



Minela Dacić

✉ Email: mineladaca@gmail.com

Passport: BiH **Gender:** Female **Date of birth:** 11/07/1991 **Place of birth:** Sarajevo,
Bosnia and Herzegovina **Nationality:** Bosnian-Herzegovinian

ABOUT MYSELF

A talented chemist with a PhD in Pharmacy and several years of experience in physico-chemical analysis of pharmaceuticals, as well as in the development of analytical methods for medicines, raw materials, and food products. Possesses extensive knowledge of various analytical techniques in accordance with pharmacopoeias, ISO, AOAC, and other recognized standards. Skilled in documentation writing, technical papers, and report preparation. Successfully implemented the ISO/IEC 17025:2018 system in a physico-chemical laboratory, confirmed by accreditation from BATA. Developed numerous methods that have been validated and incorporated into approved documentation. Diligent, detail-oriented, and highly committed to team progress. Experienced in working with AAS, HPLC, GC, ELISA, UV-VIS spectrophotometer, pH meter, conductometer, microwave digestion, and other manual laboratory instruments.

WORK EXPERIENCE

Bosnalijek

City: Sarajevo | **Country:** Bosnia and Herzegovina

[2024 – Current] **Analytics and Stability Senior Expert Associate II**

Bosnalijek

City: Sarajevo | **Country:** Bosnia and Herzegovina

[2020 – 2024] **Analytics and Stability Expert Associate**

Faculty of Pharmacy and Health

City: Travnik | **Country:** Bosnia and Herzegovina

[2021 – Current] **Assistant Professor – Biochemistry Course Group**

Institute for Biomedical Diagnostics and Research Genom

City: Travnik | **Country:** Bosnia and Herzegovina

[2017 – 2020] **Head of the Physico-Chemical Laboratory**

Faculty of Pharmacy and Health

City: Travnik | **Country:** Bosnia and Herzegovina

[2016 – 2021] **Senior Teaching Assistant in the Biochemistry Course Group**

TR "AS"

City: Sarajevo | **Country:** Bosnia and Herzegovina

[2014 – 2016] **Director**

EDUCATION AND TRAINING

- [2016 – 2020] **Doctor of Science in Biomedicine and Health; Field: Pharmacy**
Faculty of Pharmacy and Health www.fzf.edu.ba
City: Travnik | **Country:** Bosnia and Herzegovina |
- [2014 – 2015] **Master of Engineering Chemistry**
Faculty of Natural Sciences and Mathematics www.pmf.unsa.ba
City: Sarajevo | **Country:** Bosnia and Herzegovina |
- [2010 – 2014] **Bachelor of Engineering Chemistry**
Faculty of Natural Sciences and Mathematics www.pmf.unsa.ba
City: Sarajevo | **Country:** Bosnia and Herzegovina |
- [2006 – 2010] **Pharmaceutical Technician**
Secondary Medical School – Bjelave www.sms.edu.ba
City: Sarajevo | **Country:** Bosnia and Herzegovina |

LANGUAGE SKILLS

Mother tongue(s): Bosnian

Other language(s):

Engleski jezik

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DRIVING LICENCE

Cars: B

VOLUNTEERING

- [2012 – 2013] **Professional Practice – Pharmaceutical Technician** Sarajevo Pharmacies; Sarajevo

PUBLICATIONS, CONFERENCES

Professional and Scientific Papers

1. Dacić, M., Gojak-Salimović, S. (2016). The effect of chlorogenic acid on the Briggs-Rauscher oscillating reaction, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina/Glasnik hemičara i tehnologa Bosne i Hercegovine, 46, pp. 51-54. (Chemical Abstracts Service, EBSCO Host)
2. Čeliković, A., Dacić, M., Šišić, M., Asotić, A. (2016). Testing of Heavy metal contents in Various samples of coffee, Vox Scientiae - Pharm-health, Travnik, Bosnia and Herzegovina
3. Šišić, M., Dacić, M., Zorlak, A., Vuković, S. (2016). Determination of pigments in the flower and list of berries as medicinal plants, Vox Scientiae - Pharm-health, Travnik
4. Dacić, M., Šišić, M., Čeliković, A. (2016). Physico-chemical characteristics of well water at the site of Rječica-Vogošća, Vox Scientiae- Pharm-health, Travnik, Bosnia and Herzegovina.
5. Halilović, N., Krdžalić, E., Bašić, A., Dacić, M., Avdić, N. (2017). Electrochemical treatment of leather industry wastewater, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina/Glasnik hemičara i tehnologa Bosne i Hercegovine, 48, pp. 15-20., Online ISSN: 2232-7266 (Chemical Abstracts Service, EBSCO Host)
6. Bašić, A., Dacić, M., Halilović, N. (2018). Physical characterization of the coal from the mine "Haljinići", 12. susret mladih kemijskih inženjera, Zagreb, Croatia.

7. Dacić, M., Fetić, M., Sadadinović, J., Bašić, A., Halilović, N. (2018). The influence of additional acetylsalicylic acid, eritromicine and clindamicines on the basic properties of soaps based on plant oils, 12. susret mladih kemijskih inženjera, Zagreb, Croatia.
8. Halilović N., Bašić A., Dacić M. (2018). Biosensors for detection of hydrogen peroxide, L-ascorbic acid and catechol in form of student experiments. International Journal of Biosensors and Bioelectronics, Med Crave. 2018; 4(3):87–92. DOI: 10.15406/ijbsbe.2018.04.00103
9. Zorlak A., Ganić A., Dacić M., Hadžić V., Kurtić E., Bašić A. (2018) The effect of salt reduction on chemical and microbiological characteristics and implications on sensory quality of traditional smoked meat "Visočka pečenica", Journal of Hygienic Engineering and Design, page 22-26, Original scientific paper UDC 637.525'62.05:546.33'131(497.6)
10. Alagić-Džambić L., Dacić M., Spirjan J., Džambić M. (2019). Analysis Of Different Brands Of Metformin Hydrochloride Tablets Using Ultra Violet Spectrophotometric And High Performance Liquid Chromatographic Methods, Research Journal of Pharmaceutical, Biological and Chemical Sciences, pp. 1426-1433, ISSN: 0975-8585
11. Kamenjaković M., Sadibašić A., Rondić E., Dacić M., Salešević M., Bašić-Halilović A. (2018) Determination of vitamin C in dried fruit samples, Vox Scientiae - Pharm-health, Travnik
12. Šoljanin A., Salešević M., Bašić-Halilović A., Dacić M. (2018) Spectrophotometric and Gravimetric Determination of Caffeine in Tea Samples, Vox Scientiae - Pharm-health, Travnik
13. Alagić-Džambić L., Dacić M., Asotić A. (2018) Pharmacy in the Renaissance Period, Vox Scientiae - Pharm-health, Travnik
14. Dacić M., Uzunović A., Alagić-Džambić L., Bašić-Halilović A., Šuta E. (2019) Primjena i dostupnost topikalnih kortikosteroida na teritoriji BiH, Vox Scientiae, Pharm-Health 7(2): 71-79
15. Dacić M., Alagić-Džambić L., Bahtić E., Pašić-Kulenović M., Bašić-Halilović A., Šuta E. (2019) Identifikacija boja u oblogama film tableta, Vox Scientiae, Pharm-Health 7(2): 86-95
16. Šuta E., Dacić M., Bašić-Halilović A. (2019) Pregled koordinacione hemije cirkonija, Vox Scientiae, Pharm-Health 7(2): 96-105
17. Alagić-Džambić L., Dacić M., Raguž A., Džambić M. (2020) Determination of ranitidine hydrochloride in five marketed tablet preparation, European Journal of Pharmaceutical and Medical Research, ISSN 2394-3211, page 33-36.

Professional and Scientific Papers

18. Larisa Alagić-Džambić, Minela Dacić, Kenan Bašić, Alija Uzunović, Maja Pašić-Kulenović, Ehlimana Osmanović Omerdić, Mirsad Džambić (2020) Spectrophotometric Determination of Sulpiride in Pharmaceutical Products, The Pharmaceutical and Chemical Journal, 7(4): 75-79
19. Alagić-Džambić L., Dacić M., Šulić S., Džambić M. (2020) Comparative quality evaluation of Ibuprofen in tablets, Chemistry Research Journal, 5(5):35-40
20. Alagić-Džambić L., Dacić M., Frljak A., Osmanović Omerdić E., Džambić M. (2020) RP-HPLC Method of the Estimation of Xylometazoline hydrochloride in Nasal Spray Solution, Chemistry Research Journal, 5(5):31-34
21. Alagić-Džambić L., Dacić M., Kurspahić R., Džambić M. (2020) Study of pH - Dependent Drugs Solubility for BCS Class 2 and Class 4, Chemistry Research Journal, 5(6):101-104
22. Alagić-Džambić L., Dacić M., Beganović L., Džambić M. (2020) RP-HPLC Method of the Estimation of Folic Acid in Tablets, Chemistry Research Journal, 5(6):163-166

23. Alagić-Džambić L., Dacić M., Bikić N., Džambić M. (2020) Quantification of Betamethasone Dipropionate in Pharmaceutical Ointment by RP-HPLC, *Chemistry Research Journal*, 5(6):167-171
24. Dacić M., Uzunović A., Alagić-Džambić L., Pilipović S. (2020) HPLC Determination of Counterfeited Corticosteroids in Different Topical Preparations, *Vox Scientiae - Pharm-health*, 8(1): 39-44
25. Dacić M., Alagić-Džambić L., Džambić M., Pašić-Kulenović M., Osmanović Omerdić E., Šuta E., Bašić-Halilović A. (2020) Spectrophotometrical Determination of Synthesized Samples of Acetylsalicylic Acid, *Vox Scientiae - Pharm-health*, 8(1): 45-54
26. Dacić M., Šabić Dž., Alagić-Džambić L., Džambić M., Pašić-Kulenović M., Osmanović Omerdić E., Šuta E., Bašić-Halilović A. (2020) Sinteza i poređenje volumetrijskih rezultata za određivanje sadržaja acetilsalicilne kiseline upotrebom dviju metoda titracije, *Vox Scientiae - Pharm-health*, 8(1): 68-74
27. Alagić-Džambić L., Dacić M., Stanić M., Omerdić EO., Džambić M. (2020) Simultaneous Estimation of Four Preservatives in Pharmaceutical Ointment by RP-HPLC, *Journal of Chromatography & Separation Techniques*, 11:434. DOI: 10.35248/2157-7064.20.11.434
28. Larisa Alagić-Džambić, Minela Dacić, Lana Vidak, Haris Bašić, Kemal Durić, Maja Pašić-Kulenović, Mirsad Džambić, RP-HPLC Method for the Estimation of Paracetamol and Parabens in Pediatric Syrup, *International Journal of Pharmacy and Pharmaceutical research*, Research Article, July 2020 Vol.:18, Issue:4
29. Huremović J., Žero S., Bubalo E., Dacić M., Čeliković A., Musić I., Bašić M., Huseinbašić N., Džepina K., Cepić M., Muratović N., Pašalić A., Salihagić S., Krvavac Z., Zelić-Hadžiomeroević J., Gojak-Salimović S. (2020) Analysis of PM10, Pb, Cd, and Ni atmospheric concentrations during domestic heating season in Sarajevo, Bosnia and Herzegovina, from 2010 to 2019, *AirQuality, Atmosphere&Health*, <https://doi.org/10.1007/s11869-020-00852-4>
30. Larisa Alagić-Džambić, Minela Dacić, Tea Ferhatović and Mirsad Džambić, DETERMINATION OF CIPROFLOXACIN IN TABLETS FROM EU AND BOSNIAN MARKETS, *EUROPEAN JOURNAL OF PHARMACEUTICAL AND MEDICAL RESEARCH*, ejpmr, 2020,7(2), 112-117
31. Dacic M., Uzunovic A., Pilipovic S., Alagic-Dzambic L., Duric K. (2021) RP-HPLC Determination of Lipophilicity in Series of Corticosteroids. In: Badnjevic, A., Gurbeta Pokvić, L. (eds), *CMBEBIH 2021. CMBEBIH 2021. IFMBE Proceedings*, vol 84. Springer, Cham. pp 535–540.
32. Uzunovic A., Dacic M., Pilipovic S., Alagic-Dzambic L., Duric K., Dzudzevic-Cancar H. (2021) In Vitro Evaluation of Three Brands of Salicylic Acid Plasters from Bosnian Markets. In: Badnjevic, A., Gurbeta Pokvić, L. (eds), *CMBEBIH 2021. CMBEBIH 2021. IFMBE Proceedings*, vol 84. Springer, Cham. pp 541–546.
33. Mlivo E., Dacic M., Uzunovic A. (2024). Characterization of the Chemical Substance Niacinamide. In: Badnjević, A., Gurbeta Pokvić, L. (eds), *MEDICON'23 and CMBEBIH'23. MEDICON CMBEBIH 2023 2023. IFMBE Proceedings*, vol 93. Springer, Cham. pp. 443–451.

Professional and Scientific Papers

34. Dacic M., Uzunovic A., Alagic-Dzambic L., Pilipovic S. (2024). HPLC-UV Determination and Comparison of Extracted Corticosteroids Content with Two Methods. In: Badnjević, A., Gurbeta Pokvić, L. (eds), *MEDICON'23 and CMBEBIH'23. MEDICON CMBEBIH 2023 2023. IFMBE Proceedings*, vol 93. Springer, Cham. pp. 412–424.
35. Mlivo E., Uzunovic A., Basic-Halilovic A., Dacic M., Pilipovic S., Duric K. (2024). Determination of Capsaicin and Dihydrocapsaicin Content by HPLC Method in Products

Purchased Online. In: Badnjević, A., Gurbeta Pokvić, L. (eds), MEDICON'23 and CMBEBIH'23. MEDICON CMBEBIH 2023. IFMBE Proceedings, vol 93. Springer, Cham. pp. 478–487.

36. Uzunovic A., Mlivo E., Dacic M., Pilipovic S., Supuk M., Cancar H. (2024). In Vitro Aerodynamic Comparison of Protective Masks. In: Badnjević, A., Gurbeta Pokvić, L. (eds), MEDICON'23 and CMBEBIH'23. MEDICON CMBEBIH 2023. IFMBE Proceedings, vol 93., Springer, Cham. pp. 452–462

Mentor za naučne radove:

1. Authors: Šoljanin, A., Spirjan, J.

Mentors: Alagić-Džambić, L., Bašić, A., Dacić, M.

Topic: Comparison of gravimetric and spectrophotometric methods for determination of caffeine in tea, (2018), 59th SERBIAN STUDENTS' CONFERENCE OF BIOMEDICAL SCIENCES WITH INTERNATIONAL PARTICIPATION, Kopaonik, Serbia.

2. Authors: Larisa Beganović, Medina Salešević, Azra Bašić-Halilović, Minela Dacić

Mentor: Assist. Prof. Larisa Alagić – Džambić

Topic: SPECTROPHOTOMETRIC DETERMINATION OF IRON IN THE TEA, (2019), 60th SERBIAN STUDENTS' CONFERENCE OF BIOMEDICAL SCIENCES WITH INTERNATIONAL PARTICIPATION, Kopaonik, Serbia.

3. Authors: Emina Đelihodžić, Minela Dacić, Azra Bašić-Halilović, Medina Salešević

Mentor: Assist. Prof. Larisa Alagić – Džambić

Topic: VITAMIN C AS A PART OF HUMAN DIET, (2019), 60th SERBIAN STUDENTS' CONFERENCE OF BIOMEDICAL SCIENCES WITH INTERNATIONAL PARTICIPATION, Kopaonik, Serbia

Symposia, Conferences

1. Dacić, M., Zukanović, M., Bašić, A., Salešević, M., Pašić-Kulenović, M., Alagić-Džambić, L., Halilović, N. (2018). Pharmaceutical Analysis of Metronidazole Tablets, The third International Congress of Chemists and Technologists of BiH, Sarajevo

2. Dacić, M., Nuhagić, A., Bašić, A., Salešević, M., Pašić-Kulenović, M., Alagić-Džambić, L. (2018). Pharmaceutical Analysis of Nesteroidal Anti-Inflammatory Diclofenac Sodium Tablets, The Third International Congress of Chemists and Technologists of BiH, Sarajevo

3. Dacić, M., Šišić, M., Vuković, S., Zorlak, A. (2016). Determination of heavy metals in the flower and leaf of Primrose, The Second International Congress of Chemists and Technologists of BiH, Sarajevo

4. Žero, S., Dacić, M., Čeliković, A., Bubalo, E., Huremović, J. (2016) Variability of PM10 mass concentrations in Sarajevo, The Second International Congress of Chemists and Technologists of BiH, Sarajevo

5. Uzunović A., Dacić M., Pilipović S., Šapčanin A., Softić-Uzunović Dž. (2019) Evaluation of the stability and antimicrobial activity of propolis from Bosnia and Herzegovina, 6th World Congress on Medicinal and Aromatic Plants, Famagusta, N. Cyprus, page: 142

6. Uzunović A., Dacić M., Pilipović S., Šapčanin A., Softić-Uzunović Dž. (2019) Antimicrobial activity of natural garlic vs commercial garlic supplements, 6th World Congress on Medicinal and Aromatic Plants, Famagusta, N. Cyprus, page: 143

7. Dacić M., Uzunović A., Kunić A., Pilipović S., Šapčanin A. (2019). UV-VIS determination of acetylsalicylic acid in aspirin tablets using different solvents and conditions, IFMBE Proceedings of the International Conference on Medical and Biological Engineering, Volume 73, Springer, 16-18 May, 2019, Banja Luka, BiH, pp. 559-562, ISSN. 1680-0737

8. Uzunović A., Dacić M., Ademović Z., Osmančević S., Pilipović S., Šapčanin A. (2019). In vitro evaluation of transdermal patches containing capsaicin marketed in Bosnia and Herzegovina, IFMBE Proceedings of the International Conference on Medical and Biological Engineering, Volume 73, Springer, 16-18 May, 2019, Banja Luka, BiH, pp. 563-568, ISSN. 1680-0737

9. A two-day seminar on entrepreneurship organized by the UNSA Faculty of Natural Sciences and the Center for Entrepreneurial Learning in South-East Europe

10. Dacić, M., Kaljun, S., Avdić, N., Pašić-Kulenović, M., Development of RP-HPLC Method for Determination of Carbocysteine Related Compounds, 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, str. 165

11. Dacić, M., Behlulović, B., Avdić, N., Pašić-Kulenović, M., RP-HPLC Method for Determination of Perindopril Related Compounds

5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, str. 164

12. Dacić, M., Behlulović, B., Avdić, N., Pašić-Kulenović, M., RP- HPLC method for determination of perindopril related compounds

5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina (2024), Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, str. 34

Published Scientific and Professional Books / Practicals / Theses:

1. Dacić, M., Sadadinović J. (2016). Praktikum za Farmaceutsku hemiju I sa teorijskim osnovama, Farmaceutsko-zdravstveni fakultet, Travnik; ISBN: 978-9958-640-64-3

2. Dacić, M. (2015). Određivanje sadržaja Cu, Mn i V u PM10 čestičnoj tvari zraka i biljnom materijalu, završni master rad, Sarajevo

3. Dacić, M. (2014). Uticaj hlorogenske kiseline na Briggs-Rauscher reakciju, završni diplomski rad, Sarajevo