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| **Name and Surname** | **Danijela V. Todorović** |
| Title | Associate professor |
| Name of the institution where the teacher works full time and since when | Faculty of Medical Sciences, University of Kragujevac | 2007. |
|  Scientific or artistic field expertise | Genetics |
| Academic career |
|  | Year | Institution | Field |
| Election to the title | 2020. | Faculty of Medical Sciences, University of Kragujevac, Serbia | Genetics |
| Ph.D. | 2009. | Faculty of Biology, University of Belgrade, Serbia | Molecular biology and biochemistry |
| Specialization |  |  |  |
| M.Sc. | 2002. | Faculty of Biology, University of Belgrade, Serbia | Molecular biology and biochemistry |
| M.D. | 1996. | Faculty of Biology, University of Belgrade, Serbia | Molecular biology and physiology |
| Representative references |
| 1. | Joksimovic N, Petronijevic J, Milovic E, Jankovic N, Baskic D. Popovic S, Todorovic D, Matic S, Vranes M, Tot A. Synthesis, Characterization, Antitumor Potential, BSA and DNA Binding Properties, and Molecular Docking Study of Some Novel 3-Hydroxy-3-Pyrrolin-2-Ones. Med Chem, 2022, 18(3):337-352. M21 |
| 2. | Matic S, Baskic D, Djurdjevic P, Todorovic D, Jurisic V, Petrovic I, Antic V, Bezarevic A, Djordjevic N, Milovanovic D, Rosic V, Stefanovic S, Popovic S. Changes in monocyte population in response to Pfizer-BioNTech, Sputnik V and Sinopharm vaccine. Eur J Immunol, 2021, 51:349-349. M21 |
| 3. | Popovic A, Deljanin M, Popovic S, Todorovic D, Djurdjevic P, Matic S, Stankovic M, Avramovic D & Baskic D. Chelidonium majus crude extract induces activation of peripheral blood mononuclear cells and enhances their cytotoxic effect toward HeLa cells. International Journal Of Environmental Health Research, https://doi.org/10.1080/09603123.2021.1897534 |
| 4. | Slovic ZS, Vitosevic K, Todorovic D, Todorovic M. Forensic characteristics of chest injuries among subjects who died in road traffic accidents. Vojnosanitetski Pregled, 2021, 78(2):215-222. doi.org/10.2298/VSP180626064S |
| 5. | Slovic ZS, Vitosevic K, Todorovic D, Vuletic M, Todorović M. Analysis of cranio-cerebral injuries and mortality pattern in road traffic accidents- retrospective, autopsy study. Rom J Leg Med, 2021, 29: X-X DOI: 10.4323/rjlm.2021.X |
| 6. | Joksimović N, Petronijević J, Milović E, Janković N, Baskić D, Popović S, Todorović D, Matić S, Vraneš M and Tot A. Synthesis, Characterization, Antitumor Potential, BSA and DNA Binding Properties, and Molecular Docking Study of Some Novel 3-Hydroxy-3-Pyrrolin-2-Ones. Medicinal Chemistry, 2021; 17:1-16. |
| 7. | Vitošević K, Todorović M, Slović Ž, Varljen T, Matić S, Todorović D. DNA isolated from formalin‑fixed paraffin‑embedded healthy tissue after 30 years of storage can be used for forensic studies. Forensic Science, Medicine and Pathology, 2021; 17:47–57. |
| 8. | Petrovic M, Popovic S, Baskic D, Todorovic M, Djurdjevic P, Ristic-Fira A, Keta O, Petkovic V, Koricanac L, Stojkovic D, Jevtic V, Trifunovic S, TodorovicD. The Effects of Newly Synthesized Platinum(IV) Complexes on Cytotoxicity and Radiosensitization of Human Tumour Cells In Vitro. Anticancer Res. 2020;40(9):5001-5013. |
| 9. | Joksimović N, Janković N, Petronijević J, Baskić D, Popovic S, Todorović D, Zarić M, Klisurić O, Vraneš M, Tot A, Bugarčić Z. Synthesis, AnticancerEvaluation and Synergistic Effects with cisplatin of Novel Palladium Complexes: DNA, BSA Interactions and Molecular Docking Study. Med Chem. 2020;16(1):78-92. |
| 10. | Vukic MD, Vukovic NL, Popovic SL, Todorovic DV, Djurdjevic PM, Matic SD, Mitrovic MM, Popovic AM, Kacaniova MM, Baskic DD. Effect of β- cyclodextrin encapsulation on cytotoxic activity of acetylshikonin against HCT-116 and MDA-MB-231 cancer cell lines. Saudi Pharm J. 2020 Jan;28(1):136-146. |
| 11. | Slovic ZS, Vitosevic K, Todorovic D, Todorovic M. Forensic characteristics of chest injuries among subjects who died in road traffic accidents. VojnosanitetskiPregled. 2019; doi.org/10.2298/VSP180626064S. |
| 12. | Muskinja JM, Burmudzija AZ, Baskic DD, Popovic SLj, Todorovic DV, Zaric MM, Ratkovic ZR. Synthesis and anticancer activity of chalcone analogueswith sulfonyl groups. Med Chem Res. 2019;28(3):279-291. |
| 13. | Joksimović N, Petronijević J, Janković N, Baskić D, Popović S, Todorović D, Matić S, Bogdanović GA, Vraneš M, Tot A, Bugarčić Z. Synthesis,characterization, anticancer evaluation and mechanisms of cytotoxic activity of novel 3-hydroxy-3-pyrrolin-2-ones bearing thenoyl fragment: DNA, BSA interactions and molecular docking study. Bioorg Chem. 2019; 88:102954. |
| 14. | Vitošević K, Todorović M, Varljen T, Slović Ž, Matić S, Todorović D. Effect of formalin fixation on pcr amplification of DNA isolated from healthy autopsytissues. Acta Histochem. 2018;120(8):780-788. |
| 15. | Ćoćić D, Jovanović S, Radisavljević S, Korzekwa J, Scheurer A, Puchta R, Baskić D, Todorović D, Popović S, Matić S, Petrović B. New monofunctionalplatinum(II) and palladium(II) complexes: Studies of the nucleophilic substitution reactions, DNA/BSA interaction, and cytotoxic activity. J Inorg Biochem. 2018;189:91-102. |
| 16. | Keta OD, Todorović DV, Bulat TM, Cirrone PG, Romano F, Cuttone G, Petrović IM, Ristić Fira AM. Comparison of human lung cancer cell radiosensitivityafter irradiations with therapeutic protons and carbon ions. Exp Biol Med (Maywood). 2017;242(10):1015-1024. |
| 17. | Ćoćić D, Jovanović S, Nišavić M, Baskić D, Todorović D, Popović S, Bugarčić ŽD, Petrović B. New dinuclear palladium(II) complexes: Studies of thenucleophilic substitution reactions, DNA/BSA interactions and cytotoxic activity. J Inorg Biochem. 2017;175:67-79. |
| 18. | Bulat T, Keta O, Korićanac L, Žakula J, Petrović I, Ristić-Fira A, Todorović D. Radiation dose determines the method for quantification of DNA double strandbreaks. An Acad Bras Cienc. 2016;88(1):127-36. |
| 19. | Žakula J, Korićanac L, Keta O, Todorović D, Cirrone GAP, Romano F, Cuttone G, Petrović I, Ristić-Fira A. Carbon ions of different linear energy transfer(LET) values induce apoptosis & G2 cell cycle arrest in radio-resistant melanoma cells. Indian J Med Res. 2016;143(Supplement):S120-S128. |
| 20. | Milosevic V, Todorovic D, Sosic-Jurjevic B, Medigovic I, Pantelic J, Uscebrka G, Ajdzanovic V. The effects of estradiol and human chorionic gonadotropinon ACTH cells in peripubertal female rats: a histological and stereological study. Arch Biol Sci. 2014; 66(1):143-148. |
| 21. | Deljanin M, Nikolic M, Baskic D, Todorovic D, Djurdjevic P, Zaric M, Stankovic M, Todorovic M, Avramovic D, Popovic S. Chelidonium majus crudeextract inhibits migration and induces cell cycle arrest and apoptosis in tumor cell lines. J Ethnopharmacol 2016;190:362-71 |
| 22. | Stojković DLj, Jevtić VV, Radić GP, Todorović DV, Petrović M, Zarić M, Nikolić I, Baskić D, Trifunović SR. Stereospecific ligands and their complexes.XXII. Synthesis and antitumor activity of palladium(II) complexes with some esters of (S,S)-ethylenediamine-N,N'-di-(2,2'-di(4-hydroxy-benzyl))-acetic acid. J Inorg Biochem 2015; 143:111-6. |
| 23. | Keta O, Todorović D, Popović N, Korićanac L, Cuttone G, Petrović I, Ristić-Fira A. Radiosensitivity of human ovarian carcinoma and melanoma cells to γ-rays and protons. Arch Med Sci 2014; 10(3):578-586. |
| 24. | Milosevic V.Lj, Todorovic DV, Velickovic M.V, Ristic N, Uscebrka G.M, Knezevic V, Ajdzanovic V.Z. Immunohistomorphometric Features of Acth Cellsin Juvenile Rats After Treatment with Estradiol оr Human Chorionic Gonadotropin. Journal of Medical Biochemistry 2012; 31(1): 34-39. |
| 25. | Todorovic M.S, Todorovic D.V, Matejic S, Minic Z.S, Stankovic V.D, Preljevic I, Hafrovic S, Savic S.N. The role of alcohol in fatal work related injuries.Healthmed 2012; 6(2):648-653. |
| 26. | Ristić-Fira A, Todorović D, Zakula J, Keta O, Cirrone P, Cuttone G, Petrović I. Response of human HTB140 melanoma cells to conventional radiation andhadrons. Physiol Res 2011; 60(1):S129-135. |
| 27. | I. Petrović, A. Ristić-Fira, D. Todorović, L. Korićanac, L. Valastro, P. Cirrone and G. Cuttone. Response of a radioresistant human melanoma cell line alongthe proton spread-out Bragg peak. Int J Radiat Biol 2010; 86(9):742–751. |
| 28. | Todorović D, Petrović I, Todorović M, Cuttone G, Ristić-Fira A. Early effects of gamma rays and protons on human melanoma cell viability and morphology.Journal of Microscopy 2008; 232(3): 395-399. |
| 29. | Matic S, Popovic S, Baskic D, Todorovic D, Vukovic N, Stankovic M, Djurdjevic P, Zdravkovic N, Mijailovic Z. Methanolic Extract of Teucrium PoliumExerts Immunomodulatory Properties in Human Peripheral Blood Mononuclear Cells. Ser J Exp Clin Res. 2020. doi: 10.2478/sjecr-2020-0018. |
| 30. | Slović Z, Vitošević K, Todorović D, Todorović M. Analysis of injuries and cause of death in fatal accidents with farm tractors. Ser J Exp Clin Res. 2020. doi:10.2478/sjecr-2020-0052. |
| 31. | Todorovic D, Vitosevic K, Todorovic M, Slovic Z. Formalin fixation of human healthy autopsied tissues: the influence of type of tissue, temperature andincubation time on the quality of isolated DNA. Ser J Exp Clin Res. 2019. doi: 10.2478/sjecr-2019-0020. |
| 32. | Vitoševic K, Todorovic D, Slovic Z, Zivkovic-Zaric R, Todorovic M. Forensic genetics and genotyping. Ser J Exp Clin Res. 2019; 20(2): 75-85. |
| 33. | Makulovic S, Vitoševic K, Slovic Z, Todorovic M, Todorovic D. Formalin fixation at low temperature provides better yield and integrity of DNA. Medicinskipodmladak. 2019; 70(2): 37-42. |
| 34.. | Petrovic M, Todorovic D. Biochemical and molecular mechanisms of action of cisplatin in cancer cells. Facta Universitatis, Series: Medicine and Biology, 2016;18(1): 12-18. |
| 35. | Benaiche G, Belattar N, Trifunnovic S, Vukovic N, Todorovic D, Todorovic M, Baskic D, Vukic M. Isolation of Alkaloids and Anti-tumor Activity of theCrude Methanolic Extract of Algerian Cytisuspurgans. Oriental Journal of Chemistry. 2015. 31(4): 1943-1948. |
| 36. | Petrović M, Todorović D. Apoptosis and cell cycle. Racionalna terapija, 2014;6(1):21-32. |
| 37. | Matejic S, Miletic M, Mihajlovic B, Deletic N, Boskovic V,Todorovic D, Minic Z, Hajrovic S, Todorovic MS. Ten years after: Challenges of human remainsidentification on the territory of Kosovo and Metohia. MateriaMedica 2012; 28(4): 747-754. |
| Aggregate data on scientific and artistic and professional activities of teachers, respectively |
| Total number of citations | Science Citation Index, Web of Science |  |
| Scopus |  |
| Total number of papers with SCI or (SSCI) in the last 10 years | **26** |
| Current participation in projects | **5** | National |  **4** |
| International |  **1** |
| Training  | 2003-2012. on several study visits to INFN, LNS Catania, Italy. |
| Other relevant data | Collaboration with the Istituto Nazionale di Fisica Nucleare, Laboratori nazionali del Sud, Catania, Italy, and the Department of Biochemistry, University of Bologna, Bologna, Italy since 1998; Worked on the project "Apoptosis and cell cycle" funded byThe Royal Society, London, UK 1998-2001; 1998-2000-worked on the Strategic-Research-Technological Project "Development and application of new compounds, nucleosides and" antisense "oligonucleotides with anticancer properties for therapeutic purposes", funded by the Ministry of National Health Of Serbia.Memberships:- Serbian Society for Molecular Biology* Biochemical Society of Serbia
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