



Научно-стручно веће за природно-математичке науке

**Предмет:** Образац о испуњавању услова за избор у звање наставника

**Област:** Остале области

**Звање:** Редовни професор

Име и презиме

**Александар Настић**

Датум рођења

**08.04.1978.**

Назив и седиште установе/организације у којој је кандидат запослен

**Универзитет у Нишу, Природно-математички факултет**

Радно место

**Ванредни професор**

Датум расписивања конкурса

**26.02.2020.**

Начин (место) објављивања

**Лист „Послови“ Националне службе за запошљавање Републике Србије, број 870, од 26.02.2020. године.**

Звање за које је расписан конкурс

**Редовни професор или ванредни професор за ужу научну област Математика.**

Звање за које кандидат конкурише (заокружити одговарајућу опцију):

1. Доцент
2. Доцент или ванредни професор
3. Ванредни професор
4. Ванредни професор или редовни професор
- 5. Редовни професор**

Ужа научна област

**Математика**

1. Испуњени услови за избор у звање ванредни професор

(навести датум и број Одлуке о избору у звање наставника, као и назив органа који је донео)

**Одлука о избору у звање ванредни професор, 22.09.2015. НСВ број 8/17-01-009/15-006, Научно-стручно веће за природно-математичке науке Универзитета у Нишу.**

2. позитивна оцена педагошког рада која се утврђује у складу са чланом 13. Правилника о поступку стицања звања и заснивања радног односа наставника Универзитета у Нишу (навести број и датум утврђене оцене)

**Биће достављена са извештајем комисије.**

3. Остварене активности бар у четири елемента доприноса широј академској заједници из члана 4. Ближих критеријума за избор у звања наставника

**1) Подржавање ваннаставних активности студената.**

- Учешће у манифестацији „Математика у мају“ одржаним предавањима на Природно-математичком факултету у Нишу, 29. и 31. маја 2018. године.

**2) Учешће у наставним активностима које не носе ЕСПБ бодове.**

- од 01.09. 2009. до 31. 08. 2013. године, изводио сам наставу из предмета Математика 1 и Математика 4 у специјализованим одељењима за талентоване ученике из физике, Гимназије „Светозар Марковић“ у Нишу

**3) Учешће у унапређењу наставе.**

- Самостално сам дефинисао и написао комплетне силабусе и садржаје предмета, који се реализују у оквиру студијских програма текућег циклуса акредитације Природно-математичког факултета у Нишу и то на Мастер академским студијама за предмете: Мултиваријациона анализа, Теорија узорака и планирање експеримената, Регресиона анализа у финансијама, Економетрија, а на Докторским академским студијама за предмете: Регресиона анализа, Методе статистичке анализе.

**4) Учешће у раду тела факултета и универзитета.**

- Члан Наставно-Научног већа Природно-математичког факултета у Нишу од јануара 2018. до октобра 2019.
- Члан Комисије за обезбеђење квалитета Департмана за математику Природно-математичког факултета у Нишу, од 23.10.2013. до 22.10.2019. године.
- Члан Комисије за обезбеђење квалитета Природно-математичког факултета у Нишу, од 23.10.2013. до 22.10.2019. године.
- Члан Већа Центра за унапређење квалитета Универзитета у Нишу од 24.03.2014. до 26. 12. 2019. године.

**5) Руковођење активностима на факултету и универзитету.**

- Управник Департмана за математику Природно-математичког факултета у Нишу од 01.07.2018. до 01.10.2019. године.
- Председник Комисије за обезбеђење квалитета Департмана за математику Природно-математичког факултета у Нишу, од 23.10.2013. до 22.10.2019. године.

**6) Допринос активностима које побољшавају углед и статус факултета и универзитета.**

- Учешће у раду Комисије за промоцију Департмана за математику 2018. и 2019. године.
- Члан Српског научног математичког друштва (СНМД), од оснивања.
- Члан уређивачког одбора научног часописа ProbStat Forum, (ISSN 0974-3235, <http://probststat.org.in/> ), од 2014. године.
- Члан уређивачког одбора научног часописа FILOMAT, који издаје Природно-математички факултет у Нишу.
- Члан уређивачког одбора научног часописа Facta Universitatis, Series: Mathematics and Informatics, који издаје Универзитет у Нишу.

**7) Успешно извршавање задужења везаних за наставу, менторство, професионалне активности намењене као допринос локалној или широј заједници.**

- На Природно-математичком факултету у Нишу, ангажован сам као предметни наставник на **Основним академским студијама** за предмете Статистичко моделирање, Математичка статистика (департман за рачунарске науке), на **Мастер академским студијама** за предмете: Мултиваријациона анализа (Обавезни предмет), Теорија узорака и планирање експеримената, Регресиона анализа у финансијама, Економетрија, а на **Докторским академским студијама** за предмете: Регресиона анализа, Методе статистичке анализе, Одабрана поглавља из статистике.
- Од 2004 до 2012 године на Природно-математичком факултету у Нишу, био сам ангажован као асистент за извођење вежби из **10 предмета**: Математичка статистика, Статистичко моделирање, Пословна информатика, Интегрисани програмски пакети, Рачунарство и информатика, Теорија одлучивања, Мултиваријациона анализа, Временски низови у економији, Статистички пакети у економији, Временски низови.
- У школској 2018-2019. години, на **Факултету Заштите на раду** Универзитета у Нишу, ангажован сам као наставник на предмету Математичка статистика у заштити, на Основним академским студијама и предмету Одабрана поглавља математике, на Докторским академским студијама.
- У школској 2019-2020. години, на **Агрономском факултету** у Чачку Универзитета у Крагујевцу,

ангажован сам као наставник на обавезном предмету Статистика на Основним академским студијама и на обавезном предмету Експериментална статистика, на Докторским академским студијама.

- У оквиру **Докторске школе математике** ангажован сам на извођењу наставе и испита из предмета Математичка статистика.
- Од 2016 до данас био сам ментор 12 одбрањених мастер радова, а сада сам ментор 4 мастер тезе, који су тренутно у процесу израде.
- Ментор сам једне (одобрене за израду) **докторске дисертације**. (одлука НСВ број 8/17-01-004/19-005, у Нишу, од 13.05.2019. године)
- Учешће у реализацији активности у оквиру студијског **модула за целоживотно образовање** из Примењене статистике. С тим у вези, одржао сам два предавања: „Увод у линеарне регресионе моделе“ и „Линеарна регресија у пракси“ чије се презентације налазе на веб адреси: <http://stat.uns.ac.rs/LLLprogramme/ProgrammeNis.html>. Преглед додатних ангажовања на поменутом модулу за целоживотно учење налази се на веб адреси: [http://stat.uns.ac.rs/LLLprogramme/Nis/Studijski modul za celozivotno ucenje.pdf](http://stat.uns.ac.rs/LLLprogramme/Nis/Studijski%20modul%20za%20celozivotno%20ucenje.pdf)
- Од 2004 до 2017. године, односно постојања исте, **пружање консултативних услуга** локалној и академској заједници учешћем у раду Статистичке радионице Института за математику Природно-математичког факултета у Нишу. Веб сајт статистичке радионице (<http://tesla.pmf.ni.ac.rs/statRadionica.htm>).

### 8) Рецензирање радова и оцењивање радова и пројеката.

- Рецензент великог броја радова међународних научних часописа: Advances in Difference Equations, Annals of Data Science, Communications in Statistics: Case Studies and Data Analysis, Communications in Statistics: Theory and Methods, Communications in Statistics: Simulations and Computations, Facta Universitatis-Series: Mathematics and Informatics, Filomat, Iranian Journal of Science and Technology, Journal of Applied Mathematics, Journal of Applied Statistics, Journal of Computational and Applied Mathematics, ProbStat Forum, Statistica Neerlandica, Statistical Papers, Statistics and Probability Letters, Journal of Statistical Planning and Inference.
- Рецензирање књига и одломака монографија:
  - Збирка решених задатака за 7. и 8. разред с такмичења “Кенгур без граница” одржаних од 1998. до 2017. Године. Аутори Др Драган Стевановић, Ђорђе Стевановић, издавач Друштво математичара Србије, Београд 2108. ИСБН: 978-86-6447-006-3.
  - Уџбеник: „Вероватноћа и статистика у Биологији-Уџбеник са задацима“. Аутори Марија Крстић, Миљана Јовановић, издавач ПМФ у Нишу, 2018.
  - Одломак Монографије: “On generalized derivative sampling series expansion”. Аутори Zurab A. Piranashvili, Tibor K. Pogany, 17.02.2018. уредник Љубиша Кочицац.
- Тренутно сам ангажован као рецензент Националног Савета за Високо Образовање, односно НАТ-а, а у поступку акредитација Високо школских установа.

### 9) Организација и вођење локалних, регионалних, националних и међународних стручних и научних конференција и скупова.

- Члан организационог одбора међународног научног скупа „XIII Српски математички конгрес, СМК 2014. ([http://tesla.pmf.ni.ac.rs/people/smak/committee sr.php#pos](http://tesla.pmf.ni.ac.rs/people/smak/committee_sr.php#pos))

### 10) Остали видови доприноса академској и широј заједници.

- Усавршавања на међународним семинарима и курсевима:
  - EC Biomathematics Summer School: “Parameter Estimation in Physiological models”, од 13.09.2009 – 26.09.2009. Липари, Италија, у организацији: European Commission and Marie Curie Actions.
  - Regular and rapid variation and applications, 08.09.2014.-13.09.2014. Врњачка Бања, Србија, у организацији: DAAD Project, Center of Excellence for Applications of Mathematics.
  - MATHDebate-Searching Excellence in Math Education through Increasing the Motivation for Learning, Republic of Macedonia, 01.07.2018.-03.07.2018, Охрид, Република Македонија, у организацији: Sojuz na istrazhuvachi na Makedonija-SIM Skopje.
  - Virtual Learning Environment in University Laboratory Classes, 10.04.2019.-24.04.2019. Универзитет у Нишу, Природно-математички факултет, у организацији: Centre for Professional Development and NETCHEM project.
- Члан Издавачког одбора Природно-математичког факултета у Нишу од 01.07.2018 до 01.10.2019. године.

4. Менторство или коменторство бар једне докторске дисертације

**Одлуком Научно-стручног већа за природно-математичке науке Универзитета у Нишу, НСВ број 8/17-01-004/19-005, од 13.05.2019. године, именован сам за ментора за израду докторске дисертације Петре Лакете под називом „Ненегативни целобројни ауторегресивни процеси у случајној средини генерисани геометријским бројачким низовима“.**

4. замена: Један научни рад у часопису категорије М21 или М22, или један уџбеник или једна монографија (рад, уџбеник и монографија се не рачунају у ставовима 6., 8. и 9. )

5. Остварени резултати у развоју научно-наставног подмлатка, и то у барем једном од следећих елемената: учешћем у комисијама за одбрану докторске дисертације, магистарске тезе или мастер рада, држањем наставе на докторским студијама, држањем припрема студената за студентска такмичења, учешћем у завршним радовима на специјалистичким и мастер студијама и слично

- **Менторство 12 успешно одбрањених мастер радова, као и тренутно руковођење израдом 4 мастер тезе које су у процесу реализације.**
- **Члан комисија за одбрану преко 20 мастер радова.**
- **Члан комисија за оцену и одбрану следеће 3 докторске дисертације, одбрањене на Универзитету у Нишу, Природно-математички факултет:**
  - Ана Милетић Илић - „Временски низови са ненегативним целобројним вредностима генерисани зависним бројачким низовима“, 2014.
  - Предраг Поповић - „Моделовање димензионалних временских низова са ненегативним целобројним коефицијентима“, 2015.
  - Миодраг Ђорђевић - „Допринос анализи временских низова са целобројним вредностима“, 2016.
- **Менторство за израду докторске дисертације Петре Лакете под називом „Ненегативни целобројни ауторегресивни процеси у случајној средини генерисани геометријским бројачким низовима“.**
- **Менторство студента - докторанда Богдана Пирковића са Природно-математичког факултета у Крагујевцу а у оквиру Докторске школе математике.**
- **Наставник на предметима: Регресиона анализа, Методе статистичке анализе, Одабрана поглавља математичке статистике, на Докторским академским студијама Департмана за математику.**
- **Наставник на предмету Математичка статистика, на Докторској школи математике, модул Математичка анализа.**
- **У школској 2018-2019. години наставник на предмету Одабрана поглавља математике, на Докторским академским студијама Факултета Заштите на раду, Универзитета у Нишу.**
- **У школској 2019-2020. години. наставник на обавезном предмету Експериментална статистика, на Докторским академским студијама Агронског факултета у Чачку, Универзитета у Крагујевцу.**

6. Од избора у претходно звање објављен уџбеник или монографија из уже научне области за коју се бира

**Уџбеник: Александар С. Настић, Мирослав М.Ристић, Теорија Одлучивања, Универзитет у Нишу, Природно-математички факултет, Ниш, 2018.**

7. Учешће у међународним или домаћим научним пројектима

**Као истраживач сам учествовао и учествујем у реализацији следећих научно-истраживачких пројеката Министарства просвете, науке и технолошког развоја Републике Србије:**

- 1) Дискретни и непрекидни стохастички модели са применама (број 1834, носилац Математички институт, САНУ, Београд), 01.04.2003.-31.08.2003.**
- 2) Нумеричка линеарна алгебра, стохастика и статистика са применама (број 144025, носилац Природно-математички факултет у Новом Саду), 2006-2010.**
- 3) Развој метода израчунавања и процесирања информација: теорија и примене (број 174013,**

**Као и међународних пројеката:**

- 4) ТЕМПУС пројекат Европске уније 511140 – TEMPUS –JPCR “Master programme in Applied Statistics – MAS”, 2010-2013.
- 5) Учесник у оквиру Еразмус пројекта: Enhancement of HE Research Potential Contributing to Further Growth of the WB Region Re@WBC, Meeting within activity 2.8 Ethical committee procedures improved Enhancing of ethical committees (EC) through legislative improvements and trainings Event Date: 10-11 November 2016 Event Venue: Faculty of Engineering, University of Kragujevac,
- 6) Учесник Еразмус пројекта: Certificate of Attendance to Multiplier Event: “MATHDebate: promotion of the project activities” Erasmus +, Held in Ohrid 03.07.2018.
- 7) Од 2019 ангажован сам активностима у оквиру реализације прЕразмус пројекта TeComp, Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences. Erasmus+ Project Reference: 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP.

8. У последњих пет година најмање један рад објављен у часопису који издаје Универзитет у Нишу или факултет Универзитета у Нишу или са SCI листе, у којем је првопотписани аутор

**A. S. Nastić, M. M. Ristić, Ana D. Janjić (2017) A mixed thinning based geometric INAR(1) model, Filomat, вол. 31, бр. 13, стр. 4009–4022. (M22, IF= 0.789)**  
<https://doi.org/10.2298/FIL1713009N>

9. Најмање 18 поена остварених објављивањем научних радова у часописима категорија M21, M22, M23, у складу са начином бодовања Министарства просвете, науке и технолошког развоја Републике Србије, с тим што бар на једном раду кандидат мора бити првопотписани аутор (навести податке о научним радовима, DOI бројеве)

**Од избора у претходно звање, остварио сам 35 поена објављивањем 8 научних радова у часописима категорија M21, M22, M23:**

- 8) P. M. Popović, P. N. Laketa, **A. S. Nastić** (2019) Forecasting with two generalized integer-valued autoregressive processes of order one in the mutual random environment, SORT Statistics and Operations Research Transactions, вол. 43, бр.2, стр. 355–384. DOI: 10.2436/20.8080.02.92 (M22, IF=1.125)  
<https://www.idescat.cat/sort/sort432/43.2.8.popovic-etal.pdf>
- 7) M. M. Ristić, M. Bourguignon, **A. S. Nastić** (2019) Zero-Inflated NGINAR(1) process, Communications in Statistics - Theory and Methods, вол. 48, бр. 3, стр. 726-741. (M23, IF =0.424)  
<https://doi.org/10.1080/03610926.2018.1435808>
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9. замена: Један рад се замењује оствареним резултатом категорије M91

10. Најмање шест излагања на међународним или домаћим научним скуповима (копије радова из Зборника радова скупа или потврде организатора скупа да су радови презентовани)

**Укупно 18 излагања на научним скуповима, од чега 13 излагања на међународним научним скуповима:**

**13) A. S. Nastić, P.N. Laketa, M. M. Ristić, (2019) On Random Environment Integer-Valued Autoregressive Process, Applied Statistics 2019 - 16<sup>th</sup> International Conference, September 22-25, 2019, Ribno (Bled), Slovenia.**  
[http://conferences.nib.si/AS2019/.](http://conferences.nib.si/AS2019/)

**12) A. S. Nastić, P.N. Laketa, M. M. Ristić (2018) ON RANDOM ENVIRONMENT INAR MODELS OF HIGHER AND VARIABLE ORDER, International Conference: Algebra and Analysis with Application, July, 1-4 2018, Ohrid, Republic of Macedonia.**

**11) A. S. Nastić, M. M. Ristić, M.S. Đorđević (2018) APPLICATION OF INAR MODEL WITH DISCRETE LAPLACE MARGINAL DISTRIBUTION, International Conference: Algebra and Analysis with Application, July, 1-4 2018, Ohrid, Republic of Macedonia.**

**10) M. M. Ristić, A. S. Nastić, M.S. Đorđević (2018) New estimators for the parameters of the SDLINAR(1) model, XIV Sebian Mathematical Congress, May 16–19, 2018, Kragujevac, Serbia, ISBN 978-86-6009-055-5.**  
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11. Najmaње deset citata naučnih radova kandidata u drugim naučnim radovima objavljenim u naučnim časopisima kategorija M21, M22, M23 (izuzimajući autoцитате и цитате сарадника, односно коцитате)

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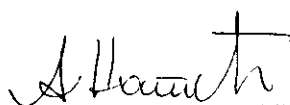
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Потпис кандидата: \_\_\_\_\_



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