

Mirko Knežević

- Soil scientist and dealing with soil mapping, soil quality, GIS and modelling
- Implementation of project activities addressing policy and strategy changes in the agriculture and rural development sectors in Montenegro
- Employed in Centre for research of soil and melioration at Biotechnical institute as a high research assistant in February 01st1998 year
- In period of October 2001-July 2002 and October 2003-July 2004 candidate was abroad for advanced training at Institute for Mediterranean culture-Bari (Italy) - Department for Land and Water Resource Manggement topic “Use of GIS and modelling for selection of appropriate crops under diferent soil, climatic and hydrological conditions: the case study of Bjelopavlicka plain in Montenegro”.
- In period from May 24th till June 29th 2005 year, candidate was abroad for advanced training in Centre for International cooperation in agricultural field in Shefayim-Israel, topic Advanced irrigation systems for intensive crop production.

Membership of professional bodies: Representative of Montenegro in European Soil Bureau Network (ESBN), MASHAV – Shalom Club – Center for International Cooperation – Jerusalem – Israel;

CURRICULUM VITAE

Proposed role in the project:

1. **Family name:** Knežević
2. **First names:** Mirko
3. **Date of birth:** 21.02.1971.
4. **Nationality:** Montenegrin
5. **Civil status:** married
6. **Education:**

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Secondary (gymnasium) Centre 'Slobodan Škerović' Podgorica, Montenegro, Department for Physics (1985-1989)	Junior Researcher in Physics
Belgrade University, Faculty of Agriculture; Department for Soil Melioration (1990-1995)	Graduate Engineer / University degree (BSc)
Belgrade University, Faculty of Agriculture; Department for Soil Melioration (1995-2000)	Master of Biotechnical Science (MSc)
Belgrade University, Faculty of Agriculture; Department for Soil Melioration (2008)	Doctor of Biotechnical Science (PhD)

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Serbian (mother tongue)	1	1	1
English	2	2	3
Italian	5	5	5

8. **Membership of professional bodies:** Representative of Montenegro in European Soil Bureau Network (ESBN), MASHAV – Shalom Club – Center for International Cooperation – Jerusalem – Israel;

9. **Other skills:** (e.g. Computer literacy, etc.) Computer literacy: Microsoft office (MSWord, PowerPoint, Excel, Internet Explorer, Outlook), MapInfo, Adobe PhotoShop, CorelDraw, Driving licence

10. **Present position:** High Research Assistant at Biotechnical Institute (University of Montenegro)

11. **Years within the firm:** 13 years

12. **Key qualifications:**

- 13 years working experience
- Implementation of project activities addressing policy and strategy changes in the agriculture and rural development sectors in Montenegro
- Experience in working within a multi-cultural and multi-ethnic environment

- Project formulation; coordination, monitoring, evaluation and administration of project activities
- Knowledge of the policy for the agriculture and rural development sector in Montenegro
- Extensive knowledge of project preparation and programming including Project Cycle Management and related Logical Framework Approach for environmental and economic sustainable development projects
- Experience in holding positions of responsibility and excellent leaderships and management skills
- Analysis and policy advice to Ministries including development and operationalization of National Development Policies
- Planning and preparation of Technical/Financial Assistance programmes, particularly with respect to the institutional strengthening and decentralisation public institutions
- Facilitation of the participatory process of developing Local Economic Strategies
- Extensive knowledge of local and regional development planning processes and inter-sectoral planning

13. **Specific experience:**

Advanced training at Institute for Mediterranean culture-Bari (Italy) - Department for Land and Water Resource Management topic *“Use of GIS and modelling for selection of appropriate crops under different soil, climatic and hydrological conditions: the case study of Bjelopavlicka plain in Montenegro” (2001/2002 and 2003/2004)*

Advanced training in Centre for International cooperation in agricultural field in Shefayim-Israel, topic *Advanced irrigation systems for intensive crop production. (2005)*

14. Professional experience

Date from - Date to	Location	Company	Position	Description
01.2010 - 12.2011	Podgorica	Biotechnical institute	High Research Assistant	Program of education of persons responsible for trade and use of fertilizers
01.2010 - 12.2011	Podgorica	Biotechnical institute	High Research Assistant	Status and distribution of cadmium in potato production in Montenegro
01.2010 - 12.2011	Podgorica	Biotechnical institute	High Research Assistant	Advanced algorithms for control of soil fertility
01.2008 - 12.2011	Podgorica	Biotechnical institute	High Research Assistant	Study the influence of foliar nutrition on the content of polyphenolic compounds during the ripening grapes of table grape varieties in Podgorica vineyards
05.2009- 12.2009	Podgorica	UNDP	National Consultant in Climate Change –Agriculture sector of Vulnerability and Adaptation	The Initial National Communication of Montenegro to the United Nations Framework Convention on Climate Change
06.2008- 09.2008.	Podgorica	WWF	Profesional consultant	Study on water regime of river Moraca and Skadar Lake. Objectives of the study is to understand - the flow regime of Moraca River and tributaries and the connection with water regime in Skadar Lake with its seasonal variations, - water quality of Moraca and Skadar Lake - connection between water regime in Moraca and Skadar Lake wetlands, - impact of planned dams on water regime of Moraca and Skadar Lake
01.2007- 10.2007	Niksic	Municipality of Niksic	Profesional consultant	LEAP (Local ecological action plan) - The study analysed different opportunities for use and protection agricultural land and gave recommendations for the future development of agricultural production.

02.2006-08.2006	Danilovgrad	Municipality of Danilovgrad	Team member	Spatial plan of municipality Danilovgrad - The study analysed global social and agriculture situation in Danilovgrad municipality and gave recommendations for the future development of agricultural production with emphasis on improvements in production and processing, marketing as well as organizational aspects.
03.2006-06.2007	Podgorica	UNDP	Team member	Selfassessment for national capacity in Montenegro -UN convetion to combat desertification - Evaluation of national capacity related to environmental management in Motenegro and comparision with UN convention
03.2004 -	Podgorica	Biotechnical institute	High Research Assistant	Drainage and irrigation modeling in Bjelopavlicka Plain with application of GIS - Identification and formulation of irrigation and drainage, and solving of problem of economical soil use on farm level
01.2005-09.2007	Ulcinj	Biotechnical institute	High Research Assistant	Research of nonparasitic (physiological) diseases of citruses – Research of fertilisation, giving of recommandation for applicitation doses to farmers in Ulcinjsko Field with emphasis on environmental protection
01.2002-05.2006	Podgorica	Biotechnical institute	High Research Assistant	Identification of chemical nature of available phosphorus in soil of Cemovsko Field – Investigation of fraction of available phosphorus in calcareous soil in term of fertilsation practice
03.2001-10.2007	Podgorica	Biotechnical institute	High Research Assistant	System control of soil fertility of Cemovsko Field under vineyard and peach - Research of fertilisation, giving of recommandation for applicitation doses to “Plantaze Company” with emhasis on environmental protection
01.2002-09.2004	Podgorica	Biotechnical institute	High Research Assistant	Research of water quality for irrigation Zetsko Bjelopavlicka Plain - Evaluation of water quality for irrigation and possibility of economical use for irrigation purpose on farm level with emphasis on environmental protection

02.1998-06.2000	Podgorica	Biotechnical institute	Research Assistant	Soil drainage of Zetsko-Bjelopavlicka Plain in conditions of sustainable development - For the purpose of the modern approach to the soil drainage the relationship between it and the notion of "sustainable development" which represents human understanding insight of the need to preserve environment and their insight of the limitation of natural resources is analysed in this study
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15. Other relevant information (e.g., Publications)

K 2.4.

1. Topalović Ana, Knežević Mirko, Vajs Vlatka (2013): Total phenolics and antioxidants from fruits and vegetables: Evaluation of daily intake. *Poljoprivreda i šumarstvo* (59. 1: 143-154,).

K 3.1.

2. Ana Topalović, Ana Slatnar, Franci Štampar, Mirko Knežević, Robert Veberič, "Influence of foliar fertilization with P and K on chemical constituents of grapes cv. 'Cardinal'," *Journal of Agricultural and Food Chemistry* (ISSN:0021-8561), Volume , Issue , Aug. 2011, Page(s)

K. 3.3.

2. Topalović Ana and Knežević Mirko: Status of nutrients in vineyards of Ćemovsko polje (Montenegro), *Zemljište i biljka*, 2014 (in press).
3. Topalović Ana, Pfenđt Petar, Perović Natalija and Knežević Mirko: „Status of Pb and Cu in the calcareous soils of Ćemovsko Field“ *Zemljište i biljka* Vol. 60, No 1, 2011 p.75-84, ISSN 0514-6658, COBISS.SR-ID 338701
4. Topalović Ana, Pfenđt Petar, Knežević Mirko i Perović Natalija: „Application of multivariate statistical analysis for the estimation of the phosphorus status in calcareous soil“ *Natura Montenegrina*, No 9/2010, (2010), p. 951-956, ISSN 1451-5776 CD-Rom edition
5. Milić Ćurović, Milan Medarević, Rade Cvjetićanin, Mirko Knežević: „Glavne karakteristike mješovitih bukovo-jelovih prašumskih zajednica u Nacionalnom parku – Biogradska Gora“ *Glasnik Šumarskog fakulteta*, 103/2011 (157-172), ISSN 0353-4537 COBISS.SR-ID 27226370
6. Topalović Ana, Perović Natalija i Knežević Mirko: Primjena infracrvene spektroskopije u indentifikaciji minerala u zemljištu Ćemovskog polja. - *Poljoprivreda i šumarstvo*, God. 49, Br. 1-2 (2003), st. 17.-27., YU ISSN 0554-5579
7. Perović Natalija, Radulović Mirjana, Knežević M. (2003): Promjene nekih hemijskih osobina zemljišta u plantažnim zasadima Ćemovskog polja; *Poljoprivreda i šumarstvo*, God. 49, Br. 3-4 (2003), st. 17.-28., YU ISSN 0554-5579
8. Topalović Ana, Perović Natalija and Knežević Mirko: Asocijacije fosfora i metala u krečnjačkom zemljištu Ćemovskog polja. - *Poljoprivreda i šumarstvo*, God. 49, Br. 3-4 (2003), st. 29.-40., YU ISSN 0554-5579
9. Topalović A., Mikulić-Petkovšek M., Perović N., Trifunović S., Knežević M. (2012): Phenolic composition of the leaf of grapevine cv. ‘Cardinal’, *Agriculture & Forestry*, 52 (06), 1-4, 5-15.
10. Knežević M., Perović N., Životić Lj., Ivanov M., Topalović A. (2012): Simulation of silage-maize water balance with CROPWAT and ISAREG models, *Agriculture & Forestry*, 56. (10) (1-4): 5-17.
11. Knežević M., Perović N., Životić Lj., Ivanov M., Topalović A. (2012): Simulation of winter wheat water balance with CROPWAT and ISAREG models, *Agriculture & Forestry*, (59. (1): 41-52.).
12. Ćaković, D., Stešević, D., Iković, V., Knežević, M., Latinović, N.(2012): Contribution to the knowledge of weed flora of Bjelopavlići plain. *Agriculture and Forestry* (ISSN 0554-5579) (58. (4): 25-41.).

K 4.1.

13. Knežević Mirko, Mladen Todorović (2004): Sustainability aspects of the Skadar lake water level regulation; Conference on Water Observation and Information Systems for Decision Support-Balwois, *CD-edition*, Ohrid, pp.302., ISBN 9989-110-26-3, COBISS.MK-ID 57111050
14. M. Grubišić, M. Knežević, Mirjana Stojanović, D. Stevanović, Jelena Milojković (2008): Application GIS in projecting and pursuance tehnologius for remediation soils, III simposijum "*Reciklažne tehnologije i održivi razvoj*", sa međunarodnim učešćem, Sokobanja, Okrobar (2008), p. 424-429 ISBN 978-86-80987-61-3, COBISS.SR-ID 151692044

K 5.2.

15. Fuštić B., Topalović Ana i Knežević N. M. (2005): Zemljišta Crne Gore kao resurs održivog razvoja; XI Kongres društva za proučavanje zemljišta Srbije i Crne Gore - Zemljište kao resurs održivog razvoja, *Plenarni referati i apstrakti*, Budva, str.3-17, ISBN 86-7664-047-5, COBISS.CG-ID 9457424

K 6.1.

16. Mirko N. Knežević (2008): Planiranje i projektovanje sistema za odvodnjavanje i navodnjavanje u Bjelopavličkoj ravnici, Doktorska disertacija, Univerzitet u Beogradu, Poljoprivredni fakultet Beograd

K.6.2.

17. Knezevic Mirko (2004): Use of GIS and modelling for selection of appropriate crops under different soil, climatic and hydrological conditions: the case study of Bjelopavlicka plain in Montenegro, Master of Science – Land and Water Resource Management: Irrigated Agriculture, Istituto Agronomico Mediterraneo di Bari, Bari

K.9.4.

18. Univerzitet Crne Gore Biotehnički fakultet - Kmetijski institut Slovenije, bilateralni projekat – Napredni algoritmi za kontrolu plodnosti