НАУЧНОМ ВЕЋУ
ИНСТИТУТА ЗА МУЛТИДИСЦИПЛИНАРНА ИСТРАЖИВАЊА
БЕОГРАД

Одлуком Научног већа Института за мултидисциплинарна истраживања, донетој на седници одржаној 28.01.2021. године, именовани смо у Комисију за оцену научно-истраживачког рада ***др Мирослава Никчевића***, вишег научног сарадника, запосленог у Одсеку за природне ресурсе и науку о животној средини Института за мултидисциплинарна истраживања, као и утврђивање испуњености услова за његов реизбор у звање ***више научни сарадник***. На основу анализе рада кандидата подносимо Научном већу следећи

И З В Е Ш Т А Ј

1. БИОГРАФСКИ ПОДАЦИ

Мирослав Никчевић рођен је у Шапцу 17.12.1959. године. Студије Опште биологије на Природно-математичком факултету Универзитета у

Београду завршио је 1984. год. Магистарски рад под насловом "Примена модуларних рециклажних система за аквакултуру у испитивању аклимационих својстава рибљих врста, посебно манића (*Lota lota* L.)", рађен под руководством др Радослава Анђуса, одбранио је новембра 1996. год. стекавши академски степен Магистар биолошких наука. Докторске студије уписао је 1997. год. На истој групи Биолошког факултета одбранио је 12. 11. 2000. год. и докторску дисертацију под насловом "Термоадаптивна својства кинетичких одлика лактататне дехидрогеназе код риба", стекавши академски степен Доктора биолошких наука.

У периоду од 1987. до 2001. год. запослен је у Лабораторији за биофизику Центра за мултидисциплинарне студије Универзитета у Београду (сада Института за мултидисциплинарна истраживања), где и сада ради. Од 2001. до 2003. год. Помоћник Савезног секретара за Рад, здравље, социјално старање-руководилац Сектора животне средине. Директор Управе за заштиту животне средине у оквиру Министарства науке и заштите животне средине био је (2004-2007). Директор Института за мултидисциплинарна истраживања (2008-2011).

Руководио је пројектима: "Развој високопродуктивне аквакултуре и њене примене у заштити и унапређењу рибљих ресурса." Министарство за науку и заштиту животне средине (2002-2005), и "Младица (*Hucho hucho*) – заштита и вештачки узгој (1995 – 1997)" САНУ.

2. БИБЛИОГРАФИЈА

2.1. Библиографија до избора у звање научни сарадник

1. *Поглавља у књигама и прегледни чланци* (M_{10}):

1. Nikcevic, M., Hegedis, A., Mickovic, B., Zivadinovic, D. and R.K. Andjus (2000) Thermal acclimation capacity of the burbot *Lota lota* L. In: Burbot, Biology, Ecology and Menagement, V.G. Paragamian and D. W. Willis (Eds), Spokane, Washington, p.71-77.

M_{13}=6

2. *Објављени радови међународног значаја (M_{20})*:

2. Nikcevic, M., Mickovic, B., Hegedis, A. and Andjus, R.K. (1998) Huchens (*Hucho hucho*) in river Tresnjica, a tributary of river Drina in Serbia: feeding habits of the fry. *Ital. J. Zool.*, 65, suppl.: 231-233. IF=0.466
3. Hegedis, A., Nikcevic, M., Mickovic, B. and Andjus, R.K. (1996) A survey of the fish fauna in the floodplains of the Yugoslav reach of river Danube. *31 Konferenz der IAD, Baja/Ungarn. Limnologische Berichte Donau 1996* (Band I): 329-334.
4. Jankovic, D., Hegedis, A. and Nikcevic, M. (1991) Ichthyofauna des Kolubara-Flussgebietes-Indikator der Wasserqualität. *Limnologische Berichte*, 2: 212-215.
5. Petrovic, G., Hegedis, A. and Nikcevic, M. (1991) Zum Phosphorgehalt des Stauraumes "Djerdap I". *Limnologische Berichte*, 2: 57-60.

6. Nikcevic, M., Hegedis, A., Mickovic, B. and Andjus, R.K. (1999) Burbots (*Lota lota*) from Lake Plavsko (Montenegro): feeding habits during summer. *Contributions to the Zoogeography and Ecology of Eastern Mediteranean Region*, 1: 373-378.
7. Mickovic, B., Nikcevic, M., Hegedis, A., Andjus R.K. and Mandic, S. (1996) On the biology of *Phoxinellus stimphalicus montenegrinus* Karaman, 1972. *Bios (Macedonia, Greece)*: 367-372.
8. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R.K. (1996) A survey of European eel *Anguilla anguilla* (L., 1758) habitats in running waters along the south Adriatic coast of Montenegro. *Publ. Espec. Institut. Esp. Oceanogr.*, 21: 211-219.
9. Mickovic, B., Nikcevic, M., Hegedis, A. and Damjanovic, I. (1994) Seasonal dynamics of fish fry populations in brackish waters of the Mrcevo Valley. *Bios (Macedonia, Greece)*, 2: 143-147

M_{23}=12

3. *Објављени радови националног значаја (M_{50})*:

10. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R.K. (1997) The fish fauna of the South Adriatic coastal waters. *Ekologija*, 32: 99-109. (in Serbian with English abstract).
11. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R.K. (1997) Risk factors and protection of migratory fish species in running waters along the South Adriatic coast. *Ekologija*, 32: 111-120. (in Serbian with English abstract).
12. Nikcevic, M., Hegedis, A., Mickovic, B., Bakovic, A. and Andjus, R.K. (1995) The burbot (*Lota lota* L.) in Yugoslavia: Habitats and thermal acclimation capacity. *Ichthyologia* 27: 5-11.
13. Mickovic, B., Nikcevic, M., Hegedis, A. and Andjus, R.K. (1998) Huchen fry growth in aquaculture and in their natural habitat. *Arch. Biol. Sci.*, 50: 35P-36P.
14. Simonovic, P., Hegedis, A., Nikcevic, M., Mickovic, B. and Nikolic, V. (1996) Growth in length of Eurasian perch (*Perca fluviatilis* L.) from Vlasinsko jezero reservoir. *Arch. Biol. Sci.*, 48: 19P-20P.
15. Hegedis, A., Nikcevic, M., Mickovic, B. and Andjus, R.K. (1994) A survey of the fish fauna in floodplains influenced by the Djerdap dam I reservoir. *Arch. Biol. Sci.*, 46: 7P-8P.
16. Hegedis, A., Mickovic, B., Nikcevic, M., Bejakovic, D. and Andjus, R.K. (1994) A comparative survey of the fish fauna in the floodplain zones of river Danube. *Arch. Biol. Sci.*, 46: 23P-24P.
17. Mickovic, B., Hegedis, A., Nikcevic, M., Damjanovic, I. and Andjus, R.K. (1994) Seasonal distribution of the gray mullet fry in inland waters along the South Adriatic coast. *Arch. Biol. Sci.*, 46: 5P-6P.
18. Hegedis, A., Cakic, P., Mickovic, B., Nikcevic, M. and Andjus, R.K. (1993) *Gymnocephalus baloni* Holcik and Hensel, 1974 - a new percid in Yugoslav fresh waters. *Arch. Biol. Sci.*, 45: 35P-36P.
19. Mickovic, B., Hegedis, A., Nikcevic, M., Andjus, R.K. and Damjanovic, I. (1993) Dependence of the growth rate of *Liza saliens* fry on the frequency of

feeding under conditions of intensive aquaculture in recirculation systems. *Arch. Biol. Sci.*, 45: 43P-44P.

20. Mickovic, B., Hegedis, A., Nikcevic, M. and Andjus, R.K. (1993) Survey of the fish fauna of the "Djerdap I" reservoir. *Arch. Biol. Sci.*, 45: 33P-34P.
21. Nikcevic, M., Hegedis, A., Mickovic, B. and Andjus, R.K. (1993) Functional characteristics of a pilot recycling system for intensive aquaculture under conditions of controlled alkalinity. *Arch. Biol. Sci.*, 45: 29P-30P.
22. Hegedis, A., Nikcevic, M. and Mickovic, B. (1992) The fish fauna of the lower course of river Pek. *Arch. Biol. Sci.*, 44: 11P-12P.
23. Mickovic, B., Hegedis, A., Nikcevic, M. and Andjus, R.K. (1992) Tolerance to ammonia of juvenile *Chelon labrosus*, a promising candidate for intensive aquaculture. *Arch. Biol. Sci.*, 44: 13P-14P.
24. Nikcevic, M., Hegedis, A., Mickovic, B. and Andjus, R.K. (1992) Time course kinetics of biofiltration efficiency in a pilot recycling system for aquaculture operated at reduced temperature. *Arch. Biol. Sci.*, 44: 15P-16P.
25. Hegedis, A., Nikcevic, M., Mickovic, B., Jankovic, D. and Andjus, R.K. (1991) Discovery of the goby *Neogobius gymnotrachelus* in Yugoslav fresh waters. *Arch. Biol. Sci.*, 43: 39P-40P.
26. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R.K. (1991) On the distribution and behaviour in captivity of an endemic small cyprinid subspecies, *Phoxinellus stimphalicus montenegrinus* K. *Arch. Biol. Sci.*, 43: 23P-24P.

M_{51}=34

R_{65}=0.5

4. *Радови објављени у изводима* (M_{60}):

27. Hegedis A., Nikcevic, M. and Mickovic, B. (1997) Fisheries management in Serbia: current status and problems. *Proceedings of the 3rd Yugoslav symposia "Fisheries in Yugoslavia"* 150-156. (in Serbian).

M_{63}=0,5

28. Hegedis, A., Mickovic, B., Nikcevic, M., Damjanovic, I. and Andjus, R. K. (1998) Eels and mullets in coastal waters of Montenegro: Basic ecological data. 21st Yugosl. Symp. Biophysics, Workshop "Ecophysiology and Biophysics of Vision in Fishes" (Kotor, Yugoslavia), Book of abstracts, p. 24.
29. Nikcevic, M., Mickovic, B., Hegedis, A. and Andjus, R.K. (1997) Huchen, *Hucho hucho*, in river Tresnjica, a tributary of river Drina in Serbia, spawning behavior and feeding habits of fry (Salmonidae). Ninth Internatl. Congr.of European Ichthyologists (CEI 9) "Fish Biodiversity", Napoli-Trieste. Book of abstracts, p. 65.
30. Mickovic, B., Nikcevic, M., Hegedis, A., Andjus, R. K. and Mandic, S. (1996) On the biology of *Phoxinellus stimphalicus montenegrinus* Karaman, 1972. 7th Internatl. Congr. Zoogeography and Ecology of Greece and Adjacent Regions (Athens, Greece), Book of abstracts, p. 47.
31. Nikcevic, M., Hegedis, A., Mickovic, B. and Andjus, R. K. (1996) Burbots (*Lota lota*) from Lake Plavsko (Montenegro): feeding habits during summer. 7th Internatl. Congr. Zoogeography and Ecology of Greece and Adjacent Regions (Athens, Greece), Book of abstracts, p. 49.
32. Nikcevic, M., Hegedis, A., Mickovic, B. and Andjus, R. K. (1995) A survey of the fish fauna in the floodplains of the Yugoslav reach of river Danube. 1st Internatl. Symp. "The Ecology of Large Rivers" (Krems, Austria), Book of abstracts, p. 66.
33. Mickovic, B., Nikcevic, M., Hegedis, A., Damjanovic, I., Hoehner G. and Andjus, R. K. (1995) Coastal waters of the South Adriatic as natural resources of fish fry for aquaculture. Scientific Meeting "Investigations and Protection of the Adriatic Sea" (Kotor, Yugoslavia), Book of abstracts, S-I-15.
34. Mickovic, B., Nikcevic, M., Hegedis, A., Damjanovic, I., Hoehner G. and Andjus, R. K. (1995) Influence of feeding schedule on the growth pattern of the gray mullet fry. Scientific Meeting "Investigations and Protection of the Adriatic Sea (Kotor, Yugoslavia), Book of abstracts, S-III-10.

35. Hegedis, A., Mickovic, B., Nikcevic, M., and Andjus, R. K. (1995) Feeding-induced metabolic changes in juvenile eels cultured in a warm-water recirculation system. Scientific Meeting "Investigations and Protection of the Adriatic Sea" (Kotor, Yugoslavia), Book of abstracts, S-III-11.
36. Hegedis, A., Mickovic, B., Nikcevic, M., and Andjus, R. K.(1994) Feeding-induced metabolic changes in juvenile eels cultured in a warm-water recirculation system. VIII Congr. Societas Europaea Ichthyologorum "Fishes and their environment" (Oviedo, Spain), Book of abstracts, p. 34.
37. Hegedis, A., Mickovic, B., Nikcevic, M., Damjanovic, I. and Andjus, R. K. (1994) A survey of European eel (*Anguilla anguilla* L.) in rivers along the South Adriatic coast of Montenegro. VIII Congr. Societas Europaea Ichthyologorum "Fishes and their environment" (Oviedo, Spain), Book of abstracts, p. 34-35.

$M_{34}=5$

38. Hegedis, A., Mickovic, B., Nikcevic, M., Damjanovic, I. and Andjus, R. K. (1996) Characteristics of populations of the European eel (*Anguilla anguilla*) in running waters along the South Adriatic (in Serbian). 5th Congr. Yugoslav Ecologists (Belgrade), Book of abstracts, p. 26.
39. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R. K. (1996) Fish fauna of the running waters along the South Adriatic (in Serbian). 5th Congr. Yugoslav Ecologists (Belgrade), Book of abstracts, p. 47.
40. Hegedis, A., Nikcevic, M., Mickovic, B., Damjanovic, I. and Andjus, R. K. (1996) Endangering factors and protection of migratory fish species in the running waters along the South Adriatic). 5th Congr. Yugoslav Ecologists (Belgrade), Book of abstracts, p. 52-53.

$M_{64}=0.6$

5. *Дисертација и теза* (M_{70}):

Докторска дисертација: Универзитет у Београду, Општа биологија, 2000.
"Термоадаптивна својства кинетичких одлика лактататне дехидрогеназе код риба".

$M_{71}=6$

Магистарска теза: Универзитет у Београду, Општа биологија, 1996.

"Примена модуларних рециклажних система за аквакултуру у испитивању аклимационих својстава рибљих врста, посебно манића *(Lota lota* L.*)*".

M_{72}=3

Укупан M=86.1

2.2. Библиографија од избора у звање научни сарадник

Рад у истакнутом водећем часопису међународног значаја (M_{21})

41. Hegediš, A., Kalauzi, A., Mićković, B., **Nikčević, M.** and Andjus, R. K. (2005). Modeling of the European Glass Eel (*Anguilla anguilla* L.) Migration into the River Bojana (Serbia and Montenegro). Annals of New York Academy of Science, 1048, 85-91. IF=1.971
42. Visnjic-Jeftic, Z., Jaric I., Jovanovic, Lj., Skoric, S., Smederevac-Lalic, M., **Nikcevic, 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(2), 341-344. IF=2.480

M21=16

Рад у истакнутом часопису међународног значаја(M_{22})

43. Milosevic, M., Visnjic-Jeftic, Z., Damjanovic, I., **Nikcevic, M.**, Andjus, P., Gacic, Z. (2009). Temporal analysis of electroretinographic responses in fishes with rod-dominated and mixed rod-cone retina. General Physiology and Biophysics, 3 (28) 276-282. IF=1.286
44. Gacic, Z, Damjanovic, I., Bajic, A., Milosevic, M., Mickovic, B., **Nikcevic M.** and Andjus, P. (2007). The d-wave in fish and the state of light adaptation. General Physiology and Biophysics, Vol. 26 (4), 260-267. IF=1.286

M22=10

Рад у часопису међународног значаја (M_{23})

45. Lenhardt , M., Cakic, P., Kolarevic, J., Mickovic, B. & **Nikcevic, M.** (2004) Changes in sterlet (*Acipenser ruthenus* L.) catch and length frequency distribution in the Serbian part of the Danube River during the twentieth century. Ecohydrology & Hydrobiology 4 (2), 193-197. IF=0.410
46. Gačić, Z., Damjanović, I, Mićković, B., Hegediš, A.and **Nikčević, M.** (2007). Spectral sensitivity of the dogfish shark (*Scyliorhinus canicula*). Fish Physiology and Biochemistry, 33(1), 21-27. IF=0.505
47. Gačić, Z, Bajić, A., Milošević, M., **Nikčević, M.**, Mićković, B. and Damjanović, I. (2007). Spectral sensitivity of the perch (*Perca fluviatilis*). Arch. Biol. Sci., Belgrade, 59 (4) , 335-340. IF=0.140
48. Marinkovic, S.P., Skoric, S.B., Popovic, Z., **Nikcevic, M** (2008). Research on long-term colonization of goosander (*Mergus merganser* Linneaus, 1758) with reference to habitat availability. Arch. Biol. Sci., Belgrade, 60 (3) , 501-506. IF=0.220
49. Višnjić-Jeftić, Ž., Lenhardt, M., Navodaru, I., Hegediš, A., Gačić, Z. and **Nikčević, M.** (2009). Reproducibility of age determination by scale and vertebra in Pontic shad (Alosa pontica Eichwald, 1838), from the Danube. Arch. Biol. Sci., Belgrade, 61 (2), 337-342. IF=0.320
49. Mićković, B., **Nikčević, M.**, Hegediš, A., Regner, S., Gačić, Z., and Krpo-Ćetković J. (2010). Mullet Fry (Mugilidae) In Coastal Waters Of Montenegro, Their Spatial Distribution And Migration Phenology. Arch. Biol. Sci., Belgrade 62 (1) : 107-114. IF=0.40
50. Živadinović, D., **Nikčević, M.** (2010). Kinetic properties of lactate dehydrogenase from trout muscle. Archives of biological sciences, Belgrade, 62 (2) 397-300. IF=0.40

M23=21

Рад саопштен на скупу међународног значаја штампан у целини (M_{33})

51. **Nikcevic, M,** Lenhardt, M., Cakic, P., Mickovic, B., Kolarevic, J. and Jaric, I. 2003. Historical review and new initiatives for sturgeon fisheries, aquaculture and caviar production in Serbia and Montenegro. RDPC Workshop 2003, 1-5 October, Kotor, Serbia and Montenegro.
52. Lenhardt, M., Cakic, P., Kolarevic, J., Gacic, Z., Mickovic, B., Jaric, I. & **Nikcevic, M.** 2004. Length-weight relationship of sterlet (*Acipenser ruthenus* L.) juveniles in the Danube River. Proceedings, 35 Conference of IAD 35, 533-536, Novi Sad.
53. Lenhardt, M., Kolarevic, J., Jaric, I., Cvijanovic, G., Poleksic, V., Mickovic, B., Gacic, Z., Cakic, P. and **Nikcevic, M.** 2004. Assesment concept for river ecosystems characterization based on sterlet (*Acipenser ruthenus* L.) population research. Proceedings of the Fifth International Symposium on Ecohydraulics «Aquatic habitatas: analysis & restoration», Madrid, 12th – 17th September, 153-156.

M33=3

Рад саопштен на скупу од међународног значаја штампан у изводу (M34)

54. Skorić, S., Hegediš, A., Gačić, Z., Mićković, B., **Nikčević, M.** and 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, 9-13 September, Dubrovnik, Croatia, p 173.
55. **Nikčević, M.,** Hegediš, A. and Mićković, B. (2004). Brief review on investigations in the fields of fish ecology and fish culture performed under Prof. Radoslav K. Andjus leadership. 22nd International Symposium on Biophysics. Sv. Stefan & Belgrade, 09-13th October 2004. Book of Abstracts: W2: 3.
56. Hegediš, A., Kalauzi, A., Mićković, B., **Nikčević, M.** and Andjus, R. K. (2005). Modeling of migration waves during the upstream the migration of glass eels in River Bojana. 22nd International Symposium on Biophysics. Sv. Stefan & Belgrade, 09-13th October 2004. Book of Abstracts: W2: 4.

M34=1,5

Стручни радови - елаборати:

57. **Никчевић, М.,** Мићковић,Б. и Хегедиш, А. (2003). Средњорочни програм унапређења рибарства на рибарском подручју "Западна Морава I" за период 2003. – 2007. година. Београд, *ОСР Пожега*. Пожега.
58. **Никчевић, М.,** Мићковић,Б. и Хегедиш, А. (2003). Средњорочни програм унапређења рибарства на рибарском подручју "Лим" за период 2003. – 2007. година. Београд, *ОСР Прибој*. Прибој.

Укупан М=51,5

2.3. Библиографија од избора у звање виши научни сарадник

Монографска студија/поглавље у књизи М11или рад у тематском зборнику водећег међународног значаја (М13)

59. Mirjana Lenhardt , Željka Višnjić-Jeftić , Ion Navodaru , Ivan Jarić , Milen Vassilev , Zoran Gačić, and **Miroslav Nikčević** (2012). Fish Stock Management Cooperation in the Lower Danube Region: A Case Study of Sturgeons and Pontic Shad. In V. Lagutov (ed.), *Environmental Security in Watersheds: The Sea of Azov*, NATO Science for Peace and Security Series C: Environmental Security, DOI 10.1007/978-94-007-2460-0_7, © Springer Science+Business Media B.V. 2012
60. Đikanović V., **Nikčević M.,** Mićković B., Hegediš A., Mrdak D., Pešić V. (2020) Anthropogenic Pressures on Watercourses of the Danube River Basin in Montenegro. In: Bănăduc D., Curtean-Bănăduc A., Pedrotti F., Cianfaglione K., Akeroyd J. (eds) Human Impact on Danube Watershed Biodiversity in the XXI Century. Geobotany Studies (Basics, Methods and Case Studies). Springer, Cham. https://doi.org/10.1007/978-3-030-37242-2_12

M13=14

Рад у истакнутом водећем часопису међународног значаја (M_{21})

61. Gačić, Z., Milošević, M., Mićković, B., **Nikčević, M.,** Damjanović, I. (2015). Effects of acute cooling on fish electroretinogram: A comparative study. Comparative Biochemistry and Physiology, Part A 184 (2015) 150–155. (IF=2.371)

M21=8

Рад у истакнутом часопису међународног значаја(M_{22})

62. Gačić, Z., Bajić, A., Milošević, M., **Nikčević, M.,** Mićković, B., Hegediš, A., Gačić, L., Damjanović, I. (2014). Spectral sensitivity of the electroretinogram b-wave in dark-adapted Prussian carp (Carassius gibelio Bloch, 1782). Fish Physiology and Biochemistry, 40:1899–1906. DOI 10.1007/s10695-014-9977-9. (IF=1.676)
63. Skoric, S., Visnjic-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, common carp (*Cyprinus carpio*) and Prussian carp (*Carassius gibelio*), Ecotoxicology and Environmental Safety. 80: 244-251 (IF=2.203)
64. Stanković, M., **Nikčević, M.,** Radotić, K. (2020). Annual variation of proteins and phenols in honey of a bee society using fluorescence spectroscopy: a way to assess effects of antivarroa treatments on honey composition. European Food Research and Technology. 246(7): 1515-1518 https://doi.org/10.1007/s00217-020-03507-x (IF=2.056)

M22=15

Рад у часопису међународног значаја (M_{23})

65. **Nikcevic, M.**, Mickovic, B., Gacic, Z., Zivadinovic, D. (2017). Thermal sensitivity of white muscle lactate dehydrogenase isolated from a lake trout, (*Salmo trutta*), inhabiting lake Plav, Montenegro, Environmental Biology of Fishes, vol. 100, br. 5, 535-549. (IF=1.514)
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M23=9

Рад саопштен на скупу међународног значаја штампан у целини (M_{33})

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kor=0.3

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kor=0.8

76. Krpo Ćetković, J., Prica, M., Subotić, S., **Nikčević, M.,** Mićković, B. (2018). Lenght-weight relationship and condition of three goby species in the Danube River near Slankamen (Serbia). Geomorphologia Slovaca et Bohemica 39-45.

M33=8.1

Рад саопштен на скупу од међународног значаја штампан у изводу (М34)

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kor: 0.2

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kor=0.2

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kor=0.3

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kor=0.4

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M34=5.6

Рад у водећем часопису националног значаја (М51)

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M51=10

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M53=2

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kor=0.6

99. Mićković, B., **Nikčević, M.,** Skorić, S., Nikolić, D. & Đikanović, V. (2018). Stratifikacija pokazatelja kvaliteta vode akumulacije "Uvac" (sezona sredina leta – rana jesen 2017).47. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2018", Sokobanja, 12. - 14. jun 2018. Zbornik radova: 75-81.
100. V. Đikanović, S. Skorić, **M. Nikčević**, B. Mićković: Značaj očuvanja malih planinskih vodotoka; primer tekućica na području rezervata "Uvac". 48. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2019", Zlatibor, 4. - 6. jun 2018. Zbornik radova: 199-204.

M63=3.6

Стручни радови, студије и елаборати

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Табела 1. Укупне вредности коефицијента М за период 2012-2020. година др Мирослава Никчевића за звање виши научни сарадник према категоријама прописаним у Правилнику за област природно-математичих и медицинских наука.

Категорија радова	Потребан минимум за звање виши научни сарадник	Остварено после избора у звање виши научни сарадник
Укупно	50	76,1
M10+M20+M31+M32+M33 +M41+M42+M90	40	54,1
M11+M12+M21+M22+M23	30	32

Табела 2. Укупни остварени импакт фактор (2013; извор: KoBSON) др Мирослава Никчевића.

Период	ΣИФ	ИФ/раду
До избора у звање виши научни сарадник	9,418	0,856
После избора у звање виши научни срадник	11,592	1,656
Укупно	21,01	1,256

3. Анализа радова

3.1. Анализа радова објављених после избора у звање виши научни сарадник

Према ужим истраживачким областима којима припадају публикације др Мирослава Никчевића могу се сврстати у следеће категорије:

1. екологија и фаунистика риба,
2. газдовање, заштита и унапређење рибљих ресурса,
3. екофизиологија риба,
4. аквакултура
5. екофизиологија пчела

Екологија и фаунистика риба. Резултатима еколошких и фаунистичких истраживања обављених на различитим континенталним и приморским локалитетима (Србија и Црна Гора) припадају радови (59,66,67,68,69,70,76,83,84,93). У овим радовима обрађују се ихтио-фаунистички аспекти (квалитативна и квантитативна структура и карактеристике рибљих заједница) појединих континенталних и приморских акватичних целина, као и одређени еколошки аспекти појединих рибљих таксона (еколошки елементи биологије ретких и угрожених врста и рибље врсте интересантне са аспекта потенцијалног коришћења за потребе аквакутуре). Овде се посебно може издвојити рад под бројем 66, у коме се по први пут бележи смолтификована калифорнијска пастрмка (*Oncorhynchus mykiss*) у нашим водама. Нарочита пажња је посвећена ихтиофауни у плавним зонама Дунава као природним мрестилиштима риба и њеном значају за укупни рибљи фонд у главном току наше највеће реке (59,73). У истраживањима екосистема Дунава, значајан део био је посвећен испитивању јесетарских врста (59,60,78,79). Прелов, изградња брана (79,80,88), загађење и убрзана седиментација довели су до значајног смањења бројности ових економски значајних врста у водама Србије (59,79,80). Радови 78 и 88 баве се праћењем понашања риба акустичном телеметријом и сонарима.

Поред тога, неколико радова обрађује проблематику појаве, ширења и утицаја инвазионих врста риба (66,77,82), глобалног феномена који представља све већи еколошки проблем у водама широм света.

Један рад је посвећен паразитологији риба у отвореним водама Србије (81).

Газдовање, заштита и унапређење рибљих ресурса. Низ радова је посвећен локалним проблемима везаним за управљање и савремено газдовање рибљим ресурсима, критичком анализом одговарајуће законске регулативе и предлозима за побољшање садашњег стања и праксе која се у овој области примењује на нашим водама (59,60,85,86,87,90,91,92,93,94,97,98, 99,100).

Екофизиологија риба. Неколико радова посвећено је презентацији резултата различитих експерименталних истраживања из области екофизиологије риба: (61,62,63,65,75,96), различите концентрације метала и металоида код корморана и његовог плена шарана и бабушке (63), термоадаптивних својства лактатне дехидригеназе пастрмке (65) карактеристикама групног азотног и кисеоничног метаболизма код риба гајених у рециклажним системима (96). Радови под бројевима 61, 62 и 83 се баве електрофизиологијом вида на моделу рибљег ока. При томе кандидат је углавном користио класичну методу електроретинографије. Рад под бројем 75 се бави оштећењем различитих ткива клена (јетре, мишића, шкрга и гонада) ДНК праћена електофорезом појединачних ћелија (комет тест).

Аквакултура. Радови под бројем 70-74 презентују резултате експерименталних и теренских истраживања везаних за различите аспекте екофизиологије и карактеристике интензивне аквакултуре у рециклажним системима за гајење риба, потенцијале природних ресурса за потребе аквакултуре, гајење ретких, ендемичних и угрожених рибљих таксона.

Екофизиологија пчела. У раду 64 дата је сезонска динамика промена протеина и фенола праћена флуоресцентном спектроскопијом

меда пчела третираних против аварое, а у раду 89 дато је раздвајање меда у односу на његово биљно порекло рађено флуоресцентном спектроскопијом, течном хроматографијом под високим притиском и диференцијалном скенирајућом калориметријом.

Стручни радови (елаборати). Стручни радови (елаборати) у чијој изради је учествовао др Мирослав Никчевић обухватају средњорочне програме унапређења рибарства (101).

4. Цитираност

Радови др Мирослава Никчевића цитирани су 160 пута, Хиршов индекс 5 по индексној бази Web of Science.

A survey of European eel Anguilla anguilla (L., 1758) habitats in running waters along the South ...

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Discovery of the goby Neogobius gymnotrachelus in Yugoslav fresh waters...

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Thermal acclimation capacity of the burbot Lota lota L...

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Reproducibility of age determination by scale and vertebra in Pontic shad (Alosa pontica Eichwald, 1838), from the Danube

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Spectral sensitivity of the dogfish shark ...

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5. Руковођење научним радом

Пет најзначајних научних остварења др Мирослава Никчевића:

Nikcevic, M., Mickovic, B., Gacic, Z., Zivadinovic, D. (2017). Thermal sensitivity of white muscle lactate dehydrogenase isolated from a lake trout, (*Salmo trutta*), inhabiting lake Plav, Montenegro, Environmental Biology of Fishes, vol. 100, br. 5, 535-549.

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Visnjic-Jeftic, Z., Lenhardt, M.,Vukov, T.,Gacic Z., Skoric, S., Smederevac-Lalic, M., **Nikcevic M.** (2013). The geometric morphometrics and condition of Pontic shad, *Alosa immaculata* (Pisces: Clupeidae) migrants to the Danube River, Journal of Natural History. 47(15-16): 1121-1128.

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Руковођење пројектима:

Развој високопродуктивне аквакултуре и њене примене у заштити и унапређењу рибљих ресурса. Министарство за науку и заштиту животне средине (2002-2005).

Младица (*Hucho hucho*) – заштита и вештачки узгој (1995 – 1997). САНУ.

2001-2003 Помоћник Савезног секретара за Рад, здравље, социјално старање-руководилац Сектора животне средине

2004-2007 Директор Управе за заштиту животне средине у оквиру Министарства науке и заштите животне средине

2008-2011 Директор Института за мултидисциплинарна истраживања

6. Ангажованост у образовању научних кадрова

У оквиру реализације појединих пројеката, на истраживачким задацима којима је др Мирослав Никчевић руководио као научни сарадник, до сада је урађени и одбрањени једна докторска дисертација, једна магистарска теза.

Јелена Коларевић: ***Магистарска теза*** Биолошки факултет, Универзитет у Београду, 2002

Бранислав Мићковић: *Докторска дисертација* Биолошки факултет, Универзитет у Београду, 2009

7. Међународна сарадња

2000 1. Гостујући истраживач на: The Department of Anatomy & Neurobiology, Faculty of Medicine,
Dalhousie University, Halifax, Canada

1998 2. Гостујући истраживач на: The Department of Genetics, Development and Molecular Biology, Aristotle University, Солун, Грчка

1986 3. Гостујући истраживач у лабораторији за Аквакултуру Biologische Anstalt Helgoland, Hamburg, Немачка

8. Закључак и предлог

Укупан научно-истраживачки рад др Мирослав Никчевића показује да је он већ признати научни радник и Комисија са задовољством констатује да је имала прилику да анализира солидан научни допринос једног истраживача чији су резултати објављени у квалитетним и реномираним међународним, али и домаћим научним часописима, саопштени на научним скуповима у земљи и иностранству и запажени у научној јавности.

Треба истаћи да је, поред резултата које је др Мирослав Никчевић остварио као истраживач и научни радник, веома значајна и његова активност која је везана за популаризацију и едукацију шире јавности у области ихтиологије и заштите животне средине, посебно вода.

Ценећи научни допринос кандидата и критеријуме у Правилнику о поступку и начину вредновања научноистраживачких резултата Министарства науке, Комисија предлаже Научном већу Институту за мултидисциплинарна истраживања да прихвати овај реферат и ***реизабере др Мирослава Никчевића*** у научно звање ***виши научни сарадник.***

Београд, 29. 01.2021. године

Чланови комисије

др Зоран Гачић

научни саветник
Институт за мултидисциплинарна истраживања

др Мирјана Ленхардт,
научни саветник

Институт за биолошка истраживања «Синиша Станковић»

др Александар Хегедиш
научни саветник
Институт за мултидисциплинарна истраживања

МИНИМАЛНИ КВАНТИТАТИВНИ ЗАХТЕВИ ЗА СТИЦАЊЕ ПОЈЕДИНАЧНИХ НАУЧНИХ ЗВАЊА

Категорија радова	Потребан минимум за звање виши научни сарадник	Остварено после избора у звање виши научни сарадник
Укупно	50	76,1
M10+M20+M31+M32+M33 +M41+M42+M90	40	54,1
M11+M12+M21+M22+M23	30	32