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## *COST ACTION GREENERING – DATA COLLECTION*

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**First name, Family Name:** Stoja Milovanovic

**Type (Academic or Industrial):** Academic

**Country:** Serbia

**Leadership position in the COST:** MC member on CA18224

**Working Group in which you are involved:** WG3

**E-mail:** smilovanovic@tmf.bg.ac.rs

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**Laboratory/Company:**

Laboratory for high pressure processes/Faculty of Technology and Metallurgy

**Laboratory/Company info:**

Laboratory for high pressure processes is located at the department of Organic Chemical Technology of the Faculty of Technology and Metallurgy (TMF). The TMF of the University of Belgrade is the oldest accredited high education, scientific and research institution in Serbia and the region in the field of chemical technologies.

**Link to the home page of the Laboratory/Company:**

<http://www.tmf.bg.ac.rs/en>

<http://www.tmf.bg.ac.rs/sr/katedre/organsku-hemijsku-tehnologiju>

**Fields of expertise:**

- conventional extraction of valuable components from plant materials
- high pressure CO<sub>2</sub> processes:
  - \* extraction from plant materials
  - \* polymer impregnation
  - \* polymer foaming
  - \* polymer drying
- material characterization
- process optimisation and development

**5 Main publications or patents:**

- Pharmaceutical composition based on the medicinal herbs for use in human and veterinary medicine, Žižović Irena, Petrović Slobodan, Stamenić Marko, Ivanović Jasna, Milovanović Stoja, Mišić Dušan, Aksentijević Ksenija, Jovanović Slobodanka, Arsić Ivana, Tadić Vanja, Đorđević Sofija, Žugić Ana, Ašanin Jelena, Runjaić-Antić Dušanka, International application number: PCT/RS2012/000017, Publication number: WO/2013/100774
- D. Marković, S. Milovanović, K. De Clerck, I. Zizovic, D. Stojanović, M. Radetić, Development of material with strong antimicrobial activity by high pressure CO<sub>2</sub> impregnation of polyamide nanofibers with thymol, Journal of CO<sub>2</sub> Utilization 26 (2018) 19-27.



- S. Milovanovic, D. Markovic, K. Aksentijevic, D. B. Stojanovic, J. Ivanovic, I. Zizovic, Application of cellulose acetate for controlled release of thymol, Carbohydrate Polymers 147 (2016) 344–353.
- S. Milovanovic, D. Markovic, A. Mrakovic, R. Kuska, I. Zizovic, S. Frerich, J. Ivanovic, Supercritical CO<sub>2</sub> - assisted production of PLA and PLGA foams for controlled thymol release, Materials Science and Engineering: C 99 (2019) 394-404.
- J. Djuris, S. Milovanovic, Dj. Medarevic, V. Dobricic, A. Dapcevic, S. Ibric, Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions, International Journal of Pharmaceutics 554 (2019) 190-200.