Mr Miroslav Novaković

Naučni saradnik

Profesionalno iskustvo Oblasti interesovanja Projekti Izabrane publikacije

Adresa: IHTM - Centar za hemiju, Univerzitet u Beogradu,
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Obrazovanje: 2002. diplomirani hemičar, Hemijski fakultet, Univerzitet u Beogradu
2008. magistar hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu
2014. doktor hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu

Zvanja: 2002. Istraživač pripravnik
2009. Istraživač saradnik
2015. naučni saradnik

Članstva u društvima: Član Srpskog hemijskog društva

Profesionalno iskustvo: Od 2002. IHTM – Centar za hemiju

Nagrade i priznanja: 2002. Kostić fondacija; treća nagrada za diplomski rad

Oblasti interesovanja: Izolovanje i određivanje strukture biljnih sekundarnih metabolita; ispitivanje antioksidativne aktivnosti različitih prirodnih proizvoda

Stručne veštine: Rad na HPLC-u, NMR-u, GCMS-u, UV spektrofotometru, polarimetru

Znanje jezika: Srpski jezik (maternji), engleski

Najznačajniji projekti: **Osnovna istraživanja:**
2011-2014. projekat br. 172053 („Bioaktivni prirodni proizvodi samoniklih, gajenih i jestivih biljaka: određivanje strukture i aktivnosti") Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije
2011-2014. projekat br. III43010 („Modifikacija antioksidativnog metabolizma biljaka sa ciljem povećanja tolerancije na abiotski stres i identifikacija novih biomarkera sa primenom u remedijaciji i monitoringu degradiranih staništa") Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije

Izabrane publikacije: **Publikovani radovi:**

1. **Miroslav Novaković**, Irena Novaković, Mirjana Cvetković, Dušan Sladić, Vele Tešević. Antimicrobial activity of the diarylheptanoids from the black and green alder. Brazilian Journal of Botany (2015), 38(3), 441-446.
2. Jelena Dinić, Teodora Ranđelović, Tijana Stanković, Miodrag Dragoj, Aleksandra Isaković, **Miroslav Novaković,** Milica Pešić. Chemo-protective and regenerative effects of diarylheptanoids from the bark of black alder (*Alnus glutinosa*) in human normal keratinocytes. Fitoterapia (2015), 105, 169–176.
3. Dejan Gođevac, Jovana Stanković, **Miroslav Novaković**, Boban Anđelković, Zora Dajić Stevanović, Milica Petrović, Miroslava Stanković. Phenolic compounds from *Atriplex littoralis* L. and their radiation mitigating activity. Journal of Natural Products (2015), 78, 2198-2204.
4. Trifunović Snežana, Isaković Anđelka M., Isaković Aleksandra, Vučković Ivan, Mandić Boris, **Novaković Miroslav**, Vajs Vlatka, Milosavljević Slobodan, Trajković Vladimir. Isolation, Characterization, and *In Vitro* Cytotoxicity of New Sesquiterpenoids from *Achillea clavennae*. Planta Medica (2014) 80 (4), 297-305.
5. **Novaković Miroslav**, Pešić Milica, Trifunović Snežana, Vučković Ivan, Todorović Nina, Podolski-Renić Ana, Dinić Jelena, Stojković Sonja, Tešević Vele, Vajs Vlatka, Milosavljević Slobodan. Diarylheptanoids from the bark of black alder inhibit the growth of sensitive and multi-drug resistant non-small cell lung carcinoma cells. Phytochemistry (2014) 97, 46-54.
6. Dinic Jelena B, **Novakovic Miroslav M**, Podolski-Renic Ana M, Stojkovic Sonja, Mandic Boris M, Tesevic Vele V, Vajs Vlatka E, Isakovic Aleksandra J, Pesic Milica S. Antioxidative Activity of Diarylheptanoids from the Bark of Black Alder (*Alnus glutinosa*) and Their Interaction with Anticancer Drugs. Planta Medica (2014) 80 (13), 1088-1096.
7. **Novaković, Miroslav**; Stanković, Miroslava; Vučković, Ivan; Todorović, Nina; Trifunović, Snežana; Tešević, Vele; Vajs, Vlatka; Milosavljević, Slobodan. Diarylheptanoids from *Alnus glutinosa* Bark and their Chemoprotective Effect on Human Lymphocytes DNA. Planta Medica, (2013), 79, 499-505.
8. Gorjanović, Stanislava Ž.; Alvarez-Suarez, José Miguel; **Novaković, Miroslav M.**; Pastor, Ferenc T.; Pezo, Lato; Battino, Maurizio; Sužnjević, Desanka Ž. Comparative analysis of antioxidant activity of honey of different floral sources using recently developed polarographic and various spectrophotometric assays.

Journal of Food Composition and Analysis, (2013), 30(1), 13-18.

9. Karabegović, Ivana; Vukosavljević, Predrag; **Novaković, Miroslav**; Gorjanović, Stanislava; Džamić, Ana; Lazić, Miodrag. Influence of the storage on bioactive compounds and sensory attributes of herbal liqueur. Digest Journal of Nanomaterials and Biostructures (2012), 7(4), 1587-1598.
10. Potkonjak, Nebojša; Veselinović, Dragan; **Novaković, Miroslav**; Gorjanović, Stanislava; Pezo, Lato; Sužnjević, Desanka. Antioxidant activity of propolis extracts from Serbia: A polarographic approach. Food and Chemical Toxicology (2012), 50(10), 3614-3618.
11. Marin, Marija; **Novaković, Miroslav**; Tešević, Vele; Vučković, Ivan; Milojević, Nataša; Vuković-Gačić, Branka; Marin, Petar. Antioxidative, antibacterial and antifungal activity of the essential oil of wild-growing *Satureja montana* L. from Dalmatia, Croatia. Flavour and Fragrance Journal (2012), 27(3), 216-223.
12. Gorjanović, Stanislava; Rabrenović, Biljana; **Novaković, Miroslav**; Dimić, Etelka; Basić, Zorica; Sužnjević, Desanka. Cold-Pressed Pumpkin Seed Oil Antioxidant Activity as Determined by a DC Polarographic Assay Based on Hydrogen Peroxide Scavenge. Journal of the American Oil Society (2011), 88(12), 1875-1882.
13. **Novaković, Miroslav**; Stevanović, Snezana; Gorjanović, Stanislava; Jovanović, Predrag; Tešević Vele; Janković, Miodrag; Sužnjević Desanka. Changes of Hydrogen Peroxide and Radical-Scavenging Activity of Raspberry during Osmotic, Convective, and Freeze-Drying. Journal of Food Science (2011), 76(4), C663-C668.
14. Gorjanović, Stanislava; **Novaković, Miroslav**; Vukosavljević, Predrag; Pastor, Ferenc; Tešević, Vele; Sužnjević, Desanka. Polarographic Assay Based on Hydrogen Peroxide Scavenging in Determination of Antioxidant Activity of Strong Alcohol Beverages. Journal of Agricultural and Food Chemistry (2010), 58(14), 8400-8406.
15. Gorjanović, Stanislava; **Novaković, Miroslav**; Potkonjak, Nebojša; Sužnjević, Desanka. Antioxidant Activity of Wines Determined by a Polarographic Assay Based on Hydrogen Peroxide Scavenge. Journal of Agricultural and Food Chemistry (2010), 58(8), 4626-4631.
16. Gorjanović, Stanislava; **Novaković, Miroslav**; Potkonjak, Nebojša; Leskosek-Čukalović, Ida; Sužnjević, Desanka. Application of a Novel Antioxidative Assay in Beer Analysis and Brewing Process Monitoring. Journal of Agricultural and Food Chemistry (2010), 58(2), 744-751.
17. **Novaković, Miroslav**; Vučković, Ivan; Janaćković, Peđa; Soković, Marina; Filipović, Anka; Tešević, Vele; Milosavljević, Slobodan. Chemical composition, antibacterial and antifungal activity of the essential oils of *Cotinus coggygria* from Serbia. Journal of the Serbian Chemical Society (2009), 74(10), 1035-1040.

Lična WEB stranica: http://www.researcherid.com/rid/B-4303-2013