**NAME AND SURNAME: KEMAL DURIĆ**

***Professional experience***

* 2017.-danas: present Associate professor

Department of Pharmaceutical chemistry, Faculty of pharmacy, University of Sarajevo

* 2012.-2017.: Assistant professor

Department of Pharmaceutical chemistry, Faculty of pharmacy, University of Sarajevo

* 2008.-2012.: Senior Teaching Assistant - research fellow

Department of Pharmaceutical chemistry, Faculty of pharmacy, University of Sarajevo

* 2001.-2007.: Teaching Assistant – research fellow

Department of Pharmaceutical chemistry, Faculty of pharmacy, University of Sarajevo

* 1999.-2001.: Master of pharmacy

Pharmacy „Farmacia allla Borsa“, Triest, Italy

***Education***

* **2006.** Specialist in medicinal plants - pharmacognosy
* **2012.**PhD in Pharmaceutical Sciences

Thesis: “Coumarins and essential oil from plant species *Artemisia dracunculus* L., *Asteraceae* and there pharmacological activity” Faculty of Pharmacy, University of Sarajevo.

* **2006.**Master in Pharmaceutical Sciences

*Master's thesis:* „ Pharmacognostic investigation of triterpene substances from different parts of *Betula pendula* Roth “,Faculty of Pharmacy, University of Sarajevo.

* **1996.**Master of Pharmacy

Faculty of Pharmacy, University of Triest, Italy

***Teaching experience***  
***Integrated study of 1st and 2nd cycle of Faculty of Pharmacy, University of Sarajevo***

***Subjects:***

• Pharmacognosy and chemistry of drugs I

• Pharmacognosy and chemistry of drugs II

***Elective courses:***

* Selected Chapters in Pharmacognosy and chemistry of drugs: Isolation of natural medicinal substances,
* Selected Chapters in Pharmacognosy and chemistry of drugs: Phytotherapy

***Doctoral Study*** ***at Faculty of Pharmacy, University of Sarajevo***

* Drug Research, Design and Development
* Modern strategy in pharamcognosy
* Scientific basis of rational phytotherapy
* Industrial production of phytopreparations

***Specijalization:***

* Mentor and co-mentor for Clinical pharmacy specializations

***Activities at the Faculty:***

* 2018. – today: Head of the Department of Pharmacognosy
* 2018. - today: President of the doctoral study council
* 2018. – Organizer and leader of the non ciclic education program "School of the applie phytotherapy« Faculty of pharmacy University of sarajevo
* 2018. - danas: Member of the council for quality assurance of the Faculty of pharmacy University of Sarajevo.

***Projects:***

| **2019-2020** | Project: Bilateral cooperation between B&H and Slovenia – Federal ministry of  education and science.  Kemal Durić, Nikšić Haris, Irma Sijamić. Efficiency of plant extracts as  antimicrobial agents on bacterial biofilm in the food industry  (Project menager for B&H: Prof.dr. Kemal Durić) |
| --- | --- |
| **2018-2019** | Phytochemical analyses of the triterpene saponins in the plant species belonging to  the Lamiaceae family from Canton Sarajevo region and there possible use in  pharmacy and medicine.  Ministry of Education, Science and Youth of Canton Sarajevo  (Project menager for B&H: Prof.dr. Kemal Durić) |
| **2018-2019** | Quantification of the essential oil in the aromatic plants and there economic  significance from the point of view of cultivation in the Canton Sarajevo.  Ministry of Education, Science and Youth of Canton Sarajevo  (Project menager: Assistant Prof.dr. Haris Nikšić) |
| **2016 -2017** | Investigation of the presence of flavonoids in native plant species from Canton  Sarajevo region and there possible pharmacological activity.  Ministry of Education Science and Youth of Canton Sarajevo.  Project menager: Prof.dr. Kemal Durić) |
| **2015-2016** | Bureau of Educational and Cultural Affairs, United States Depaertment of State Cooperation of the Council for International Exchange of Schoolars  (Fulbright program) 2015-2016.  Kemal Durić, Guido Pauli, James Mc Alpine, Brent Friesen. Phytochemical  investigation of widely used medicinal plants by systematic preparative profiling of  their metabolomes and their terapeutic relevance  (Project menager Prof. Dr. Kemal Durić) |
| **2011-2012** | Pharmacy education and training in Eastern Europe PHAR-EE. 2011 -2012  (Project menager Prof. Paul De Knop, Rector VRIJE UNIVERSITEIT BRUSSEL - VUB) |
| **2008-2009** | Ausrian fedral ministry for science and research (SEE Science Cooperation Initiative)  2008-2009. BIVEP – Balkan In Vitro depot of Endangered Plants.  Country parner in the project: Austria, Serbia, Bosnia and Herzegovina, Romania, Croatia, Macedonia;  (Project menager: Dr. M. Stanilova) |

***Selected publications (up to 10):***

|  | **Kemal Duric**, Yang Liu, Shao-Nong Chen, David C Lankin, Dejan Nikolic, James B McAlpine, J Brent Friesen, Guido F Pauli. [Studying Mass Balance and the Stability of (*Z*)-Ligustilide from *Angelica sinensis* Helps to Bridge a Botanical Instability–Bioactivity Chasm](https://pubs.acs.org/doi/abs/10.1021/acs.jnatprod.8b00962). *J. Nat. Prod.* 2019, 82, 9, 2400-2408 |
| --- | --- |
|  | H Nikšić, **K Durić**, I Sijamić, E Korić, J Kusturica, E Omeragić, S Muratovic. [In vitro Antiproliferative activity of Melissa officinalis L. (Lamiaceae) leaves essential oil](about:blank). Bol Latinoam Caribe Plant med Aromat 18 (5): 480-491. |
|  | Applova, L., Veljovic, E., Muratovic, S., Karlickova, J., Macakova, K., Zavrsnik, D., Saso, L., **Duric**, K., Mladenka, P. 9-(4'-dimethylaminophenyl)-2, 6, 7-trihydroxy-xanthene-3-one is a Potentially Novel Antiplatelet Drug which Antagonizes the Effect of Thromboxane A2. Medicinal Chemistry **2018**; 14 (2), 200-209 |
|  | Niksic, H., Kovac-Besovic, E., **Duric, K**., Makarevic, E., Omerovic, S., Muratovic, S. Chemical Characterization and Antioxidative Activity of Mentha spicata L. (Lamiaceae) Essential Oil Depending on Harvesting Time. Latin American Journal of Pharmacy, 2017; 36 (7), 1375-1381 |
|  | Yang Liu, J Brent Friesen, Edyta M Grzelak, Qingfei Fan, Ting Tang, **Kemal Durić**, Birgit U Jaki, James B McAlpine, Scott G Franzblau, Shao-Nong Chen, Guido F Pauli Sweet spot matching: A thin-layer chromatography-based countercurrent solvent system selection strategy. Journal of Chromatography A. **2017**; 1504, 46-54. |
|  | **Durić K**, Kovač-Bešović E, Nikšić H, Muratović S, Sofic E. Anticoagulant activity of some Artemisia dracunculus leaf extracts. Bosnian Journal of Basic Medcal Sciences 2015;15(2):9-14. |
|  | **Duric K**, Kovac-Besovic E, Niksic H , Sofic E. Antioksidant activity of water extracts and essential oil of Artemisa Dracunculus L., Asteraceae, Medicinal Journal 2013; (2); 19:94-99 |
|  | **Duric K**, Kovac-Besovic E, Niksic H , Sofic E. Antibacterial Activity of Methanolic Extracts, Decoction and Isolated Triterpene Products from Different Parts of Birch, Betula pendula, Roth. Journal of Plant Studies 2013; 2(2):61-70 |
|  | Kovač-Bešović E.E., **Durić K**., Kalodera Z., Sofic E. Identification and isolation of pharmacologically active triterpenes in Betulae cortex, Betula pendula Roth., Betulaceae. Bosnian Journal of Basic Medical Sciences, 2009; 9(1): 31-38. |
|  | **Durić K**. Detection of toxins inhibitors of protein phosphatase 2A in samples of salt and fresh waters. Pharmacia 2000; 13: 46-55 |