

Senka Barudanović

PERSONAL INFORMATION

Senka Barudanović



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Female | 21.02.1961. | Bosnian

OCCUPATIONAL FIELD

S. Barudanovic, Ph.D. in Biological Sciences, works as a full professor at the Faculty of Science in Sarajevo. She has 30 years of experience in research of and teaching on the Balkan ecosystem plant ecology, ecosystem diversity and services. In transitional time of post-war period in her country, she has gained the knowledge and skills relevant to the conservation and sustainable management of biodiversity at the international, regional, national and sub-national level. After decision of CBD COP 10, she has served as a chair of the Subsidiary Body on Scientific, Technical, Technological Advice (SBSTTA 15 and 16). She successfully served the EE region as a representative in IPBES (4-7) and CBD COP (12,13) Bureaus. Currently, she acts as CEE regional representative in SBSTTA Bureau of CBD, where she actively represents the regional interests and opinions of the Central and Eastern Europe.

WORK EXPERIENCE

Period

Position held

Main responsibilities

Name and address of employer Type of organization

Period

Position held

Main responsibilities

Name and address of employer

Type of organization

2015 - present

Full professor

Education (Subjects: Plant ecology, Landscape ecology, Environmental planning, Environmental policy, Macroecology, Ecology of invasive species, Conservation ecology, Biodiversity and climate change)

Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Academic and research institution

2009 - 2015

Associate professor

Education (Subjects: Plant systematics, Plant ecology, Environmental planning, Environmental policy, Environmental protection, Macroecology, Conservation ecology, Biodiversity and climate change) Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Academic and research institution



Senka Barudanović

Period 2004 - 2009

Position held Assistant professor

Main responsibilities Education (Subjects: Botany, Plant systematics, Plant ecology, Human ecology and environmental

protection)

Name and address of employer

Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Type of organization Academic and research institution

Period 2004 - 2009

Position held Assistant professor

Main responsibilities Education (Subjects: Botany, Plant systematics, Plant ecology, Human ecology and environmental

protection)

Name and address of employer

Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Type of organization Academic and research institution

Period 1997 - 2004

Position held Assistant

Main responsibilities Education (Subjects: Botany, Plant systematics, Plant ecology, Human ecology and environmental

protection)

Name and address of employer

Faculty of Science, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Type of organization Academic and research institution

Period	1992- 1996	
	No occupation, status of war refugee	

Period 1997 - 2004

Position held Research assistant

Main responsibilities Research and monitoring of flora and vegetation of Bosnia and Herzegovina

Name and address of employer Bio

Biological institute, University of Sarajevo, Zmaja od Bosne 33-35, Sarajevo, Bosnia-Herzegovina

Type of organization Research institution

EDUCATION

Year 2003

Title of qualification awarded Ph.D. in Biological Sciences

Principal subjects covered Ecology and diversity of beech forests in Bosnia-Herzegovina

Name and type of organization providing education and training

Year 1997

Title of qualification awarded M.Sc. in Biological Sciences



Senka Barudanović

Principal subjects covered

Name and type of organization
providing education and training

The relationship between habitus and habitat diversity of plant species

Faculty of Science, University of Sarajevo, Academic and research institution

Year 1984

Title of qualification awarded B.Sc. in Biological Sciences

Principal subjects covered Composition of Pancic spruce forests in Bosnia-Herzegovina

Name and type of organization providing education and training

Faculty of Science, University of Sarajevo, Academic and research institution

PERSONAL SKILLS

Mother tongue(s) Bosnian

3 ()

Common European Framework of Reference for Languages

Organisational / managerial skills

- team building (currently coordinating a team of 9 professionals and 57 voluntary authors of National ecosystem assessment)
- time management (respecting deadlines)

Job-related skills

- strong commitment to the use and integration of classical scientific and traditional knowledge in the development and implementation of sustainable policies (see publications)
- integrative thinking (currently developing a multidisciplinary approach to understanding the benefits of nature in BiH)
- skilled in quality control (mid-term evaluator of UN Environment/GEF project Achieving Biodiversity Conservation through Creation, Effective Management and Spatial Designation of Protected Areas and Capacity Building)

Computer skills

good command of Microsoft Office™ tools

Driving licence

B category

PROJECT EXPERIENCE OVER THE LAST 15 YEARS

Title of project National Ecosystem assessment: Supporting decision making and building capacity to support

IPBES through ecosystem assessment in Bosnia and Herzegovina (WCMC/IKI project)

Dates 2019 - present

Position held Project coordinator

Title of project Sixth national report of Bosnia-Herzegovina to the CBD (UN Environment/GEF project)

Dates 2018-2019



Senka Barudanović

Position held Biodiversity expert

Title of project Mid-term evaluation of UN Environment/GEF project Achieving Biodiversity Conservation through

Creation, Effective Management and Spatial Designation of Protected Areas and Capacity

Building

Dates 2018-2019

Position held National consultant for mid-term evaluation

Title of project Monitoring of biodiversity in PAs Skakavac and Vrelo Bosne (KS, BiH)

Dates 2015- 2017
Position held Project leader

Title of project Promotion of biodiversity and ecosystem services in Bosnia and Herzegovina (FMOIT, BiH)

Dates 2014 -2015

Position held Project coordinator

Title of project Mobilisation of knowledge on biodiversity in Federation Bosnia and Herzegovina (FMOIT, BiH)

Dates 2013- 2015
Position held Project leader

Title of project Support to the Implementation of the Birds and Habitats Directive in Bosnia and Herzegovina (EC

project)

Dates 2013- 2015

Position held Biodiversity expert

Title of project NBSAP revision and the Fifth national report (UNEP-GEF project)

Dates 2013- 2015

Position held Biodiversity expert

Title of project Mainstreaming Karst Peatlands Conservation Concerns into Key Economic Sectors (UNEP/GEF)

Dates 2010- 2011

Position held National consultant for mid-term evaluation

Title of project Dinaric Arc Ecoregion: Protected Areas for a Living Planet (WWF project)

Dates 2018- 2011
Position held Project leader

Title of project Fourth national Report of Bosnia-Herzegovina to the CBD (UNEP/GEF project)

Dates 2009

Position held Project leader



Senka Barudanović

Title of project Evaluation of karsts field ecosystems diversity in Federation of BiH as contribution to CBD' PoWs

in accordance to Targets 2010 (WB project)

Dates 2006 - 2007

Position held Biodiversity expert

Title of project National strategy and action plan for protection of biological and landscape diversity in BiH, the

First and Second report of Bosnia-Herzegovina to CBD (UNEP-GEF project)

Dates 2006- 2009

Position held Project coordinator

INTERNATIONAL ENGAGEMENT

Based on the nominations of the Federal Ministry of Environment and Tourism, as NFP for biodiversity in Bosnia and Herzegovina, official decisions on consent and support of the Faculty of Science, University of Sarajevo, Prof. dr. Senka Barudanović is engaged as a representative of Bosnia and Herzegovina in international (UN) bodies for biodiversity (CBD - Convention on Biological Diversity, IPBES - Intergovernmental Platform for Biodiversity and Ecosystem Services)

Membership in international bodies on biodiversity

- CBD SBSTTA 14 Bureau
- CBD SBSTTA 15 Bureau (Chair)
- CBD SBSTTA 16 Bureau (Chair)
- CBD COP 12 Bureau,
- CBD COP 13 Bureau
- IPBES Bureau of the 1st session of plenary
- · IPBES Bureau of the 2nd session of plenary
- IPBES 4 Bureau
- IPBES 5 Bureau
- IPBES 6 Bureau
- IPBES 7 Bureau
- CBD SBSTTA 22 Bureau
- CBD SBSTTA 23 Bureau
- CBD SBSTTA 24 Bureau
- CBD SBSTTA 25 (current)
 IPBES POLICY SUPPORT TASK FORCE
- IPSI Steering Committee

Attendance and active participation

- Conferences of CBD subsidiary bodies
- Conferences of CBD parties
- CBD Bureau meetings
- CBD global and regional workshops and preparatory meetings
- Two AHTEG meetings
- Sessions of IPBES plenary
- IPBES Bureau/MEP meetings
- IPSI SC and GA meetings

SCIENTIFIC PUBLICATIONS

https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=wG9kCG4AAAAJ

Monographs

- Barudanović, S., Mašić, E., Macanović, A. (2017). Peatbogs on Bosnian Mountains. Prirodno-matematički fakultet, 2017. pp 1-183.
 ISBN: 978-9958-592-92-8 COBISS.BH-ID: 24161030
- Barudanović, S., Macanović, A. Topalić-Trivunović, Lj. Cero, M. (2015): Ecosystems of Bosnia-Herzegovina in function of sustainable development. Faculty of Science, University of Sarajevo. Fojnica d.d. Fojnica



 Redžić, S., Barudanović, S., Radević, S. /ed./ (2008): Bosna-Herzegovina – Land of Diversity (Preview of biodiversity of Bosnia-Herzegovina), Federal Ministry of Environment and Tourism. Bemust, Sarajevo.

Books

- Barudanović, S., Zečić, E., Macanović, A., Duraković, B., Mašić, E. (2021): Invasive Alien Plant Species in Global Perspectives with Special References to Bosnia and Herzegovina, in Pullaiah T, Ielmini, M.R.: Invasive Alien Species: Observations and Issues from Around the World, 3, John Wiley & Sons, Ltd, p. 215-252
- Barudanović, S. (2018): Biodiversity of Bosnia-Herzegovina, in Pullaiah T.: Global Biodiversity, Vol. 2: Selected countries of Europe, Apple Academic Press, p. 1-23
- Barudanović, S., Mašić, E. (2015): Diversity and systematics of algae. University book. Faculty of Science, University of Sarajevo.
 Fojnica d.d. Fojnica.
- Redžić, S., Bašić, H., Barudanović, S. (2009): Ecological systems and models. University book, Grafika Šaran, Sarajevo.

Scientific papers

- Stupar, V., Avdibegović, M., Barudanović, S., Jurković, J., Kobajica, S., Mataruga, M., Bećirović Dz. (2022): Pressures upon nature in Bosnia and Herzegovina: Assessment of their status and trends by groups of ecosystems, Bulletin of the Faculty of forestry, University of Banja Luka, No.32, 33-58, DOI: https://doi.org/10.7251/GSF2232003S.
- Mašić, E., Barudanović, S., Pašanbegović, A., Zildžić, A.(2022): Morphological and ecological characteristics of diatom species
 Stauroneis neofossilis Lange-Bertalot & Metzeltin 1996 (Bacillariophyceae) from Bosnia and Herzegovina. Annals of the Institute of
 Biology University of Sarajevo, vol 44, 97-107, DOI: 10.35666/2831-0705.2022.44.97.
- Mašić, E., Zaova, D., Barudanović, S., Ognjanova-Rumenova, N., Levkov, Z. (2022): Rimocostatus bugojnicus gen.et. sp. nov. (Coscinodiscophyceae, Bacillariophyta) a new fossil diatom genus from Gračanica, Bugojno palaeolake in Bosnia and Herzegovina, Diatom Research 37(3):255-262, DOI: 10.1080/0269249X.2022.2130993.
- Macanović, A., Barudanović, S. (2021): Inventarizacija biljnih vrsta sa korisnim svojstvima na području Bosne i Hercegovine.
 Radovi Poljoprivredno-prehrambenog fakulteta, Univerziteta u Sarajevu, Vol. LXVII, 72/1, 28-46.
- Barudanović, S., Mašić, E., Macanović, A., Hatibović, E. (2021): Indication of the state of peatland ecosystems in Bosnia and Herzegovina, Works of the Faculty of Forestry, University of Sarajevo, Vol. 49 (2): 33-42, DOI 10.54652/RSF.2019.V49.I2.34.
- Vassilev, K., Pedashenko, H., Alexandrova, A., Tashev, A., Ganeva, A., Gavrilova, A., Macanović, A., Assenov, A., Vitkova, A., Genova, B., Grigorov, B., Gussev, C., Masic, E., Filipova, E., Gecheva, G., Aneva, I., Knolova, I., Nikolov, I., Georgiev, G., Gogushev, G., Tinchev, G., Minkov, I., Pachedzieva, K., Mincheva, K., Koev, K., Lyubenova, M., Dimitrov, M., Nazarov, M., Apostolova-Stoyanova, N., Nikolov, N., Velev, N., Zhelev, P., Glogov, P., Natcheva, R., Tzonev, R., Barudanović, S., Kostadinova, S., Boch, S., Hennekens, S., Georgiev, S., Stoyanov, S., Karakiev, T., Ilić, T., Kalníková, V., Shivarov, V., Vulchev, V. (2021): Balkan Vegetation Database (BVD) updated information and current status, Balkan Vegetation Database (BVD) updated information and current status, Vegetation Classification and Survey, vol. 1, 159 p.
- Mašić, E., Barudanović, S., Žero, S., Ramić, E., Macanović, A., Fejzić, S. (2020): New data on distribution of *Hydrurus foetidus* (Villars) Trevisan in freshwater habitats on Vranica Mountain (Bosnia and Herzegovina), Biologica Nyssana, 11 (2): 93-101.
- Mašić, E., Barudanović, S. (2020): Diversity and new records of species from genus *Eunotia* (Bacillariophyceae, Ochrophyta) in freshwater habitats on Vranica mountain (Bosnia and Herzegovina), Borziana, vol. 1: p. 15-33.
- Tomović, G., Sabovljević, M., Đokić, I., Petrović, P., Đorđević, V., Lazarević, P., Masić, E., Barudanović, S., Stefanut, S., Niketić, M., Butorac, B., Pantović, J., Hajrudinović-Bogunić, A., Bogunić, F., Kabas, E., Vukojicić, S., Kuzmanović, N., Đurović, S. Z., Buzurović, U. (2020): New records and noteworthy data of plants, algae and fungi in SE Europe and adjacent regions, 2, Botanica Serbica, 44 (2): 251-259.
- Barudanović, S., Mašić, E., Macanović, A., Hatibović, E. (2019): Indikacija stanja ekosistema tresetišta u Bosni i Hercegovini, Radovi Šumarskog fakulteta Univerziteta u Sarajevu, 49 (2).
- Barudanović, S., Zečić, E., Mašić, E. (2019): Different Types of Pollination Agents and Invasive Plants Phenology as a Vector af Invasiveness. Advances in Biology & Earth Sciences Vol.4, No.1, 2019, pp.12-25.
- Mašić, E., Barudanović, S., Žero, S., Ramić, E., Macanović, A. (2019): Diversity of diatoms in freshwater oligotrophic habitat types on Vranica Mountain (Bosnia and Herzegovina), European Journal of Phycology, 54, 128 p.
- Mašić, E., Barudanović, S. Žero, S., Ramić, E., Macanović, A., Boškailo, A. (2018): Conservation of Freshwater Oligotrophic Habitats on Vranica Mountain and Establishment of Long-Term Monitoring of Biodiversity. International Rufford Small Grants



Conference, Explore and protect the natural beauty of Balkans from 27th to 28th September, 2018 at Silver Lake in Serbia. DOI: 10.13140/RG.2.2.30622.59207.

- Mašić, E., Žero, S., Barudanović, S., Memić, M. (2018). Effect of heavy metals on phytobenthos assemblages in mine pit lakes of Bosnia and Herzegovina, Biologica Nyssana. 9. 10.5281/zenodo.2538602.
- Barudanović, S., Mašić, E., Cero, M. (2017): Comparision of cyanobacteria and algae assemblages in mine pit lakes of different origin in Bosnia and Herzegovina, Herald of the National Museum of Bosnia and Herzegovina, Natural sciences, 37, p. 59-74.
- Kamberović, J., Kralj Borojević, K., Razić, A., Barudanović, S. (2017): Epipelic diatom communities in the Šerićka Bara marsh (northeast Bosnia and Herzegovina). Nat. Croat., Vol. 26, No. 1., 17–32, Zagreb.
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- Ademović, E., Barudanović, S., Đug, S., Selimić, A., Imamović, M., Avdibašić, A., Podrug, A., Boškailo, A., Mašić, E. (2016): Invasive Flora in the Wider Area of the Town of Stolac (Bosnia and Herzegovina). Proceedings of 2nd Croatian Symposium on Invasive Species, Zagreb
- Kurtagić, H., Memić, M., Barudanović, S. (2016): Determination of type of honey produced in the different climatic regions of Bosnia and Herzegovina. International Journal of Environmental Science and Technology. 13. 10.1007/s13762-016-1101-5.
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- Kurtagić, H., Barudanović, S., Durmić, V. (2015): Determination of Rutin, Quercetin, Naringenin and Hesperetin in the Honey from Bosnia and Herzegovina (BiH) in Relation to the Composition of Pollen. Journal of Environmental Science and Engineering A. 4. 10.17265/2162-5298/2015.12.001.
- Kamberović, J., Barudanović, S., Mašić, E., Dedić, A. (2014): Marshland vegetation of the order Phragmitetalia on shores of mine pit lakes in north-eastern Bosnia and Herzegovina. Biologica Nyssana, 5 (1), p. 1-10.
- Barudanović, S., Mašić, E. (2013): State of the mine-pit lakes in the wider area of Zenica-Doboj region. Proceedings of the 24th International Scientific-Expert-Conference of Agriculture and Food Industry, Sarajevo, Bosnia and Herzegovina, p. 550-555.
- Kamberović, J., Barudanović, S., Lonić, E., Ferizbegović, J. (2013): Biomonitoring of the Šićki Brod pit lake in the function of conservation of wetland biodiversity. Zbornik radova I, Šesti međunarodni kongres "Ekologija, zdravlje, rad, sport". BanjaLuka p. 537-544.
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- Barudanović, S. (2012): Achievements of 2010 International year of Biodiversity. Proceedings of the Second International Colloqium on Biodiversity - Theoretical and Practical Aspects, Academy of sciences and Arts of Bosnia-Herzegovina, Special Editions, Vol. 22, pp 333-347.
- Barudanović, S., Mašić, E. (2012): Diversity of Habitats from Annex I of habitats Directive in the Area Ribnica Near Kakanj.
 Proceedings of second international Colloqium Biodiversity Theoretical and Practical Aspects, Academy of Sciences and Arts of Bosnia-Herzegovina, Special Editions, Vol. 22, pp 122-141.
- Barudanović, S., Redžić, S. (2012): Two Communities of Tall-Herb Vegetation on Mt. Vranica in Central Bosnia, Herald of the National Museum of Bosnia and Herzegovina, vol 33., pp 47-62.
- Kamberović, J., Barudanović, S. (2012): Algae and macrophytes of mine pit lakes in the wider area of Tuzla, Bosnia and Herzegovina. Natura Croatica, 21 (1):101-118.
- Barudanović, S. (2011): The Black Alder Communities on the Vranica Mountain in Bosnia-Herzegovina, Bulletin of the Republic institution for the protection of nature in Podgorica, 31-32, pp 47-61.
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- Barudanović, S., Kamberović, J. (2008): Tourism and Environment Potentials of Bosnia and Herzegovina Restoration of Abandoned Surface Mining Pits. Proceeding of International conference Protected areas in sustainable Development. Bihać, Fram Ziral, 497 – 507
- Barudanović, S., Škrijelj, R., Mujkić, A., Trožić-Borovac, S. (2008): Implementation of the Bologna Process in the Study of Biology: Current Issues and Dilemmas, Counseling: High Education Reform and Application of the Bologna Process at the University of Sarajevo, Savjetovanje: Reforma visokog obrazovanja i primjena Bolonjskog procesa na Univerzitetu u Sarajevu, Proceedings, 451-463.
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 Conference proceedings of 5th International Conference on Geographic Information System, Istambul, Turska.
- Barudanović, S., Redžić, S., Bulić, Z., Hadžiablahović, S. (2007): Phytogeographical, ecological and syntaxonomical position of alliance Jasionion orbiculatae Lakušić 1964. Bulletin of the Republic institution for the protection of nature in Podgorica, 29-30, Podgorica, pp 105-123.
- Barudanović, S., Redžić, S. (2006): Forest ecosystems of Mountain Vranica with priority on programmes of conservation. Scientific
 conference: «Management of forest ecosystems in national parks an other protected areas». Proceedings, Jahorina-NP Sutjeska,
 pp 87-93.
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RELEVANT TECHNICAL REPORTS

- First national Report of Bosnia and Herzegovina for the Convention on biological Diversity http://www.bih-chm-cbd.ba/materijali/Relevant%20documents/1stNR.pdf
- Second to the Fifth National Report of BiH to the CBD; http://www.bih-chm-cbd.ba
- Sixth National Report of Bosnia and Herzegovina to the CBD https://chm.cbd.int/pdf/documents/nationalReport6/246864/1
- Methodological guidance for assessing policy instruments and facilitating the use of policy support tools and methodologies through IPBES assessments, Information Document IPBES/7/INF/13 for the 7th session of the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Paris, France.