

Др Михаела Кавран, асистент са докторатом

Ужа научна област: Ентомологија

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Образовање

- Дипл. инж (2010) - Пољопривредни факултет у Новом Саду, смер: Заштита биља
- Дипл. инж – мастер (2013) - Пољопривредни факултет у Новом Саду, смер: фитомедицина, модул: Фитомедицина, Фитофармација
- Доктор пољопривредних наука (2018) - Пољопривредни факултет у Новом Саду, смер: Агрономија

Академске активности

Од 2012. год. ангажована на извођењу практичне наставе из предмета: Основи ентомологије, Систематика инсеката и медицинска ентомологија, Урбана ентомологија, Синантропни организми, Акватични екосистеми, Сузбијање синантропних инсеката, Еколошке основе заштите биља и животне средине. Раније била ангажована на извођењу вежби на предметима Зооциди, Биоциди и Заштита биља.

Чланство у удружењима

- Ентомолошко друштво Србије
- European Mosquito Control Association

Остале активности

- Укупно је објавила 25 научне публикације од чега 8 у часописима од међународног значаја (категирија M20).
- Рецензирала је 10 научних радова у међународним часописима са импакт фактором.
- Од 2020. године активно учествује на позицији националног експерта у оквиру COST акције задуженог за промовисање науке која укључује грађане (цитизен сциенце) и евалуатора извештаја грађана на европском нивоу.
- Водила је секције на европској конференцији у Ла Рошелу, Француска, у марту 2019.
- 2 предавања по позиву на европском нивоу и два на домаћим научним скуповима.
- Говори, чита и пише енглески и немачки језик

Листа најзначајнијих пројеката:

1. Establishing Genetic Control Programmes for Aedes Invasive Mosquitoes. Project No: RER/5/022. International Atomic Energy Agency (IAEA), 2016-2020. **2. One health network for the prevention of vector-borne diseases around the Mediterranean and Sahel regions** - MediLabSecure (MLS) Project (2014-2018 i 2018 – 2022).

Innovation fund project Ecologically friendly biocide – the project is funded by the - (European Union and The World Bank), подршке inovacijama u Srbiji (2012-2016). **3. VectorNet project:** The European network for sharing data on the geographic distribution of arthropod vectors, transmitting human and animal disease agents. EFSA and ECDC (2014-2018). **4. European Network for Neglected Vectors and Vector-Borne Infections** EurNegVec COST TD1303 (2013-2017). **5. Arbovirus Monitoring, Surveillance and Research Project,** AMSAR, SCOPES project no.160429, “Arbovirus Monitoring, Surveillance and Research—capacity building on mosquitoes and biting midges (AMSAR)” Universität Zürich, Switzerland (2015-2017). **6. INFRAVEC 2 Research capacity for the implementation of genetic control of mosquitoes 2,** HORIZON 2020, (2016-2020).

Избор 10 најзначајнијих тренинг курсава:

1. “Interregional Training Course on Use of the Sterile Insect and Related Techniques for the Area-wide Integrated Management of Insect Pests” held in Tapachula, Chiapas, Mexico and Guatemala City, Guatemala from 10th June to 5th July 2019. Organized by Pablo Montoya (Mexico) and Pedro Rendon (Guatemala). **2. Molecular diagnosis of relevant zoonotic arboviruses.** Leader: Dry Migel Angel Jimenez Clavero. June 15th-19th 2015. **MediLabSecure.** INIA-CISA, Valdeolmos (Madrid), Spain. **3. Laboratory course for the molecular based identification of specimens of *Anopheles maculipennis s.l.* and *Culex pipiens* complex.** Leader: Dr. Norbert Becker and Diplombiologe Thomas Weitzel. 17th August till 23rd October,

Institute for Dipterology – Gesellschaft zur Förderung der Stechmückenbekämpfung e.V.-GFS Speyer, Germany. **4. Regional training course on the use of rational database, GIS and modelling to optimise mosquito control including SIT components.** Montpellier, France, from 9 to 13 July 2018. Team Leader UMR ASTRE CIRAD Thierry Baldet.

5. “Rearing of *Aedes albopictus* and Sterilization Insect Technique” sponsored by the European Union’s Horizon 2020 research and innovation programme under grant agreement No 731060 -INFRVEC2-, 22-28 July 2018. Dr. Romeo Bellini, head of the Sanitary Entomology & Zoology Department. Centro Agricoltura Ambiente “G.Nicoli” IAEA Collaborating Centre. Bologna. **6. Basic use of R software to infer demographic parameters of wild and sterile mosquitoes from entomological monitoring data.** International Atomic Energy Agency in Seibersdorf, Austria from 18th till 22nd of February 2019. **7. Regional Training Course on Field Procedures for Mosquito Population Surveillance, Detection and Quantification”,** IAEA Tirana, Albania, from 4th to 15th September 2017. **8. “Establishing Genetic Control Programmes for *Aedes* Invasive Mosquitoes” Group Fellowship Field of Activity : Mark-Release-Recapture trial,** from 2nd to 13th September 2019, organized by Antonios Michaelakis, Department of Entomology and Agricultural Zoology, Benaki Phytopathological Institute, Athens. **9. 1st European workshop on testing procedures for monitoring and managing insecticide resistance in invasive mosquitoes”.** November 18-22, 2019 in Montpellier, France. **10. Synthesis of the Pan-European Survey on increasing our understanding regarding integrated vector management approaches.** Date: 08/03/2020-16/03/2020 Location: Enalia Physis/Cyprus Institute/

Одабране публикације

1. **Kavran M.**, Zgomba M., Ignjatovic-Ćupina A., Lazić S., Petrić D. (2015): Choice of optimal biocide combination to control flies (Diptera: Muscidae). *Annals of Agricultural and Environmental Medicine*. Institute of Rural Health in Lublin, Poland. ISSN: 1232-1966 eISSN: 1898-2263. 2015, Vol 22, No 2, 242–245. (M23= 3). IF= 1.215
2. Petrić, D., Petrović, T., Hrnjaković Cvjetković, I., Zgomba, M., Milošević, V., Lazić, G., Ignjatović Ćupina, A., Lupulović, D., Lazić, S., Dondur, D., Vaselek, S., Živulj, A., Kisin, B., Molnar, T., Janku, D., Pudar, D., Radovanov, J., **Kavran, M.** et al. (2016): West Nile virus ‘circulation’ in Vojvodina, Serbia: Mosquito, bird, horse and human surveillance. *Molecular and Cellular Probes* 31 (2017), 28-36.
3. Dubravka Pudar, Dušan Petrić, Xavier Allène, Bulent Alten, Nazlı Ayhan, Aleksandar Cvetkovikj, Claire Garros, Teufik Goletić, Filiz Gunay, Kristyna Hlavackova, Aleksandra Ignjatović Ćupina, **Mihaela Kavran** et al. (2018): An update of the Culicoides (Diptera: Ceratopogonidae) checklist for the Balkans. *Parasites & Vectors* 11(1): 462,
4. **Mihaela Kavran**, Marija Zgomba, Thomas Weitzel, Dusan Petric, Christina Manz, Norbert Becker (2018): Distribution of *Anopheles daciae* and other *Anopheles maculipennis* complex species in Serbia. *Parasitology Research*, Vol. 117(10):3277-3287. doi: 10.1007/s00436-018-6028-y. Epub 2018 Aug 28. (M22=5), IF= 1.843
5. Vasić A, Zdravković N, Aniță D, Bojkovski J, Marinov M, Mathis A, Niculaua M, Oşlobanu EL, Pavlović I, Petrić D, Pflüger V, Pudar D, Savuța G, Simeunović P, Veronesi E, Silaghi C, Aniță A, Anton IA, Cimpan A, Ciucă L, Crivei L, Cojkić A, Davitkov D, Drašković V, Gajić B, Glavinić U, Ivănescu ML, **Kavran M** et al. (2019): Species diversity, host preference and arbovirus detection of Culicoides (Diptera: Ceratopogonidae) in south-eastern Serbia. *Parasites & vectors*. 12(1): 61. (M21=8), IF=2.824.
6. Ana Vasić, Luanda Elena Oşlobanu, Mihai Marinov, Luciana Alexandra Crivei, Ioana Alexandra Răţoi, Adriana Aniță, Dragoş Aniță, Alexandru Doroşencu, Vasile Alexe, Ştefan Răileanu, Predrag Simeunović, Cristian Raileanu, Elena Falcuța, Florian Liviu Prioteasa, Jovan Bojkovski, Ivan Pavlović, Alexander Mathis, Birke Andrea Tews, Gheorghe Savuța, Eva Veronesi, Cornelia Silaghi, Andrei Cimpan, Lavinia Ciucă, Aleksandar Cojkić, Vladimir Drašković, Miloje Djurić, Uroš Glavinić, Maria Larisa Ivanescu, **Mihaela Kavran** et al. (2019): Evidence of West Nile Virus (WNV) Circulation in Wild Birds and WNV RNA Negativity in Mosquitoes of the Danube Delta Biosphere Reserve, Romania, 2016. *Tropical medicine and infectious disease*. 4(3):116. (M23=3)
7. **Kavran, Mihaela**, Igor Pajović, Dušan Petrić, Aleksandra Ignjatović-Ćupina, Nedeljko Latinović, Miomir Jovanović, Stephen Alexander Quarrie, and Marija Zgomba. "Aquatrain AMF efficacy on juvenile mosquito stages in control of *Culex pipiens* complex and *Aedes albopictus*." *Entomologia Experimentalis et Applicata* (2020). (M22=5) IF=1.696
8. Janssen, N., Graovac, N., Vignjević, G., Bogojević, M.S., Turić, N., Klobučar, A., **Kavran, M.**, Petrić, D., Ćupina, A.I., Fischer, S. and Werner, D., 2020. Rapid spread and population genetics of *Aedes japonicus japonicus* (Diptera: Culicidae) in southeastern Europe (Croatia, Bosnia and Herzegovina, Serbia). *Plos one*, 15(10), p.e0241235 (M21=8) IF=2.740

Др Михаела Кавран: Teaching assistant with PhD

Field of research: Entomology

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телефон: +381643494819

• Academic qualifications

- **B.Sc.** (2010) - Пољопривредни факултет у Новом Саду, смер: Заштита биља
- **M.Sc.** (2013) - Пољопривредни факултет у Новом Саду, смер: фитомедицина, модул: Фитомедицина, Фитофармација
- **PhD** (2018) - Пољопривредни факултет у Новом Саду, смер: Агрономија

Academic activities

Since 2012. assisting in students laboratory practical exercises on subjects: General entomology, General Entomology, Systematic of Insects, Medical Entomology, Urban Entomology and Synanthropic Insects, Ecology of Plant and Environmental Protection. In the prior period engaged on Zoocides, Biocides and Plant protection.

Memberships

- Ентомолошко друштво Србије
- European Mosquito Control Association

Other activities

- Published 25 scientific papers, of which 8 in journals with impact factor (category M20).
- Review of 10 scientific papers in journals with impact factor.
- Since 2020. national expert within COST action for Mosquito alert app, in charge of citizen science promotion and evaluation of citizen reports at the European reports.
- Chairing person of the session at the IX EMCA Conference in La Rochelle, France, March 2019.
- Two times invited speaker in international event and two times in national.
- Languages: English, German.

Selected projects

1. Establishing Genetic Control Programmes for Aedes Invasive Mosquitoes. Project No: RER/5/022. International Atomic Energy Agency (IAEA), 2016-2020. **2. One health network for the prevention of vector-borne diseases around the Mediterranean and Sahel regions** - MediLabSecure (MLS) Project (2014-2018 i 2018 – 2022).

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Selected training courses

1. “Interregional Training Course on Use of the Sterile Insect and Related Techniques for the Area-wide Integrated Management of Insect Pests” held in Tapachula, Chiapas, Mexico and Guatemala City, Guatemala from 10th June to 5th July 2019. Organized by Pablo Montoya (Mexico) and Pedro Rendon (Guatemala). **2. Molecular diagnosis of relevant zoonotic arboviruses.** Leader: Dry Migel Angel Jimenez Clavero. June 15th-19th 2015. **MediLabSecure.** INIA-CISA, Valdeolmos (Madrid), Spain. **3. Laboratory course for the molecular based identification of specimens of Anopheles maculipennis s.l. and Culex pipiens complex.** Leader: Dr. Norbert Becker and Diplombiologe Thomas Weitzel. 17th August till 23rd October, Institute for Dipterology – Gesellschaft zur Förderung der Stechmückenbekämpfung e.V.-GFS Speyer, Germany. **4. Regional training course on the use of rational database, GIS and modelling to optimise mosquito control including SIT components.** Montpellier, France, from 9 to 13 July 2018. Team Leader UMR ASTRE CIRAD Thierry Baldet.

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Selected publications

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