Microneedle-based sensor systems for real-time continuous transdermal monitoring of analytes in body fluids. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds) *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 100-101. Springer, Cham.
* Sokolović, N., Ajanović, M., Badić, S., Banjanin, M., Brkan, M., Čusto, N., Stanić, B., Sirbubalo M., **Tucak A.,** Vranić E. (2019) Predicting the outcome of granulation and tableting processes using different artificial intelligence methods. In: Badnjevic A., Škrbić R., Gurbeta Pokvić L. (eds) *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Banja luka, 16th -18th May, 2019.* Proceedings of the International Conference on Medical and Biological Engineering, pp. 499-505. Springer, Cham.
* Vranić, E., Grizić, D., **Tucak, A.,** Sirbubalo, M., Glavas Dodov, M., Klebovich, I., Planinsek, O. (2018). In vitro dissolution studies of solid dispersions of clecoxib prepared by using the solvent-evaporation technique and liquisolid impregnation technique. *3rd International Symposium on Scientific and Regulatory Advances in Biological and Non – Biological Complex Drugs: A to Z in Bioequivalence.* Budapest November 12 – 14, 2018, Program and Abstract Book
* Vranić, E., **Tucak, A.,** Vrabac, D., Rahić, O., Elezović, A., Hadžiabdić, J. (2017). Microneedle-assisted delivery of NSAIDs. In: Badnjevic A. (eds) *CMBEBIH 2017*. *IFMBE Proceedings,* vol 62. Springer: Singapore, pp. 311-316.