



Научно-стручно веће за природно-математичке науке

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

**Област:** Остале области

**Звање:** Доцент

Име и презиме

Анђелка Хедрих

Датум рођења

21.10.1978.

Назив и седиште установе/организације у којој је кандидат запослен

МИ САНУ, Београд

Радно место

Истраживач сарадник

Датум расписивања конкурса

6.12.2017.

Начин (место) објављивања

У Новостима и на сајту Универзитета у Нишу: <https://www.ni.ac.rs/novosti-i-dogadjaji/vesti/konkurs-za-zaposljavanje-nastavnika-i-saradnika-za-pocetak-rada-poljoprivrednog-fakulteta-u-nisu>

Звање за које је расписан конкурс

Доцент

Ужа научна област

Биологија и микробиологија

1. Докторат наука из уже научне области за коју се бира (назив докторске дисертације, ужа научна област, година и место одбране) „Осцилаторно понашање *Zona-e Pelucida-e* миша пре и после оплодње“, биологија, Биомедицинско инжењерство и технологије, 12.09.2016., Универзитет у Београду.
2. Приступно предавање из уже научне области за коју се бира, позитивно оцењено од стране високошколске установе која је објавила конкурс (навести број и датум утврђене оцене)
3. Позитивна оцена педагошког рада утврђена у складу са чланом 13. Правилника о поступку стицања звања и заснивања радног односа наставника Универзитета у Нишу, осим ако се бира први пут у наставничко звање (навести број и датум утврђене оцене)
4. Остварене активности бар у два елемента доприноса широј академској заједници из члана 4. Ближих критеријума за избор у звања наставника, осим ако се бира први пут у наставничко звање

5. 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

**Andjelka Hedrih**, Aleksandra Stanković, Bojana Stamenkovoć Influence of repetitive microtrauma on pathogenesis and progression of hand and neck osteoarthritis. **Facta Universitatis. Medicine and Biology**. 2005, 12:179-184.

**Монографска студија/поглавље у књизи M12 или рад у тематском зборнику међународног значаја M14**

Andjelka N. Hedrih, Katica R. (Stevanović) Hedrih. Modeling Double DNA Helix Main Chains of the Free and Forced Fractional Order Vibrations. Ch 7 In: **Advanced Topics on Applications of Fractional Calculus on Control Problems, System Stability and Modeling** (eds: Mihailo Lazarevic, Nikos Mastorakis. 2014, pp. 145-183. and Appendix E pp. 192-200. (укупно 58 страна). WSEAS Press. **ISBN**: 978-960-474-348-3.

**Рад у врхунском међународном часопису M21**

**Andjelka Hedrih**; Milan Banic. The effect of friction and impact angle on the spermatozoa - oocyte local contact dynamics. **Journal of Theoretical Biology**. 2016, 393:32-42. M21 **IF** (2014): **2,116** accepted on December 17<sup>th</sup> 2015

**ISSN**: 0022-5193 Academic Press, ELSEVIER <http://dx.doi.org/10.1016/j.jtbi.2015.12.031>  
<http://jvc.sagepub.com/content/early/2014/03/18/1077546314525984.abstract>

**Рад у истакнутом међународном часопису M22**

**Andjelka Hedrih**, Mihailo Lazarevic, Ana Mitrovic- Jovanovic. Influence of sperm impact Angle on successful fertilization through mZP oscillatory spherical net model, **Computers in Biology and Medicine**. 2015, 59:19-29. DOI information: 10.1016/j.compbiomed.2015.01.009.

<http://dx.doi.org/10.1016/j.compbiomed.2015.01.009>. M22, **IF**(2015) **1,521**

<http://authors.elsevier.com/sd/article/S0010482515000268>

**ISSN**:0010-4825, Pergamon

**Међународни часописи M23**

**Andjelka Hedrih**, Vladimir Hedrih. Attitudes and motives of potential sperm donors in Serbia, (Stavovi i motivi potencijalnih davalaca sperme u Srbiji). *Vojnosanitetski Pregled*, 2012, 69(1):49-57. UDC: 159.923::159.947.5]:618.177-089.888.11. **YU ISSN** 0042-8450 M23, **IF**(2012): 0,210.

IZDAVAC: Vojno medicinska akademija, Institut za naucne informacije

6. У последњих пет година остварених најмање 6 поена објављивањем научних радова у часописима категорија M21, M22, или M23, у складу са начином бодовања Министарства просвете, науке и технолошког развоја Републике Србије, при чему бар на једном раду кандидат мора бити првопотписани аутор (навести податке о научним радовима, DOI бројеве)

## **Рад у врхунском међународном часопису M21**

Katica R. (Stevanović), Hedrih & **Andjelka N. Hedrih**. Phenomenological mapping and dynamical absorptions in chain systems with multiple degrees of freedom. **Journal of Vibration and Control**. Online First Version of Record - Mar 19, 2014 DOI: 10.1177/1077546314525984. 2016, 22(1):18–36. IF (2015): 1.643 M21.

**ISSN:** 1077-5463 Sage Science Press (UK) Subsidiary of: Sage Publications, Inc

**Andjelka Hedrih;** Milan Banic. The effect of friction and impact angle on the spermatozoa - oocyte local contact dynamics. **Journal of Theoretical Biology**. 2016, 393:32–42. M21 **IF** (2014): **2,116** accepted on December 17<sup>th</sup> 2015

**ISSN:** 0022-5193 Academic Press, ELSEVIER. <http://dx.doi.org/10.1016/j.jtbi.2015.12.031>  
<http://jvc.sagepub.com/content/early/2014/03/18/1077546314525984.abstract>

## **Рад у истакнутом међународном часопису M22**

**Andjelka Hedrih**, Mihailo Lazarevic, Ana Mitrovic- Jovanovic. Influence of sperm impact Angle on successful fertilization through mZP oscillatory spherical net model, **Computers in Biology and Medicine**. 2015, 59:19–29. DOI information: 10.1016/j.compbiomed.2015.01.009.

<http://dx.doi.org/10.1016/j.compbiomed.2015.01.009>. M22, **IF**(2015) **1,521**

<http://authors.elsevier.com/sd/article/S0010482515000268>

**ISSN:**0010-4825, Pergamon

## **Међународни часописи M23**

**Andjelka Hedrih**, Vladimir Hedrih. Attitudes and motives of potential sperm donors in Serbia, (Stavovi i motivi potencijalnih davalaca sperme u Srbiji). *Vojnosanitetski Pregled*, 2012, 69(1):49-57. UDC: 159.923::159.947.5]:618.177-089.888.11. **YU ISSN** 0042-8450 M23, IF(2012): 0,210. IZDAVAC: Vojno medicinska akademija, Institut za naucne informacije

7. Најмање једно излагање на међународном или домаћем научном скупу (копија рада из Зборника радова скупа или потврда организатора скупа да је рад презентован)

## **Саопштење са међународног скупа штампано у целини M33**

1. Andjelka N. Hedrih, Katica (Stevanović) Hedrih. Resonance as potential mechanism for homolog chromosomes separation trough biomechanical oscillatory model of mitotic spindle. Proceedings (Elektronski izvor) The 6th International Congress of Serbian Society of Mechanics, Mountain Tara, Serbia, June 19-21, 2017. Edited by Mihailo P. Lazarevic et al. Minisimposia-Bioengineering (M3), pp. 1-10. Belgrade: Serbian Society of Mechanics: Faculty of Mechanical Engineering, University of Belgrade, 2017 (Arandelovac: Đurđevdan) -1 USB fleš memorija 9x5 cm (u obliku kartice). ISBN: 978-86-909973-6-7. COBISS.SR-ID 237139468
2. Anđelka Hedrih, Katica (Stevanovic) Hedrih. [Influence of mass chromosome distribution in equatorial plane on oscillatory energy of mitotic spindle trough biomechanical oscillatory model of mitotic spindle](#). 14th INTERNATIONAL CONFERENCE Dynamical Systems - Theory and Applications December 11-14, 2017. Lodz, POLAND. -DSTA 2017 Lodz, Poland. [www.dys-ta.com/abstracts/2017](http://www.dys-ta.com/abstracts/2017). I paper id: LIF85 10 pp.[https://www.dys-ta.com/abstracts/2017\\_in\\_press](https://www.dys-ta.com/abstracts/2017_in_press)
3. **Andjelka N. Hedrih**, Katica R. (Stevanovic) Hedrih. Deformation work of Zona Pelucida in process of fertilization. 13<sup>th</sup> International Conference on Dynamical Systems – Theory and Applications, Proceedings-Mechatronics and Life Sciences, **DSTA** Lody 2015, Edited by J.A. Awrejcewicz, M. Kazmierczak, J. Mrozowski, P. Olejnik, Lodz, December 7-10, 2015, Poland, **ISBN** 978-83-7283-707-3, Department of Automation, Biomechanics and Mechatronics, Lodz, , pp. 217-226.
4. **Andjelka Hedrih**. Transition in oscillatory behavior in mouse oocyte and mouse embryo trough oscillatory spherical net model of mouse Zona Pellucida" ch in **Applied Non-Linear Dynamical Systems, Springer Proceedings in Mathematics & Statistics** (ed: J. Awrejcewicz), 2014, Vol 93, pp. 295-303. **Springer** International Publishing Switzerland 2014 DOI 10.1007/978-3-319-08266-0\_\_21.

**ISBN:** 978-3-319-08265-3 (Print) 978-3-319-08266-0 (Online)  
<http://link.springer.com/book/10.1007/978-3-319-08266-0/page/2>

5. **Andjelka Hedrih**. Modeling oscillations of zona pelucida before and after fertilization. **Young Scientist Prize Paper. EUROMECH Newsletter 40**, December 2011, European Mechanics Society, 40, pp. 6-14.
6. Ljubiša Jovasevic, **Andjelka Hedrih** The Organization of Recreational and Contest Activities for Disabled Persons. Proceedings of Annual conference of University of Russe, October 28-29 th, Ruse, Bulgaria, 2011, НАУЧНИ ТРУДОВЕ НА РУСЕНСКИЯ УНИВЕРСИТЕТ – 2011, том 50, серия 8.1 pp:74-76. ИЗДАТЕЛСКИ ЦЕНТЪР при Русенски университет "Ангел Кънчев" ЕД проф. Д-р Ангел Смикаров. **ISSN 1311-3321** first on line: <http://conf.uni-ruse.bg/bg/?cmd=dPage&pid=proc11-8.1>
7. **Andjelka Hedrih**, Vladimir Hedrih. Attitudes and motives of potential sperm donors in Novi Pazar region of Serbia. Proceedings of Annual conference of University of Russe, October 28-29 th, Ruse, Bulgaria, 2011, НАУЧНИ ТРУДОВЕ НА РУСЕНСКИЯ УНИВЕРСИТЕТ – 2011, том 50, серия 8.1. pp:69-73. ИЗДАТЕЛСКИ ЦЕНТЪР при Русенски университет "Ангел Кънчев" ЕД проф. Д-р Ангел Смикаров. **ISSN 1311-3321** first on line: <http://conf.uni-ruse.bg/bg/?cmd=dPage&pid=proc11-8.1>
8. Vladimir Hedrih. **Andjelka Hedrih**. Personality Traits and Sperm Donor Related Attitudes of Potential Sperm Donors in the Novi Pazar Region of Serbia. Proceedings of Annual conference of University of Russe, October 28-29 th, Ruse, Bulgaria, 2011, НАУЧНИ ТРУДОВЕ НА РУСЕНСКИЯ УНИВЕРСИТЕТ – 2011, том 50, серия 8.1. **pp:77-82**. ИЗДАТЕЛСКИ ЦЕНТЪР при Русенски университет "Ангел Кънчев" ЕД проф. Д-р Ангел Смикаров. **ISSN 1311-3321** first on line: <http://conf.uni-ruse.bg/bg/?cmd=dPage&pid=proc11-8.1>
9. Hedrih (Stevanović) Katica and **Hedrih Andjelka**. Considering vibrations of the double DNA main chains by using two models: Hereditar and fractional order model, 10<sup>th</sup> Conference on Dynamical Systems – Theory and Applications, Proceedings, **DSTA Lody 2009**, Edited by J.A. Awrejcewicy, M. Kazmierczak, P. Olejnik, J. Mrozowski, Lodz, December 7-10, 2009, Poland, **ISBN 978-83-929120-4-0**, Department for Automatic and Biomechanics, Lodz, Vol. II, pp. 829-838.
10. Hedrih (Stevanović) Katica and **Hedrih Andjelka**. Considering Vibrations of the Double DNA Main Chains Via a Model with Hereditary Properties, IFAC Ohrid 2009. A Preprints Volume from the 6<sup>th</sup> IFAC Workshop DECOM-09, Hotel Metropol Resort, Ohrid, Republic of Macedonia, September, 26–29 2009. Published for THE INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL By The Society for Electronics, Telecommunications, Automation, and Informatics (ETAI), Macedonian NMO to the IFAC Skopje, 2009, **CD –2009, pp. 341-346**.
11. Katica (Stevanovic) Hedrih, **Andjelka N. Hedrih**. Transfer of energy of oscillations through the double DNA chain helix. **7<sup>th</sup> EUROMECH Solid Mechanics Conference**, Lisbon, Portugal, September 7-11, 2009, MS-24, Kinetics, Control and Vibrorheology KINCONVIB- 2009: 121-135.

#### Саопштење са меѓународног скупа штампано у изводу М34

1. Andjelka N. Hedrih, Katica (Stevanović) Hedrih. Resonance as potential mechanism for homolog chromosomes separation trough biomechanical oscillatory model of mitotic spindle. **6<sup>th</sup> International Congress of Serbian Society of Mechanics, Mountain Tara, Serbia, June 19-21, 2017**. Minisimposia-Bioengineering. (M3), M3c, pp.162.
2. Anđelka Hedrih, Katica (Stevanovic) Hedrih. Analysis of oscillatory motions of chromosomes during anaphase using biomechanical oscillatory model of mitotic spindle. **ENOC- 2017. 9<sup>th</sup> European Nonlinear Dynamics Conference, 25-30 June, 2017. Budapest, Hungary**, [www.congressline.hu/enoc2017](http://www.congressline.hu/enoc2017). **ID.372**. <http://congressline.hu/enoc2017/abstracts.php?page=10>  
**ISBN 978-963-12-9168-1**
3. Anđelka Hedrih, Katica (Stevanovic) Hedrih. Influence of mass chromosome distribution in equatorial plane on oscillatory energy of mitotic spindle trough biomechanical oscillatory model of mitotic spindle. 14<sup>th</sup> INTERNATIONAL CONFERENCE Dynamical Systems - Theory and Applications December 11-14, 2017. Lodz, POLAND. -DSTA 2017 Lodz, Poland. [www.dys-ta.com/abstracts/2017](http://www.dys-ta.com/abstracts/2017). I paper id: LIF85 <https://www.dys-ta.com/abstracts/2017>
4. **Andjelka N. Hedrih**. Zona pelucida as a mechano-responsive polymer, Short Paper, Abstract book of 24<sup>rd</sup> **International Congress of Theoretical and Applied Mechanics**, (IUTAM ICTAM Montreal, 2016), 21-26 August 2016, Montreal , Canada, SM01—1.07.198. pp.1719-1720. **ISBN: NR16-127/2016E-E PUB**, Catalogue Number: 978-0-660-05459-9
5. **Andjelka N. Hedrih**, Katica R. (Stevanovic) Hedrih. Deformation work of Zona Pelucida in process of fertilization. **13<sup>th</sup> International Conference on Dynamical Systems – Theory and Applications, DSTA Lody 2015, Abstracts**, Edited by J.A. Awrejcewicy, M. Kazmierczak, J. Mrozowski, P. Olejnik, Lodz, December

7-10, 2015, Poland, **ISBN** 978-83-7283-705-9, Department of Automation, Biomechanics and Mechatronics, Lodz, , pp. 147. LIF223.

6. Julijana Simonovic, **Andjelka Hedrih**. Synchronization in oscillatory model of embryo's ZP molecules in context of polyspermy block, MS13-1: Nonlinear Dynamics in Biological Systems, [8<sup>th</sup> European Nonlinear Dynamics Conference](#) – **ENOC 2014**, July 6-11, 2014, Vienna, Austria, Electronic USB Proceedings. pp. 2 strane.
7. Katica (Stevanovic) Hedrih, **Andjelka N Hedrih**. Petrović's theory of elements of mathematical phenomenology and phenomenological mapping applied to system nonlinear dynamics, MS09-6: Nonlinear Dynamics of Structural and Machine Elements, [8<sup>th</sup> European Nonlinear Dynamics Conference](#) – **ENOC 2014**, July 6-11, 2014, Vienna, Austria, Electronic USB Proceedings. pp. 2 strane.
8. Katica R. (Stevanović) Hedrih, Julijana Simonović, Ana Ivanović-Šašić, Ljiljana Kolar-Anić, Željko Čupić, **Andjelka N. Hedrih**, (2014), Elements of mathematical phenomenology and qualitative /mathematical analogies on the basis of generalized Lissajous curves, GT-5: General Track, [8<sup>th</sup> European Nonlinear Dynamics Conference](#) – **ENOC 2014**, July 6-11, 2014, Vienna, Austria, Electronic USB Proceedings. pp. 2 strane.
9. **Hedrih Andjelka**, Lazarevic Mihailo, Mitrovic-Jovanovic Ana. Parametric Frequency Analysis of Oscillatory Behaviour of Mouse Zona Pellucida Spherical Net Model: Case Successful and Unsuccessful Fertilization. 84<sup>th</sup> Annual Meeting of the International Association of Applied Mathematics and Mechanics-GAMM 2013 (Gesellschaft für Angewandte Mathematik und Mechanik), Novi Sad, Serbia, March 18-22, 2013, Contributed section-Biomechanics S2.4. **Proceedings in Applied Mathematics and Mechanics / PAMM Proc. Applied Mathematics and Mechanics, 2013, 13:53–54. DOI 10.1002/pamm.201310022: <http://onlinelibrary.wiley.com/doi/10.1002/pamm.v13.1/issuetoc> ISSN 1617-7061.**
10. **Hedrih Andjelka**. Transition in oscillatory behavior in mouse oocyte and mouse embryo trough oscillatory spherical net model of mouse Zona Pellucida. Abstracts of 12<sup>th</sup> **Conference on Dynamical Systems – Theory and Applications**, December 2-5, 2013 Łódź, Poland. LIF 138. Pp. 89. <http://www.dys-ta.com/abstracts>
11. **Hedrih Andjelka**, Olivera. Milosevic-Djordjevic, Stevo Najman, Sanja Stojanovic. Spontaneous Chromosomal Instability Related to Aging and Gender. Abstract book /Molecular Life Sciences 2013, International Symposium of the German Society for Biochemistry and Molecular Biology (GBM). 3-6<sup>th</sup> Oct. Frankfurt an Main, Germany. FTP36, pp.46. **ISBN**-Nr. 978-3-9816002-4-7.
12. Tatjana Jevtovic-Stoimenov, **Andjelka Hedrih**, Srdjan Ljubisavljevic, Ivana Stojanovic. Polymorphism of SOD2 Ala/Val Gene in Patient with Multiple Sclerosis Abstract book / Molecular Life Sciences 2013. International Symposium of the German Society for Biochemistry and Molecular Biology (GBM). 3-6<sup>th</sup> Oct. Frankfurt an Main, Germany. FTP41, pp.47. **ISBN**-Nr. 978-3-9816002-4-7.
13. **Andjelka Hedrih**. Frequency analysis of knot mass particles in oscillatory spherical net model of mouse *zona uropean*. Lecture Session, Short Paper, Abstract book of 23<sup>rd</sup> International Congress of Theoretical and Applied Mechanics, (**IUTAM ICTAM Beijing 2012**), 19-24 August 2012, Beijing, China, SM01-049, pp. 209. **ISBN** 978-988-16022-3-7.
14. **Andjelka Hedrih**, Marinko Ugrčić. The use of finite elements method in vibrational properties characterization of mouse embryo in ICSI. Short Paper, Booklet of Abstracts of **Symposium Non-linear Dynamics with Multy- and Interdisciplinary Applications** (SNDMIA 2012), Belgrade, 1-5<sup>th</sup> October 2012. Invited Lecture. IL-12, ID-73. pp. 62-63.
15. **Andjelka N. Hedrih**. Modeling oscillations of zona pelucida before and after fertilization. Proceedings of The 7<sup>th</sup> European Nonlinear Dynamics Conference (**ENOC 2011**) **MS-13 Nonlinear Dynamics of Biological Systems in Regular Session**. ENOC 2011, 24-29 July 2011, Rome, Italy, pp. 151.
16. **Andjelka Hedrih**, Vladimir Hedrih. Sperm donation related attitudes of potential sperm donors in the Novi Pazar region of Serbia, in Sažetci priopćenja 20. Dani Ramira i Zorana Bujasa, Zagreb, Hrvatska, 7-9. Travanj, 2011.pp 107.
17. Katica (Stevanović) Hedrih, **Andjelka N. Hedrih**, Transfer of energy of oscillations trough the double DNA chain helix, 7<sup>th</sup> **EUROMECH Solid Mechanics Conference**, J. Ambrósio et.al. (eds.), Lisbon, Portugal, September 7-11, 2009, ESMC 2009 Book of Abstracts `Mini`Symposia, izdanje Instituto Superior Tecnico, Lisbon, APMTAC, 2009, MS-24,ID 315, pp. 591-592.
18. **Andjelka Hedrih**, Vladimir Hedrih. Personality Traits and attitudes toward sperm donations. The south-east European regional conference of psychology – 2009 (SEERCP 2009) Sofia, Bulgaria, 30-31th October.
19. **Andjelka Hedrih**, Vladimir Hedrih. Psychotic personality traits expression among a subpopulation of secondary school students in Serbia. Fifth medical scientific conference or students and young doctors, abstract book, 19-21 October Pleven, Bulgaria, 2006, pp.86.

20. Vladimir Hedrih, **Andjelka Hedrih**. Correlation between personality traits and psychoticism among secondary school students in a part of Serbia. Fifth medical scientific conference for students and young doctors, abstract book, 19-21 October Pleven, Bulgaria, 2006, pp.96.
21. **Andjelka Hedrih**, Milena Stojić, Slobodanka Bashich. Alcohol drinking habits of medical students, Third medical conference for students and young doctors, abstract book, 14-16. otober, Pleven, Bulgaria, 2004, pp.20.
22. Milena Stojić, **Andjelka Hedrih**. Splenectomy in idiopatic myelofibrosis. (2004). Third medical conference for students and young doctors, abstract book, 14-16. otober, Pleven, Bulgaria, 2004, pp. 66.

### **Предавање по позиву са скупа националног значаја штампано у изводу M62**

**Andjelka N. Hedrih**, Mihailo Lazarević. Analysis of energy state of a discrete fractionally one- and two -layer oscillatory spherical net model of mouse zona pelucida. (ed. M.Lazarević) Booklet of Abstracts, **Mini-symposium "Fractional Calculus with applications in problems of diffusion, control and dynamics of complex systems"** 13.07.2016 pp.22-23. Organizers: department for mechanics, Mathematical institute SANU (No OI 174001), and bilateral project Serbia-China 3-12. pp. 22-23.  
**ISBN:978-86-7746-613-8.**

### **Саопштење са скупа националног значаја штампано у целини M63**

1. **Andjelka N. Hedrih**, Mihailo Lazarević. Multi-layer oscillatory spherical net model of mouse zona pelucida. Proceedings of 5<sup>th</sup> **International Congress of Serbian Society of Mechanics**, Jun15-17<sup>th</sup> 2015, Arandjelovac, Serbia. Published by Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad, Editors: Spasić T.D, Lazarević M, Grahovac N, Žigić M, **ISBN 978-86-7892-715-7**, COBISS.SR-ID 296997639.Electronic USB Proceedings.1-2 pp. 8 страна.
2. **Hedrih Andjelka**, Lazarevic Mihaio, Mitrovic-Jovanovic Ana. Fertilization as a biomechanical oscillatory phenomenon in mammals. Proceedings of 4<sup>th</sup> International Congress of Serbian Society of Mechanics, 4-7th June 2013, Vrnjačka Banja, Serbia, Editors: Stevan Maksimović, Tomislav Igić, Nataša Trišović. – Belgrade: Serbian Society of Mechanics, 2013 (Bograd: Beotele Prom), D-01 pp. 579-584. **ISBN 978-86-909973-5-0.**
3. **Andjelka N. Hedrih**, Katica R. (Stevanović) Hedrih, Modeling Double Dna Helix Main Chains Forced Vibrations, Proceedings, Third Serbian (28th Yu) **Congress on Theoretical and Applied Mechanics**, Vlasina lake, Serbia, 5-8 July 2011, M2-06, pp. 1147-1180. **ISBN 978-86-909973-3-6** COBISS:SR-ID 187662860.
4. Katica (Stevanović) Hedrih, **Andjelka N. Hedrih**. Eigen main chain modes of the double DNA fractional order chain helix vibrations. 2<sup>nd</sup> **International Congress of Serbian Society of Mechanics** (IConSSM 2009) Palić (Subotica), Serbia, 1-5 June 2009, M1-03:1-15.

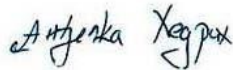
### **Саопштење са скупа националног значаја штампано у изводу M64**

1. Andjelka Hedrih, Katica (stevanovic) Hedrih. Mitotic Spindle as Complex Structure: Relation Between Spindle Size and Energy Distribution. **Tinkos 2017**, 9-10 November, Belgrade, Serbia, organized by **Mathematical Institute SASA, Belgrade, Serbia. In press.**
2. <http://www.tinkos.cosrec.org/acceptedpapers.html>
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**Потпис кандидата:**



**Напомена:** Кандидат је дужан да попуњен, одштампан и потписан образац о испуњавању услова за избор у звање наставника достави факултету који је објавио конкурс заједно са осталом документацијом којом доказује да испуњава услове конкурса