НАУЧНОМ ВЕЋУ
ИНСТИТУТА ЗА МУЛТИДИСЦИПЛИНАРНА ИСТРАЖАВАЊА
БЕОГРАД

Одлуком Научног већа Института за мултидисциплинарна истраживања, донетој на четвртој седници одржаној 19. марта 2018. године именовали смо чланове Комисије за оцену научноистраживачког рада **др Стефана Скорића**, научног сарадника запосленог у Одсеку за биологију и заштиту копнених вода Института за мултидисциплинарна истраживања, као и за утврђивање испуњености услова за његов избор у звање **виши научни сарадник**. На основу анализе рада кандидата подносимо Научном већу следећи:

И З В Е Ш Т А Ј

1. БИОГРАФСКИ ПОДАЦИ

Биографија

Др Стефан Б. Скорић рођен је 03. априла 1978. године у Ваљеву. Основну и средњу школу завршио је у Ваљеву. Дипломирао је 2002. године на Биолошком факултету Универзитета у Београду, смер Екологија и заштита животне средине. На Биолошком факултету Универзитета у Београду, школске 2006/2007. године уписао је докторске студије на студијском програму Екологија, биогеографија и заштита биодиверзитета, модул Хидроекологија. Докторску дисертацију под називом "Популациона динамика, исхрана и екотоксикологија великог корморана *Phalacrocorax carbo* (Linnaeus, 1758) на Царској бари" одбранио је 10.12.2013. године.

Од 2003. до 2005. године био је запослен у Одељењу за екологију Института за биолошка истраживања „Синиша Станковић“ Универзитета у Београду. Од 2006. године запослен је у Институту за мултидисциплинарне истраживања, Универзитета у Београду, на Одсеку за биологију и заштиту копнених вода.

Члан је Српског биолошко друштва.

До сада је био учесник на пет националних и шест међународних пројекта. Аутор је и коаутор 34 публикације у националним и међународним часописима и учесник на 41 саопштењу презентованом на научним конгресима у земљи и иностранству.

2. БИБЛИОГРАФИЈА

2.1. Библиографија до избора у звање научни сарадник

2.1.1. Радови у врхунском међународном часопису (М21)

1. Višnjić-Jeftić, Ž., Jarić, I., Jovanović, Lj., **Skorić, S.**, Smederevac-Lalić, M., Nikčević, M., Lenhardt, M. (2010). Heavy metal and trace element accumulation in muscle, liver and gills of the Pontic shad (*Alosa immaculata* Bennet 1835) from the Danube River (Serbia). Microchemical Journal 95: 341-344. **M21; IF: 3.048; број хетероцитата: 57**

2.Jaric, I., Višnjić Jeftić, Ž., Cvijanović,G., Gačić, Z., Jovanović,Lj., **Skorić,S.**, Lenhardt, M. (2011).Determination of differential heavy metal and trace element accumulation in liver, gills, intestine and muscle of sterlet (Acipenser ruthenus) from the Danube River in Serbia by ICP-OES. MICROCHEMICAL JOURNALvol. 98 (1) 77-81.**M21; IF: 3.048; број хетероцитата: 87**

3. **Skoric, S.**, Visnjić-Jeftic, Z., Jaric, I., Djikanovic, V., Mickovic, B., Nikcevic, M., Lenhardt, M. (2012) Accumulation of 20 elements in great cormorant (*Phalacrocorax carbo*) and its main prey, carp (*Cyprinus carpio*) and Prussian carp (*Carassius gibelio*). Ecotoxicology and Environmental Safety 80: 244-251. **M21; IF: 2.294; број хетероцитата: 20**

4. Langguth, T., Honnen, A-C., Hailer, F., Mizera, T., **Skorić, S.**, Vali, U., Zachos, F. (2013). Genetic structure and phylogeography of a European flagship species, the white-tailed sea eagle *Haliaeetus albicilla.* Journal of avian biology 44 (3): 263-271. **M21; IF: 2.280; број хетероцитата: 9**

2.1.1. Радови у истакнутим међународним часописима (М22)

5. Lenhardt, M., Jaric, I., Visnjic-Jeftic, Z., **Skoric, S.**, Gacic, Z.,Pucar, M.,Hegedis, A. (2012). Concentrations of 17 elements in muscle, gills, liver and gonads of five economically important fish species from the Danube River. Knowledge and management of aquatic ecosystem 407: 02p1-02p10. **M22; IF: 1.520; број хетероцитата:13**

6. Smederevac-Lalic, M., Jaric, I.,Visnjic-Jeftic, Z., **Skoric, S.**, Cvijanovic, G., Gacic, Z., Lenhardt, M. (2012). Management approaches and aquaculture of sturgeons in the Lower Danube region countries. Journal of applied ichthyology 28 (3), 488-488. **M23; IF:1.121; број хетероцитата: 8**

2.1.2. Радови објављени у међународним часописима (М23)

7. **Skoric, S.**, Cvijanovic, G., Kohlmann, K., Hegedis, A., Jaric, I., Lenhardt, M. (2013): First record of a hybrid striped bass (*Morone saxatilis* x *Morone chrysops*) in the Danube River. Journal of applied ichthyology 29 (3): 668-670.**M22; IF: 0.945; број хетероцитата: 2.**

8. Marinkovic, S., Orlandic, L., Skoric, S., Karadzic B. (2012). Nest-Site Preference of Griffon Vulture (*Gyps fulvus*) in Herzegovina. Archives of biological science 64 (1), 385-392. **M23; IF:0.791; број хетероцитата: 3.**

9. **Skoric, S.**, Raskovic, B., Poleksic, V., Gacic, Z., Lenhardt, M. (2012). Scoring of the extent and intensity of carp (Cyprinus Carpio) skin changes made by cormorants (Phalacrocorax carbo sinensis): relationship between morphometric and histological indices.Aquaculture international 20 (3), 525-535. **M23; IF:1.037; број хетероцитата: 2.**

10. Jakovcev-Todorovic, D., Djikanovic, V.,**Skoric, S.**, Cakic, P. (2010). Freshwater Jellyfish Craspedacusta Sowerbyi Lankester, 1880 (Hydrozoa, Olindiidae)-50 Years' Observations In Serbia. Archives of biological science 62 (1), 123-127. **M23; IF: 0.356; број хетероцитата: 8.**

11. Marinkovic, S., **Skoric, S.**, Popovic, Z., Nikcevic, M. (2008). Research on long-term colonization of goosander (Mergus merganser Linneaus, 1758) with reference to habitat availability. Archives of biological science 60 (3), 501-506. **M23; IF: 0,356; број хетероцитата: 3.**

12. Skoric, S., Stefanovic, K., Marinkovic, S. (2007). Contribution to studies on white-tailed eagle (*Haliaeetus albicilla* Linnaeus, 1758) in Western Serbia and the Republic of Srpska. Archives of biological science 59 (1), 5P-6P. **M23; IF: 0,238; број хетероцитата: 1**

2.1.3. Рад у водећем часопис националног значаја (М51)

13. **Skorić S.**, Mićković B., RegnerS., Višnjić Jeftić Ž., Hegediš A. (2010). The use of hopper barges as facilities for aquaculture: The growth characteristics of Carp (*Cyprinus carpio*) depending on stocking density. Journal of Agricultural Science. 55(2), 147-155.

2.1.4. Рад у часопису националног значаја (М52)

14. RegnerS., Mićković M., **Skorić S.**, Višnjić Jeftić Ž. and Hegediš A. (2010). The possibility of Using river hopper barges as aquaculture facilities. Acta Agriculturae Serbica. 15(30), 107-115.

2.1.5. Рад у научном часопису (М53)

15. Smederevac-Lalić M., Višnjić-Jeftić Ž., Pucar M., Mićković B., **Skorić S.**, Nikčević M., Hegediš A. (2011) Fishing circumstances on the Danube in Serbia. Water Research and Management 1(4): 44-48.

2.1.6. Саопштење са међународног скупа штампано у целини (М33):

16. **Skorić S.**,VišnjićJeftićŽ., Hegediš A., Gačić Z., Đikanović V., Poleksić V., Rašković B. and Lenhardt M. (2008). Diet of Great cormorant (*Phalacrocorax carbo* L.)at Special Reserve of Nation "Stari Begej-Carska Bara" in northern Serbia. Symposium on Interactions Between Social, Economic and Ecological Objectives of Inland Commercial, Recreational Fisheries and Aquaculture. 21-24 May. Antalya, Turkey.

17. Ham I., **Skorić S.** & Tucakov M. (2009): Status and breeding biology of the White tailed Eagle *Haliaeetus albicilla* in former Yugoslavia and in Serbia. Denisia 27: 127-138.

18. **Skorić, S.**, Mićković, B., Višnjić-Jeftić, Ž., Hegediš, A., Regner, S. (2011). Further contribution related to identification of condition for the use of river hopper barges as aquaculture facilities. V International Conference „Water & Fish", June, 14-16.2013. Serbia, Belgrade, Coference Proceedings: 148-154.

19. Mićković, B., Nikčević, M., Hegediđ, A., Lenhardt, M., Pucar, M., **Skorić, S.** (2011). Preliminary results on successful stocking of pikeperch (Sander lucioperca L.) in the Zlatar reservoir.V International Conference „Water & Fish", June, 14-16.2013. Serbia, Belgrade, Coference Proceedings: 216-224.

20. Subotić, S., Spasić, S., VišnjićJeftić, Ž., **Skorić, S.**, Hegediš, A., Krpo-Ćetković, J., Gačić, Z., Lenhardt, M. (2012). Heavy metal accumulation in tissues of pikeperch (*Sander lucioperca*), European catfish (*Silurus glanis*) and common carp (*Cyprinus carpio*) from the Danube River. 39th IAD Conference, Proceedings, 21-24 August, 2012 Szentendre, Hungary, p. 53-62.

21. Spasić S., Smederevac-Lalić M., PucarM., Jarić I.,Mićković B., **Skorić S.**, Višnjić-Jeftić Ž. and Hegediš A. (2013). Importance of the quality of catch statistic data for the sustainable use of fish resources in Serbia. Proceedings of the 12th International Scientific Conference "Sinergija", March 29, Bijeljina, Bosnia and Herzegovina, 697-702.

22. Spasić S., Višnjić-Jeftić Ž., Smederevac-Lalić M., Pucar M., Jarić I., Mićković B., **Skorić S.** and Lenhardt M. (2013). Meat quality of commercial fish species in the Danube from the aspect of heavy metal presence. Proceedings of the 12th International Scientific Conference "Sinergija", March 29, Bijeljina, Bosnia and Herzegovina, 703-707.

23. **Skorić, S.**, Đikanović, V., Marković, G. i Hegediš, A. (2013). Concentrations of 16 elements in tissues (liver, muscle, scales) of Prussian carp (*Carassius gibelio*, Bloch, 1782) in Medjuvršje reservoir, sesonal aspect. VI International Conference „Water & Fish", June, 12-14.2013. Serbia, Belgrade, Coference Proceedings: 288-294.

24. **Skorić S.**, Smederevac-Lalić M., Višnjić-Jeftić Ž, Hegediš A., Mićković B. (2013). Relationships of otolith size to total length of the burbot (*Lota lota)* from the Danube River. Proceedings of the IV international conference ''Water and Fish'', June, 12-14. Belgrade, Serbia, 158-163.

25. Đikanović, V., **Skorić, S.**, Cakić, P. (2013). Representatives of tapeworms (Cestoda) of fishes in Belgrade section of the Danube river. VI international conference „Water & Fish", june 12-14, Faculty of Agriculture, Belgrade-Zemun, Serbia, Conference Proceedings: 402-408.

2.1.7. Саопштење са међународног скупа штампано у изводу (М34):

26. **Skorić S.**, Novčić I. (2004): Ornitofauna ribnjaka Mala Vrbica. Prvisimpozijum ekologa Republike Crne Gore sa međunarodnim učešćem, Tivat, Oktobar14.-18., Abstrakt

27. Novčić I., **Skorić S.** (2005): Protection of Whiskered tern *Chlidonias hybridus* on fishpond Mala Vrbica. Final Conference „Migration in the life-histori of birds",Vilhelmshaven, Deuchland, February 16.-20. Abstract

28. Višnjić-Jeftić Ž., Vukov T., Hegediš A., **Skorić S.**, Gačić Z. and Lenhardt M. (2007). Geometrical morphometry characteristics of Pontic shad (*Alosa pontica*) in the lower Danube region. XII European congress of ichthyology. 9-13 Septembar. Dubrovnik, Croatia, Book of Abstracts: 84.

29. **Skorić, S.**, Hegediš, A., Gačić, Z., Mićković, B., Nikčević, M. & Lenhardt M. (2007). The food of Great Cormorant (*Phalacrocorax carbo* L.) during nesting season in one of the largest colonies in Serbia. XII European Congress of Ichthyology, Cavtat, Croatia, Book of Abstracts: 85.

30. Lenhardt M., Navodaru I., Vassilev M., Višnjić-Jeftić Ž., **Skorić S.**, Smederevac-Lalić M. (2009) Status of Pontic shad (*Alosa immaculata* Bennett 1835) in Lower Danube Region. In: Book of Abstracts, International Workshop on the Restoration of Fish Populations, September 1-5, 2009, Düsseldorf, Germany, p. 36.

31. Smederevac-Lalić M., Jarić I., Višnjić-Jeftić Ž., **Skorić S.,** Cvijanović G., Gačić Z., Lenhardt M. (2009) Status of sturgeon populations in Lower Danube Region and possibilities for their better investigation and protection. In: Book of Abstracts, International Workshop on the Restoration of Fish Populations, September 1-5, 2009, Düsseldorf, Germany, p. 70.

32. Smederevac-Lalić M., Regner S., Hegediš A., Kalauzi A., Višnjić-Jeftić Ž., **Skorić S.**, Lenhardt M. (2011) Socio-economic and biological aspects of the Danube commercial fisheries in Serbia. In: Abstracts book, International Conference on the Status and Future of the World's Large Rivers, April 11-14, 2011, Vienna, Austria, p. 395.

33. Đikanović, V., Nikolić, V., **Skorić, S.**, Cakić, P. (2011). Alochtonous fish parasitofauna in Serbian open water. In: Abstract book, 15. EAFP International conference on diseases of fish and shellfish, September 12-16, 2011. Split, p. 240.

34. Simonović, P., Krizmanić, I., Nikolić, V., Miličić, D., Delić, J., **Skorić, S.**, Tošić, A., Škraba, D. (2011). Influence of invasive alien fish species in declared natural fish spawning site "Labudovo okno" (Danube river, Republic of Serbia). Proceeding of the 3th Aquatic Biodiversity International Conference, Sibiu, Romania, p. 100.

2.1.8. Саопштење са националног скупа штампано у целини (М63):

35. **Skorić S.**, Mićković B., Hegediš A., Višnjić Jeftić Ž., Regner S. (2011). PotencijalniuticajnakvalitetvodeDunavaupotrebomrečnihbaržikaoribnjačkogobjekta: uporedna analiza uzgojne i vode Dunava. 40. konferencija o aktuelnim problemima korišćenja i zaštite voda "Water 2011". 7-9 Jun, Zlatibor, Srbija.137-142.

36. Višnjić-Jeftić Ž., Smederevac-Lalić M., Pucar M., **Skorić, S.**, Đikanović V., Hegediš A. (2012) An overview of the pollution with heavy metals and trace elements in sterlet (*Acipenser ruthenus*), black sea shad (*Alosa immaculata*) and barbel (*Barbus barbus*) from the Danube in Serbia. In: Proceedings, 42. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2013", Divčibare, 5-7 jun 2012. Zbornik radova: 63-68.

37. Sunjog, K., Kolarević, S., Gačić, Z., Hegediš, A., Pucar, M., **Skorić, S.**, Kračun, M., Knežević-Vukčević, J., Lenhardt, M., Vukojević-Gačić, B. (2012). Procena genotoksičnosti reke Gradac na ribama (*Salmo trutta, Barbus meridionalis*) komet testom. 42. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2013", Divčibare, 5-7 jun 2012. Zbornik radova: 81-86.

38. **Skorić, S.**, Đikanović, V., Krpo-Ćetković, J., Hegediš, A. (2012). Makrozoobentos i ishrana potočne pastrmke (*Salmo trutta* L. 1758) na području predela izuzetnih odlika "Klisura reke Gradac" u jesenjem periodu. 42. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2013", Divčibare, 5-7 jun 2012. Zbornik radova: 87-92.

39. Đikanović, V., Skorić, S., Cvijanović, G., Smederevac-Lalić, M., Višnjić-Jeftić, Ž., Pucar M., Hegediš A. (2013) Karakteristike ribolovnog resursa u vodama na teritoriji Beograda. 42. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2013", Perućac, 4. - 6. jun 2013. Zbornik radova: 45-52.

40. Đikanović, V., Skorić, S., Marković, G. (2013). Koncentracija teških metala u mišićnom tkivu 10 vrsta riba akumulacije Međuvršje. 42. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2013", Perućac, 4. - 6. jun 2013. Zbornik radova: 167-172.

2.1.9. Одбрањена докторска дисертација (М71)

41. **Скорић, С.** (2013). Популациона динамика, исхрана и екотоксикологија великог корморана *Phalacrocorax carbo* (Linnaeus, 1758) на Царској бари. Биолошки факултет, Универзитет у Београду, Београд.

2.2. Библиографија од избора у звање научни сарадник

2.2.1. Рад у међународном часопису изузетне вредности (М21а)

42. Sunjog, K., Kolarevic, S., Kracun-Kolarevic, M., Visnjic-Jeftic, Z., **Skoric, S.**, Gacic, Z., Lenhardt, M., Vasic, N. & Vukovic-Gacic, B. (2016) Assessment of status of three water bodies in Serbia based on tissue metal and metalloid concentration (ICP-OES) and genotoxicity (comet assay). ENVIRONMENTAL POLLUTION, 213, 600-607. **M21a: 7.14; IF: 5.099; број хетероцитата: 5**

43. Djikanovic, V., **Skoric, S.**, Jaric, I. & Lenhardt, M. (2016). Age-specific metal and accumulation patterns in different tissues of nase (Chodrostoma nasus) from the Medjuvrsje Reservoir. SCIENCE OF THE TOTAL ENVIRONMENT, 566, 185-190. **M21a: 10; IF: 4.900; број хетероцитата:1**

2.2.2 Рад у врхунском међународном часопису (М21)

44. Rašković B., Poleksić V.,Višnjić –Jeftić Z., **Skorić S.**, Gačić Z., Djikanović V., Jarić I., Lenhardt M. (2015). Use of Histopathology and Elemental Accumulation in Different Organs of Two Benthophagous Fish Species as Indicators of River Pollution. Environmental Toxicology 30 (10), 1153-1161. **M21: 6.66; IF: 3.197; број хетероцитата: 6**

45. Jovičić K., Nikolić M.D., Višnjić – Jeftić Ž., Đikanović V., **Skorić S.,** Stefanović M.S., Lenhardt M., Hegediš A., Krpo – Ćetković J., Jarić I. (2015). Mapping differential elemental accumulation in fish tissues: assessment of metal and trace element concentrations in wels catfish (*Silurus glanis*) from the Danube River by ICP-MS. Environmental Science and Pollution Research,22.5 : 3820-3827. **M21:5; IF: 2.828; број хетероцитата: 10**

46. Rašković, B., Poleksić, V., **Skorić, S.**, Jovičić, K., Spasić, S., Hegediš, A., Vasić, N. & Lenhardt, M. (2018). Effects of mine tailing and mixed contamination on metals, trace elements accumulation and histopathology of the chub (*Squalius cephalus*) tissues: Evidence from three differently contaminated sites in Serbia. Ecotoxicology and Environmental Safety, 153: 238-247. **M21: 6.66; IF:3.743; број хетероцитата: 0**

2.2.3 Рад у истакнутом међународном часопису (М22)

47. Subotic S., Spasic S., Visnjic-Jeftic Z., Hegedis A., Krpo-Cetkovic J., Mickovic B., **Skoric S.**& Lenhardt M. (2013). Heavy metal and trace element bioaccumulation in target tissues of four edible fish species from the Danube River (Serbia). Ecotoxicology and Environmental Safety 98, 196-202. **M22: 4.16; IF: 2.482; број хетероцитата: 39**

48. Hribšek, I., Jovičić, K., Karadžić, B. & **Skorić. S.** (2017). Allocation of metals and trace elements in different tissues of piscivorous species *Phalacrocorax carbo.* Archives of Environmental Contamination and Toxicology. 73 (4), 533-541. **M22:5; IF: 2.467; број хетероцитата: 0**

49. Sunjog K., Kolarević S., Kračun-Kolarević M., Gačić Z., **Skorić S.**, Đikanović V., Lenhardt M. & Vuković-Gačić, B. (2014). Variability in DNA damage of chub (*Squalius cephalus* L.) blood, gill and liver cells during the annual cycle. Environmental Toxicology and Pharmacology37 (3), 967-974. **M22:4.16; IF: 2.205; број хетероцитата: 10**

50. Višnjić-Jeftić Ž. , Lenhardt M., , Vukov T., Gačić Z., **Skorić S.**, Smederevac-Lalić M., Nikčević M. (2013). The geometric morphometrics and condition of Pontic shad (*Alosaimmaculata*) migrants to the Danube River. Journal of Natural History, 47 (15-16), 1121-1128. **M22:5; IF: 0.953; број хетероцитата: 1**

51. Djikanović V., **Skorić S.**, Lenhardt M., Smederevac-Lalić M., Visnjić-Jeftić Z., Spasić S., Mićković B. (2015) Review of sterlet (*Acipenser ruthenus* L. 1758) (Actinopterygii: Acipenseridae) feeding habits in the River Danube, 1694-852 river km. Journal of Natural History,49(5-8), 411-417. **M22:5; IF: 1.010; број хетероцитата: 2**

2.2.4 Рад у међународном часопису (М23)

52. Djikanović V., Marković G., **Skorić S.**, (2013). New record of Neogobius fluviatilis (Pallas, 1814) (Gobidae) in the Danube river basin (Serbia). Archives of biological science 65 (4), 1469-1472. **M23:3; IF:0.791; број хетероцитата: 1**

53. Jovicic K., Lenhardt M., Visnjic-Jeftic Z., Djikanovic V., **Skoric S.**, Smederevac-Lalic, M., Jacimovic M., Gacic Z., Jaric I. & Hegedis A. (2014). Assessment of fish stocks and elemental pollution in the Danube, Sava and Kolubara rivers on the territory of the city of Belgrade, Serbia. Acta Zoologica Bulgarica, Suppl. 7, 179-184.**M23:1.875; IF: 0.413; број хетероцитата: 6**

54. Smederevac-Lalić M., **Skorić S.**, Visnjić-Jeftić Ž., Djikanović V. & Mićković B. (2015) Growth and weight-length relationship of burbot Lota lota (L.) (Lotidae) in the Danube River at Backa Palanka (Serbia). Acta zoological Bulgarica, 67 (1), 97-103. **M23:3; IF: 1.010; број хетероцитата: 0**

55. Djikanović, V., **Skorić, S.** & Gačić, Z. (2016) Concentration of metals and trace elements in diferent tissue of nine fish species from Medjuvrsje reservoir (West Morava river basin, Serbia). Archives of biological science, 68 (4), 811-819. **M23:3; IF: 0.718; број хетероцитата: 1**

56. Jovicić, K., Janković, S., Višnjić-Jeftić, Ž., **Skorić, S.**, Djikanović, V., Lenhardt, M., Hegediš, A., Krpo-Ćetković, J. & Jarić, I. (2016). Mapping differential elemental accumulation in fish tissue: importance of fish tissue sampling standardization. Archives of biological science, 68 (2), 303-309. **M23: 2.14; IF: 0.718; број хетероцитата: 0**

57. Nikčević, M., **Skorić, S.**, Cvijanović, G., Hegediš, A. & Mićković, B. (2016). First record of smoltified rainbrow trout *Oncorhyncus mykiss* (Walbaum, 1972), in the main riverbed of Serbian part of the Danube river. Journal of applied ichthyology, 32 (6), 1235-1236. **M23:3; IF: 0.867; број хетероцитата:0**

58. **Skorić, S.**, Mićković, B., Nikolić, D., Hegediš A. & Cvijanović, G. (2017). A Weight-length relationship of the Amur Sleeper (*Perccottus glenii* Dybowski, 1877) (Odontobutidae) in the Danube River drainage canal, Serbia. Acta zoologica Bulgarica,Suppl. 9, 2017: 155-159. **M23:3; IF: 0.413; број хетероцитата: 1**

59. Lenhardt, M., Pekarik, L., **Skorić, S.**, Smederevac-Lalić, M., Hegediš, A., Jaćimović, M. & Djikanović, V. (2017). Influence of the twilight period and different sampling methods on catch of Gobiids (Gobiidae) at four locations in the inshore parts of the Danube river. Acta zoologica Bulgarica,Suppl. 9, 2017: 225-229. **M23:3; IF: 0.413; број хетероцитата: 1**

2.2.5 Рад у врхунском часописунационалног змачаја (М51)

60. Višnjić-Jeftić, Ž., Gačić, Z., Skorić, S., Smederevac-Lalić, M., Đikanović, V. & Mićković, B. (2014). Population Structure of Burbot (Lota Lota L.) in the Danube, Water Research and Management, Journal of Serbian Water Pollution Control Society, 4, 2, pp. 43 - 47, 2217-5237, 2014. **M51:2**

2.2.6 Саопштење са међународног скупа штампано у целини(М33):

61. Kostić, D., Smederevac-Lalić, M., **Skorić, S.**, Lenhardt, M., Naunović, Z. & Hegediš, A. (2015). Recent advances in water quality monitoring in aquaculture, 7th International Conference "Water & Fish"- Conference proceedings, Faculty of Agriculture, Belgrade, pp. 323 - 327, 978-86-7834-224-0, Srbija, 10. - 12. Jun, 2015.**M33:1**

62. **Skorić, S.**, Višnjić-Jeftić, Ž., Smederevac-Lalić, M., Jovičić, K. & Hegediš, A. (2015). Elements concentrations in tissue of chub (Squalius cephalus) from reservoirs of National Park "Tara", 7th International Conference "WATER & FISH"- Conference proceedings, Poljoprivredni fakultet, pp. 472 - 479, 978-86-7834-224-0, Srbija, 10. - 12. Jun, 2015.**M33:1**

63. Jovičić, K., Višnjić-Jeftić,Ž., **Skorić, S.**, Smederevac-Lalić, M., Nikolić, D., Đikanović, V., Jarić, I., Lenhardt, M., Hegedis, A.(2015). Assessment of the metal and trace element contents in tissues of four commercial fish species from the Danube River, Belgrade, 7th International Conference "WATER & FISH" – Conference proceedings, Univerzitet u Beogradu, Poljoprivredni fakultet, pp. 94 - 100, 978-86-7834-224-0,Srbija, 10. - 12. Jun, 2015. **M33:0.71**

64. Đikanović, V., **Skorić, S.**, Gačić, Z., Lenhardt, M., (2015). Barbel (Barbus barbus Linnaeus, 1758) endoparasite fauna and diet in the Belgrade section of the Danube River (Serbia), 7 th International Conference "WATER & FISH"-Conference proceedings, Faculty of Agriculture, Belgrade, Faculty of Agriculture, University of Belgrade, pp. 231 - 238, 978-86-7834-224-0, Srbija, 10. - 12. Jun, 2015. **M33:1**

65. Višnjić-Jeftić, Ž., Gačić, Z., Đikanović, V., Jarić, I., Jovičić, K., Lenhardt, M., Mićković, B., Nikčević, M., Jaćimović, M., Skorić, S., Smederevac-Lalić, M., Hegediš, A. & Cvijanović, G. (2015). Restoration of longitudinal connectivity of the Danube River by the construction of free passages for migratory fish species at the Iron Gates dams, International conference on river connectivity best practices and innovations "Fish Passage 2015", University of Wisconsin - Madison,Oregon State University,University of Massachusetts Amherst, pp. 137 - 138, Holandija, 20. - 25. Jun, 2015. **M33:0.45**

2.2.7 Саопштење са међународног скупа штампано у изводу (M34):

66. Lenhardt, M., Jarić, I., Skorić, S., Smederevac-Lalić, M., Cvijanović, G., Đikanović, V., Višnjić-Jeftić, Ž.,Hegediš, A., Mićković, B., Nikčević, Jovičić, K., Jaćimović, M. & Gačić, Z. (2014). Different possibilities for tracking sturgeon migration and habitat mapping in the Danube River., FITFISH (International Congress on the Biology of Fish), Heriot-Watt University, Edinburgh, 11, pp. 142 - 143, Schotland, 3. - 7. Aug, 2014. **M34: 0.23**

67. Lenhardt, M., Suću, R., Hout, S., Parashiv, M., Jani, M., Smederevac-Lalić, M., **Skorić, S.**, Cvijanović, G., Mićković, B. & Nikčević, M. (2016). Restoration of fish migration barrier – The Iron Gate hydropower dams between Romania and Serbia, FITFISH ANNUAL CONFERENCE, Institute for Multidisciplinary Research University of Belgrade, pp. 48 - 48, 22. - 22. Apr, Belgrade, Serbia, 2016. **M34: 0.31**

68. Lenhardt, M., Pekarik, L., Spasić, S.,**Skorić, S.**, Smederevac-Lalić, M., Hegediš, A., Jaćimović, M. & Đikanović, V. (2016). The influence of diel period on fish assemblage surveys by electro-fishing and beach seining at three locations in the inshore part of the Danube River., The 41st International Association for Danube Research (IAD) Conference, "Lucian Blaga" University of Sibiu, pp. 6 - 6, ISBN 978-606-12-1303-0, Romania, 13. - 16. Sep, 2016. **M34: 0.42**

69. **Skorić, S.**, Mićković, B., Nikolić, D., Hegediš, A., Cvijanović, G. (2017). Seasonal weight-length relationship of Amur sleeper (Perccottus glenii Dubowski, 1877) in the Danube River drainage channel. Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe. 7th ESENIAS Workshop with Scientific Conference.

Book of abstract., Institute of Biodiversity and Ecosystem Research,Bulgarian Academyo f Sciences (IBER-BAS); East and South European Network for Invasive Alien Species(ESENIAS), Institute of Biodiversity and Ecosystem Research Bulgarian Academy of Sciences, pp. 157 - 157, 978-954-9746-42-6, Sofia, Bulgaria, 28. - 30. Mar, 2017. **M34: 0.5**

70. Lenhardt, M., **Skorić, S.**, Jovičić, K., Spasić, S. & Hegediš, A. (2017). Impact assessment of environmental contamination by metal and metalloid concentrations (ICP-OES) in the gills, liver and muscle of chub (*Squalius cephalus*), 6th aquatic biodiversity international conference, pp. 6 - 6, 978-606-12-1465-5, 2017. **M34: 0.5**

71. Lenhardt, M., Pekarik, L., **Skorić, S.**, Smederevac Lalić, M., Hegediš, A., Jaćimović M., Đikanović, V. (2017). Influence of the diel period and different sampling methods on catch of gobiids at four locations in the inshore part of the Danube River., Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe. 7th ESENIAS Workshop with Scientific Conference. Book of abstract., Institute of Biodiversity and Ecosystem Research,Bulgarian Academyo f Sciences (IBER-BAS); East and South European Network for Invasive Alien Species(ESENIAS), Institute of Biodiversity and Ecosystem Research Bulgarian Academy of Sciences, pp. 157 - 157, 978-954-9746-42-6, Sofia, Bulgaria, 28. - 30. Mar, 2017. **M34: 0.5**

72. Jovičić, K., Lenhardt, M., Višnjić-Jeftić, Ž.,Đikanović, V., **Skorić, S.**, Smederevac-Lalić, M., Cvijanović, G., Jaćimović, M., Gačić, Z., Jarić, I. &Hegediš, A. (2014). Assessment of stocks and meat quality of fishery resources in the Danube, Sava and Kolubara rivers on the territory of the city of Belgrade, 40th Conference of the International Association of Danube Research, Internationalassociationfor Danube research (IAD), 40, pp. 42 - 42, Bulgaria, 17. - 20. Jun, 2014. **M34: 0.28**

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73. Marković, G., Đikanović, V., **Skorić, S.**, Ljujić, J., Marinković, Z., (2014).Alohtone vrste riba većih akumulacija slivnog područja Zapadne Morave., 43. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2014“, Srpsko društvo za zaštitu voda, 43, pp. 65 - 70, 978-86-916753-1-8, Srbija, 3. - 5. Jun, 2014. **M63: 1**

74. Đikanović, V., Jovičić, K., Marković G, **Skorić, S.** (2016). Pregled bioloških zajednica akumulacije Međuvršje, 45. godišnja konferencija o aktuelnim temama korišćenja i zaštite voda "Voda 2016", Srpsko društvo za zaštitu voda, pp. 285 - 292, 978-86-916753-3-2, Srbija, 15. - 17. Jun, 2016. **M63: 1**

75. Skorić, S., Đikanović, V., Jovičić, K., Višnjić Jeftić, Ž., Cvijanović, G., Hegediš, A. (2017). Struktura zajednice riba akumulacija Spajić i Kruščica, 46. konferencija o aktuelnim temama korišćenja i zaštite voda "Voda 2017", Srpsko društvo za zaštitu voda, pp. 75 - 80, 978-86-916753-4-9, Vršac, 6. - 8. Jun, 2017. **M63: 1**

2.2.9 Саопштење са скупа националног значаја штампано у изводу (М64)

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3. АНАЛИЗА РАДОВА

Преглед објављених радова показује да је научно-истраживачки рад др Стефана Скорића обухватио истраживања из неколико области. Према ужим истраживачким областима којима припадају публикације др Стефана Скорића могу се сврстати у следеће категорије:

1. ихтиологија, екологија и екотоксикологија риба и аквакултура
2. орнитологија, екологија и екотоксигологија птица

Резултатима истраживања из области ихтиологије, екологије и екотоксикологије риба као и аквакултуре припадају радови 1, 2, 5, 6, 7, 9, 10, 13, 14, 15, 18, 19, 20, 21, 22, 23, 24, 25, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76. Резултатима истраживања из области орнитологија, екологија и екотоксигологија птица припадају радови 3, 4, 8, 9, 11, 12, 16, 17, 26, 27, 29, 41, 48.

На основу до сада публикованих радова, може се закључити да токсиколошка истраживања различитих врста риба и ихтиофагних птица представљају централну област истраживања др Стефана Скорића. Рибе су изложене разним типовима загађења у води и седименту, па се сматра да могу представљати добре индикаторе стања акватичних екосистема. Птице мочварице се такође, често користе као индикатори стања станишта. Разне студије указују да могу бити коришћене као индикатори контаминације водених екосистема металима и локалног загађења у околини њихових гнездилишта.Поред основних популационих испитивања могућности употребе популационих истраживања као индикатора квалитета животне средине, праћен је и ниво акумулације метала у

различитим органима и ткивима рибаи корморана као индикатора загађења животне средине. Утврђени су комплексни принципи дистрибуције елемената у организму, при чему су јетра представља центар акумулације већине тешких метала, док су најниже концентрације забележене у мишићном ткиву Резултатима истраживања из ове области припадају радови 1, 2, 3, 5, 20, 22, 23, 36, 37, 40, 43, 44, 45, 46, 47, 48, 49, 55, 56, 62 и 70.

Осим на нивоу ткива метали и елементи у траговима дају одговора и на нивоу генома па је свакако сврсисходно радити истраживања и њихове генотоксичности. Процена генотоксичности површинских вода вршена је на основу детекције оштећења DNK молекула алкалним комет тестом у крви, јетри и шкргама. Параметри за рангирање нивоа оштећења DNK молекула били су: дужина репа комете, интензитет репа комете и „Olive tail moment". Овој области припадају радови број 37, 42 и 49.

Хистопатолошких промена на ткивима (мишић, јетра, шкрга), такође могу бити узроковане повећаним нивоом метала и елемената у траговима, па могу бити од велике користи у утврђивању њиховог штетног утицаја на нивоу органа. Хистопатолошке методе примењују се за испитивање ефеката органских и неорганских загађивача (где спадају и тешки метали и елементи у траговима) на одређеним ткивима риба. Анализа природних популација риба само хистопатолошким методама није довољна за разумевање извора и трајања загађења, међутим, добар приступ је коришћење статистичких метода при обради хистопатолошких промена и концентрације елемената метала које могу бити добар показатељ утицаја ових загађивача на патолошке промене на ткивима риба (радови број 44 и 46).

У радовима 6, 9, 15, 21, 24, 28, 30, 31, 32, 34, 38, 39, 50, 51, 53, 54, 57, 60, 63, 64, 65, 66, 67, 68, 72, 75 и 76 су обрађена различита питања ихтиологије и екологије риба. У њима се дају опште анализе еколошких карактеристика одређених врста риба у различитим типовима отворених вода у Србији. Радови број 10, 25 и 33 се баве проблематиком ендопаразита код риба.

Одређен број радова обрађује и проблематику појаве, ширења и негативног дејства интродукованих инвазивних врста (радови 7, 34, 52, 57, 58, 59, 69, 71, 73), глобалног феномена који представља све значајнији еколошки проблем у нашој земљи и у свету. У водама Србије последњих година појава интродукованих врста представља један од најзначајнијих фактора угрожавања аутохтоног биодивезитета риба. Теренским

истраживањима су забележени први налази хибрида пругастог баса у отвореним водама дунавског басена.

У радовима број 13, 14, 18, 19, 35 и 61 кандидат се бавио истраживањима из области аквакултуре тј. увођењем нових начина узгоја риба у Србији.

3.1. Избор најзначајнијих научних остварења кандидата у периоду од избора у звање научни сарадник

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2. Hribšek, I., Jovičić, K., Karadžić, B. & **Skorić. S.** (2017). Allocation of metals and trace elements in different tissues of piscivorous species *Phalacrocorax carbo*. Archives of Environmental Contamination and Toxicology. 73 (4), 533-541.
3. **Skoric, S.**, Visnjić-Jeftic, Z., Jaric, I., Djikanovic, V., Mickovic, B., Nikcevic, M., Lenhardt, M. (2012) Accumulation of 20 elements in great cormorant (Phalacrocorax carbo) and its main prey, carp (Cyprinus carpio) and Prussian carp (Carassius gibelio). Ecotoxicology and Environmental Safety 80: 244-251.
4. Rašković, B., Poleksić, V., **Skorić, S.**, Jovičić, K., Spasić, S., Hegediš, A., Vasić, N. & Lenhardt, M. (2018). Effects of mine tailing and mixed contamination on metals, trace elements accumulation and histopathology of the chub (*Squalius cephalus*) tissues: Evidence from three differently contaminated sites in Serbia. Ecotoxicology and Environmental Safety, 153: 238-247.
5. Langguth, T., Honnen, A-C., Hailer, F., Mizera, T., **Skorić, S.**, Vali, U., Zachos, F. (2013). Genetic structure and phylogeography of a European flagship species, the white-tailed sea eagle Haliaeetus albicilla. Journal of avian biology 44 (3): 263-271.

4. КВАЛИТЕТ НАУЧНИХ РАДОВА

Из наведеног списка се види да је др Стефан Скорић аутор/коаутор 76 научних публикација: 30 публикације у међународним часописима и четири у домаћим научним

часописима, 43 саопштења на међународним скуповима (од чега је 24 публиковано у целини, а 19 у конгресним зборницима у форми резимеа).

4.1 Цитираност

Публикације др Стефана Скорића цитиране су 299 пута (без аутоцитата, извор SCOPUS база) у научним радовима.

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1. Puntoriero, M.L., Fernández Cirelli, A., Volpedo, A.V.
Histopathological changes in liver and gills of Odontesthes bonariensis inhabiting a lake with high concentrations of arsenic and fluoride (Chasicó Lake, Buenos Aires Province)
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Biochemical, Histopathological and Molecular Responses in Gills of Leuciscus cephalus Exposed to Metals
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5. КВАЛИТАТИВНИ ПОКАЗАТЕЉИ УСПЕХА У НАУЧНОМ РАДУ

5.1. Међународна сарадња

Др **Стефан Скорић** је током своје истраживачке каријере допринео у спостављању сарадње матичне институције са истраживачима из Словачке радећи на пројекту „Хармонизација метода за праћење квалитативног и квантитативног састава рибљих популација у великим рекама“. Такође, учешћем на пројекту „BioFresh Project - Compilation of geo-referenced distribution data of Serbian freshwater fishes“, кандидат је допринео сарадњи са стручњацима из Немачке у развоју методе георефернцирања слатководних врста риба у Србији. Као учесник на ИПА пројекту под називом „Sustainable use of sterlet and development of sterlet aquaculture in Serbia and Hungary“ допринела је изучавању развоја аквакултуре у Србији на основу сарадње са Мађарским стручњацима о чему сведоче публикације из те области. Заједничке публикације у међународним

научним часописима и на међународним научним скуповима говоре о значајном доприносу Стефана Скорића на успостављању заједничких истраживања са колегама из иностранства.

5.2. Ангажованост у формирању научних катрова:

Др Стефан Скорић учествовао је у реализацији два одбрањена мастер рада као ко-ментор. Први мастер рад је одбрањен 2015. године од стране кандидата Душана Николића под називом „Сезонска варијабилност бројности и диверзитета риба реке Дунав код Београда (1168 – 1170)“, а други 2016. године од стране кандидата Марка Ристића под називом „Анализа преференција зимске исхране птица певачица у урбаној средини Београда“. Такође, Стефан Скорић учествовао је у реализацији два одбрањена мастер рада као члан комисије. Први је одбрањен 2015. од стране Erzsabet Frey под називом „Дужинско тежински однос и фактор кондиције код деверике, *Abramis brama* (Linnaeus, 1758), у Дунаву код Београда (1168-1170 ркм)“, а други 2016. од стране Стефана Исаковић под називом „Исхрана видре (*Lutra lutra*) на подручју клисуре реке Градац“.

5.3. Учешће у реализацији научних пројеката:

Кандидат је учествовао на више националних научноистраживачких пројеката :

- Индикатори нарушености структуре и функције терестричних екосистема – (1565) Министарство за науку, технологију и развој, 2003-2005.
- Истраживање могућности за развој високопродуктивне аквакултуре на мобилним пловним објектима – (ТР 23034) Министарство за науку и технолошки развој, Министарство просвете и науке, 2008-2010.
- South East European Wind Energy Exploitation" – SEEWIND, FP6 project EU, 2008-2012,
- Рибе као биоиндикатори стања квалитета отворених вода Србије (ОИ 173045),

Министарство просвете, науке и технолошког развоја, 2010-2016.

- Мерење и моделирање физичких, хемијских, биолошких и морфодинамичких параметара река и водних акумулација (ТР 37009), Министарство за науку и технолошки развој, Министарство просвете и науке, 2011-2014.

- Риболовни ресурси у Дунаву и Сави на територији Београда - страње, валоризација, развој мониторинг програма, Градска управа града Београда - Секретаријат за заштиту животне средине, 2012 – 2013.

Кандидат је учествовао на више међународних научноистраживачких пројеката :

- Compilation of geo-referenced distribution data of Serbian freshwater fishes - BioFresh Project , EU, 2012-2013.

- Хармонизација метода за праћење квалитативног и квантитативног састава рибљих популација у великим рекама (680-00-140/2012-09/02), Министарство просвете, науке и технолошког развоја, Словачка Академија Наука, 2012- 2013.

- Swimming of fish and implications for migration and aquaculture (FITFISH), COST Action (European Cooperation in Science and Technology) FA1304, ЕУ 2014-2018.

- Network Lake Observations in Europe (NETLAKE) (COST Action ES1201). EU, 2012-2016.

- Sustainable use of sterlet and development of sterlet aquaculture in Serbia and Hungary, ИПА пројекат., Европска Агенција за Реконструкцију, 2007-2008.

5.4. Чланства у научним друштвима:

Кандидат Стефан Скорић је члан Српског биолошког друштва као и члан научног већа у актуелном сазиву у институтцији у којој је запослен.

6. КВАНТИТАТИВНА ОЦЕНА НАУЧНО-ИСТРАЖИВАЧКИХ РЕЗУЛТАТА

Квантитативна оцена резултата научно-истраживачког рада др Стефана Скорића дата је у табелама 1-3.

Табела 1. Укупне вредности коефицијента М др Стефана Скорића након избора у звања научни сарадник према категоријама прописаним у Правилнику за област природно-математичих и медицинских наука.

Диференцијалми услов – од првог избора у претходно звање до избора у звање	Потребно је да кандидат има најмање XX поена, који треба да припадају следећим категоријама		
		Неопходно XX=	Остварено
Виши научни сарадник	Укупно	50	**92,895**
Обавезни (1)	M10+M20+M31+M32+M33+M41+M42+M90	40	**85,895**
Обавезни (2)	M11+M12+M21+M22+M23	30	**78,995**

Табела 2. Научни резултати рада након избора у звање научни сарадник др Стефана Скорића.

Ознака групе	Укупан број радова	Вредност индикатора	Укупна вредност
M21a	2	10	17,14
M21	3	8	18,32
M22	5	5	23,32
M23	8	3	22,015
M33	5	1	4,16
M34	9	0,5	2,74
M51	1	2	2
M63	3	0,5	3
M64	1	0,2	0,2
Укупно			**92,895**

Табела 3. Укупни научни резултати у досадашњој каријери др Стефана Скорића:

До избора у звање научни сарадник	70
После избора у званје научни сарадник	92,895
Укупно у читавој каријери	162,895

Табела 4. Параметри квалитета часописа у укупној каријери (укупни импакт фактор радова публикованих у часописима).

До избора у звање научни сарадник	17,253
После избора у звање научни сарадник	33,775
Укупно у читавој каријери	51,028

7. ЗАКЉУЧАК И ПРЕДЛОГ

Увидом у досадашњи рад и свеобухватном анализом научног доприноса рада др **Стефана Скорића**, научног сарадника Института за мултидисциплинарана истраживања, према критеријумима који су прописани Законом о научноистраживачкој делатности и Правилником о поступку и начину вредновања и квантитативном исказивању научно-истраживачких резултата истраживача, потврђена је оправданост његовог избора у звање виши научни сарадник.

Комисија сматра да, на основу критеријума које је прописало Министарство за просвету, науку и технолошки развој Републике Србије, др **Стефан Скорић** испуњава све услове за избор у звање **виши научни сарадник,** те предлаже Научном већу Института за мултидисциплинарна истраживања да прихвати овај извештај и предложи његов избор у то звање.

Београд, 10. 04. 2018.

КОМИСИЈА

др Зоран Гачић, научни саветник, Институт за мултидисциплинарна истраживања и Биолошки факултет, Универзитет у Београду

др Мирјана Ленхардт, научни саветник Институт за биолошка истраживања „Синиша Станковић“, Универзитет у Београду

др Мирослав Никчевић, виши научни сарадник, Институт за мултидисциплинарна истраживања, Универзитет у Београду

Укупне вредности коефицијента М од избора у звање научни сарадникпрема категоријама прописаним у Правилнику за област природно-математичких и медицинских наука:

Диференцијалми услов – од првог избора у претходно звање до избора у звање	Потребно је да кандидат има најмање XX поена, који треба да припадају следећим категоријама		
		Неопходно XX=	Остварено
Научни сарадник	Укупно	16	
Обавезни (1)	M10+M20+M31+M32+M33+M41+M42	10	
Обавезни (2)	M11+M12+M21+M22+M23	6	
Виши научни сарадник	Укупно	50	92,895
Обавезни (1)	M10+M20+M31+M32+M33+M41+M42+M90	40	85,895
Обавезни (2)	M11+M12+M21+M22+M23	30	78,995
Научни саветник	Укупно	70	
Обавезни (1)	M10+M20+M31+M32+M33+M41+M42+M90	50	
Обавезни (2)	M11+M12+M21+M22+M23	35	