

**Dr Marija Zgomba, redovni profesor**

**Uža naučna oblast: Fitofarmacija**

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### **Obrazovanje**

- **Dipl. inž. (1974)** - Poljoprivredni fakultet u Novom Sadu, smer – zaštita bilja
- **Magistar nauka (1978)** - Poljoprivredni fakultet, u Novom Sadu, smer – zaštita bilja
- **Doktor nauka (1987)** - Poljoprivredni fakultet u Novom Sadu, Doktorska disertacija: "Uticaj larvicida korišćenih za suzbijanje komaraca (Diptera: Culicidae) na akvatičnu entomofaunu u nekim biotopima Vojvodine"

### **Odabrane publikacije**

1. Petrić, D., **Zgomba, M.**, Bellini, R. and Becker N. (2012): Surveillance of Mosquito Populations: A Key Element to Understanding the Spread of Invasive Vector Species and Vector-Borne Diseases in Europe. In D. Mihailović Ed.: Essays on Fundamental and Applied Environmental Topics. *Nova Science Publishers*. p. 192-224.
2. Becker N., Petrić D., **Zgomba M.**, Boase C., Madon M., Dahl C. and Kaiser A. (2010): Mosquitoes and their control. Second Edition. Springer Verlag, Heidelberg ISBN 978-3-540-92873-7. pp579
3. Becker N. and **Zgomba M.**(2007): Mosquito control in Europe. In: Emerging pests and vector-borne diseases in Europe edited by Willem Takken and Bart G. J. Knols. Volume 1. Wageningen Academic Publishers. ISBN 978-90-8686-053-1. ISSN 1875-0699. pp. 499.
4. Becker N., Petrić D., **Zgomba M.**, Boase C., Dahl C, Lane J. and Kaiser A.. (2003). Mosquitoes and their control. Kluwer Academic/Plenum Publishers, New York. ISBN 0-306-47360-7. pp.498.
5. **Zgomba M.**, Petrić D. (2008): Risk Assessment and Management of Mosquito-Born Diseases in the European Region. Proceedings of the 6th International Conference on Urban Pest. Editors William H. Robinson and Daniel Bajomi. pp 29-39. ISBN 978-963-06-5326-8

### **Odabrani projekti**

1. Srednjoročni projekti organizovanog suzbijanja komaraca na teritoriji AP Vojvodine za periode 1976-1980., 1980-1985., 1985-1990, 1995-2000 i Integralnog suzbijanja komaraca 2004-2009 (autor, rukovodilac i koordinator)
2. "Razvoj metoda za ranu detekciju virusa Zapadnog Nila u ugroženim regionima Srbije" BTTR 006920B, Republika Srbija, Ministarstvo nauke i tehnološkog razvoja, 2005-2007. Rukovodilac prvog nacionalnog projekta o utvrđivanju prisustva virusa Zapadnog Nila u komarcima i ljudima.(učesnik)
3. "Monitoring invazivnih i vektorskih vrsta komaraca i transmisivnih bolesti", Fond za sufinansiranje naučnoistraživačkih programa i projekata i aktivnosti na jačanju svesti o potrebi zaštite životne sredine, Grad Novi Sad, Gradska Uprava za zaštitu

- životne sredine, 2009-2010. Rukovodilac prvog nacionalnog projekta o monitoringu invazivnih vrsta komaraca.(učesnik)
4. "Istraživanje klimatskih promena i uticaja na životnu sredinu: promene, adaptacije i mitigacije ", III 43007, Republika Srbija, Ministarstvo prosvete i nauke, integralna i interdisciplinarna istraživanja, 2011-2014. Koordinator radnog paketa za monitoring invazivnih vrsta komaraca i prisustva virusa Zapadnog Nila u komarcima i čoveku.(učesnik)
  5. "Monitoring prisustva virusa Zapadnog Nila u vektorima i prokuženosti humane populacije", Republika Srbija, AP Vojvodina, Pokrajinski sekretarijat za nauku i tehnološki razvoj, 2011-2014. Rukovodilac projekta.

### **Akadske aktivnosti**

- **Nastava** iz uže naučne oblasti : Fitofarmacija
- **Mentor**, 2 magistarske teze, 2 master rada i 18 diplomskih radova. Učesnik je u većem broju komisija za odbranu na svim nivoima studija.

### **Članstvo u udruženjima (do 5)**

- Društvo za zaštitu bilja R Srbije
- Entomološko Društvo Srbije
- SOVE (Society for Vector Ecology)
- EMCA (European Mosquito Control Association)
- AMCA (American Mosquito Control Association)

### **Ostale aktivnosti (do 5)**

- Organizacija većeg broja međunarodnih skupova u zemlji i inostranstvu
- Članstvo u naučnim odborima za odabir i recenziju radova na međunarodnim skupovima (18), predsedavanja na skupovima i u sekcijama na nacionalnom, evropskom i internacionalnom nivou
- Regionalni koordinator programa WHO Roll Back Malaria za Jugoistočni Balkan
- Direktor Evropskog regiona Društva za ekologiju vektora SOVE od 1995.-1997.,Predsednik Evropske asocijacije za suzbijanje komaraca – EMCA (2004-2007)
- 12 predavanja po pozivu na svetskim i evropskim skupovima
- Dobitnik priznanja:Srebrna plaketa Univerziteta Ber Sheva, Izrael, za naučna dostignuća u proučavanju bioloških agenasa i implementaciji biološke borbe (1996), Plakete za izvanredne zasluge koje je postigla za vreme mandata kao Predsednik Evropske Asocijacije za suzbijanje komaraca – EMCA, 2007, Laureat najviše nagrade koju dodeljuje međunarodna Asocijacija za proučavanje ekologije vektora (SOVE) izvanredne zasluge i postignute rezultate u oblasti medicinske entomologije, ekologije vektora i dugogodišnji predani rad u uspostavljanju i promovisanju ekološki prihvatljivih i efektivnih mera u suzbijanju insekata vektora
- Govori, čita i piše engleski, nemački i služi se francuskim

**Professor Marija Zgomba, Ph.D. Pesticide Science**  
**Field of research: Zoocides, (Insecticide, biocides, biological control)**  
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**Telephone: +381 21 485 3355**

#### **Academic qualifications**

- **B.Sc.** (1974) - University of Novi Sad, Faculty of Agriculture
- **M.Sc.** (1978) - University of Novi Sad, Faculty of Agriculture
- **Ph.D.** (1987) - University of Novi Sad, Faculty of Agriculture. PhD Thesis: "Impact of larvicides used for mosquito control on non target biota at some mosquito breeding sites of Vojvodina"

#### **Selected publications**

1. Petrić, D., **Zgomba, M.**, Bellini, R. and Becker N. (2012): Surveillance of Mosquito Populations: A Key Element to Understanding the Spread of Invasive Vector Species and Vector-Borne Diseases in Europe. In D. Mihailović Ed.: Essays on Fundamental and Applied Environmental Topics. *Nova Science Publishers*. p. 192-224.
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3. **Zgomba M.**, Petrić D. (2008): Risk Assessment and Management of Mosquito-Born Diseases in the European Region. Proceedings of the 6th International Conference on Urban Pest. Editors William H. Robinson and Daniel Bajomi. pp 29-39. ISBN 978-963-06-5326-8
4. Becker N. and **Zgomba M.**(2007): Mosquito control in Europe. In: Emerging pests and vector-borne diseases in Europe edited by Willem Takken and Bart G. J. Knols. Volume 1. Wageningen Academic Publishers. ISBN 978-90-8686-053-1. ISSN 1875-0699. pp. 499.
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#### **Selected projects**

1. Projects on sustainable mosquito control in Vojvodina Province for the periods: 1976-1980., 1980-1985., 1985-1990, 1995-2000 and Integrated Mosquito Control 2004-2009 (author, principal investigator or coordinator)
2. "Development of methods for early detection of West Nile virus in the endangered regions of Serbia" BTTR 006920B Ministry for Science and Technological Development of Serbia, 2005-2007. Coordinator of the first national project on West Nile Virus (WNV) surveillance in mosquitoes and humans.
3. "Monitoring of invasive and vector mosquitoes and vector borne diseases", Research foundation of City Administration for Environmental Protection of Novi Sad, 2009-2010. Coordinator of the first national project on invasive species monitoring.
4. "Studying climate change and its influence on the environment: impacts, adaptation and mitigation" III 43007, Ministry of Education and Science of the

Republic of Serbia within the framework of integrated and interdisciplinary research for the period 2011-2014. Coordinator of the work package on invasive species monitoring and WNV surveillance in mosquitoes and humans in Serbia.

5. "Surveillance of West Nile virus in vector and human populations", Provincial Secretariat for Science and Technological Development, AP Vojvodina, Serbia, 2011-2014, (Contract No 114-451-2142/2011-01). Coordinator of the project.

### **Academic activities**

- Teaching at undergraduate and postgraduate studies ( Pesticide Science (zoocides, Integrated Pest Control, Plant Protection)
- , Supervisor of 2 Magister's thesis, 2 M.Sc. thesis, 70 B.Sc. thesis, member in numerous committees
- The topics of research covered are: development of chemical and biological control strategies, mosquitoes and of black flies control, pesticides-non target biota interactions, and ecology of medically important insects.

### **Memberships**

- Plant Protection Society of Serbia
- Entomological Society of Serbia
- Society for Vector Ecology
- European Mosquito Control Association
- American Mosquito Control Association

### **Other activities**

- Member of Scientific committees for evaluation/review of papers/publications at international conferences (18) Chairing of number of Conferences at national, international and European Organization of scientific meetings/conferences of national and international level
- 12 invited presentations/key note speaker at European or International Meetings
- Regional coordinator of WHO Roll Back Malaria program for South East Europe
- Has rendered services to many agencies and academic institutions and public and governmental organizations.
- Received Research Excellence Award, Center for Biological Control, Ben Gurion University, Beer Sheva 1996, (Israel)
- Has been the recipient of recognition award for outstanding service as President (2004-2007) from EMCA
- European SOVE Director (1995-1998), President of European Mosquito Control Association – EMCA (2004-2007)
- Recipient of prestigious Award DISTINGUISHED ACHIEVEMENT AWARD of SOVE to honor and recognize superb services to the profession of medical entomology, vector ecology and dedicated long-standing efforts in establishing and promoting effective mosquito and other vector control programs (2009)
- Language skills: English, German, French

