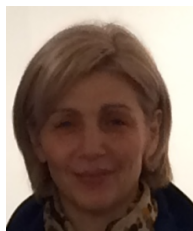


PERSONAL INFORMATION**Emilija Janevik-Ivanovska**

📍 Goce Delcev University, Faculty of Medical Sciences,
Krste Misirkov 10A, 2000 Stip, Republic of North Macedonia

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✉ emilija.janevik@ugd.edu.mk

💬 Skype janevike

Sex Female | [Date of birth](#) 11/02/1963 | [Nationality](#) Macedonian

WORK EXPERIENCE**12/2009 – Present**

**Full professor in Pharmacy, Pharmaceutical Chemistry and Radiopharmacy
Faculty of Medical Sciences,
Goce Delcev University, Stip (www.ugd.edu.mk)**

Teaching and Research in:

- Pharmaceutical Chemistry
- Radiopharmacy
- Drug Design and Development
- Good Manufacturing Practice

Business or sector: High education and Research in Medical Sciences

03/2012–Present

**Responsible for the Laboratory of Radiopharmacy, Goce Delcev University,
Faculty of Medical Sciences
(<http://www.ugd.edu.mk/rflab/en/default.html>)**

02/2020–Present

**President of the Doctoral School at the Faculty of Medical Sciences.
Goce Delcev University, Faculty of Medical Sciences**

Business or sector: High education and Research in Medical Sciences

09/2020–Present

**Elected foreign correspondent member of the French National Academy of
Pharmacy**

1st Section – Physical and chemical sciences

12/2015–06/2018

**Director of University Institute for Positron-Emission Tomography Skopje,
Responsible Person for Production**

Management of the professional and administrative staff in Public Health Care
Institute

Work and research in:

Production of PET radioisotopes, PET radiopharmaceuticals, therapeutical
radiopharmaceuticals

Metabolic and molecular Imaging of patients

Animal models for development of new radiopharmaceuticals

Business or sector: Management and Research in Medical Health Care

12/2009–11/2019

Coordinator of the study program in Pharmacy

Faculty of Medical Sciences, Goce Delcev University, Stip
Teaching and Research

Business or sector: High education, Research and Management

12/1991–12/2009

Head of Radiopharmacy,

University Ss Cyril and Methodious, Faculty of Medicine, Institute of Pathophysiology and Nuclear Medicine, Skopje

Head of Radiopharmacy responsible for the Radiopharmaceutical Laboratory (production, preparation, labelling and QC of radiopharmaceuticals), preparation of protocols for application of radiopharmaceuticals, responsible for in vitro laboratory (more than 15 years) RIA, FIA, chemiluminiscent immunoassays, daily analyses, QC, protocols, research activities participation in many national, bilateral and international projects (IAEA, FP, NATO).

Research Associate Professor teaching Radiopharmacy (specialties for Pharmaceutical Technology, Analytics and Control of Drugs and Internal Medicine), Nuclear Medicine (student of the Faculty of Medicine), Pathophysiology (practical exercises for the student of Faculty of Pharmacy and Faculty of Medicine), Usage of radioisotope techniques in biology (for the postgraduate students of the Faculty of Natural Science and Mathematics).

Visiting (honorary) professor in the State University in Tetovo (2008/2009) for the students on the Faculty of Natural Sciences (Pharmacy) teaching Pathophysiology

Business or sector: High education, Research, Clinical Activities and Management

12/1987–12/1991

Main Radiopharmacist, Jounior Assistant

University Ss Cyril and Methodious, Faculty of Medicine, Institute of Pathophysiology and Nuclear Medicine

- Responsible for Radiopharmaceutical Laboratory

- Teaching and research in Radiopharmacy, Nuclear Medicine and Pathophysiology

Business or sector: High education, Research, Clinical activities

EDUCATION AND TRAINING

10/2000–05/2003

Doctor of Science - PhD in Biology and Biochemistry

University Ss Cyril and Methodious, Faculty of Natural Science and Mathematics

09/1997–05/2000

Master of Science in Biology and Biochemistry

University Ss Cyril and Methodious, Faculty of Natural Science and Mathematics

09/1993–02/1997

Specialization in Pharmaceutical Technology

University Ss Cyril and Methodious, Faculty of Pharmacy, Skopje

09/1981–05/1986

Pharmacist (B.Sc.)

University Ss Cyril and Methodious, Faculty of Pharmacy, Skopje

11/2000–03/2001

EANM Radiopharmacy training

Radiopharmacy training course and exams (Block 1&2), EANM, INSTN, Saclay, France (Part 1&2)

Radiopharmacy exam (Block 1)- EANM, Ljubljana, Slovenia

05/1991–06/1991

Certificate to work with the radioactive sources in industry and medicine

Training course for basic use of radioisotopes, Institute of Nuclear Science "Boris Kidric-VINCA",

PERSONAL SKILLS

Mother tongue(s)

Macedonian

Other language(s)

| UNDERSTANDING | | SPEAKING | | WRITING |
|---------------|---------|--------------------|-------------------|---------|
| Listening | Reading | Spoken interaction | Spoken production | |
| C2 | C2 | C2 | C2 | C2 |
| C2 | C2 | C2 | C2 | C1 |
| C2 | C2 | C2 | C2 | C2 |

English

French

Serbian, Croatian,

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

Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience as Director (2015 - 2018)
- good communication skills gained through my experience as Vice Rector for education (2010-2015)
- good communication skills gained through my experience as Head of Radiopharmacy in Institute for Pathophysiology and Nuclear Medicine (1991 - 2019)
- excellent contact skills with students gained through my experience in university teaching (1987 - current) from junior assistant to full professor
- good communication skills gained through my experience in research

Job-related skills

Teaching

- Graduate study program in Pharmacy and Medicine
- Postgraduate level:
- Master Program in Radiopharmacy
- Doctoral studies in Pharmaceutical Sciences
- Health care specialties in Pharmaceutical Technology
- Training courses, professional specialities (EANM Radiopharmacy, Block 2-Milan)

Institutional and other Responsibilities

- Established Master program in Radiopharmacy in English
- Management project activities, particularly connected with the education of students
- Participating in the National bodies for improving the National strategy of Science and High Education System in the country
- Member of the National committee of nostrification in the field of biotechnological sciences
- National coordinator of implementation of PET in Republic of Macedonia
- Government project for improving the facilities in the Universities in Macedonia-established new Radiopharmacy laboratory University Goce Delcev
- IAEA expert in QUANUM project, in the field of Radiopharmacy
- Member of the Commission for Drug registration in Macedonian Agency of drug and medical devices (2015-2018)
- Member of European Pharmacopoeia, Group 14
- IAEA/WHO Expert for revising International Pharmacopoeia / Part Radiopharmaceuticals
- Member of national and international association related to the Pharmacy and Nuclear Medicine

Main organizer of:

- 14th Symposium of Radiopharmacy and Radiopharmaceuticals, Skopje, 24-27 April, 2008
- First Regional training course Improvement of Hospital Radiopharmacy, organized in collaboration with IAEA (RER6/014), Skopje, 21-27 April, 2008
- Two months certified training course of Radiopharmacy, organized by Goce Delcev University- Stip collaboration with AFRA – IAEA and University Institute for Positron Emission Tomography in Skopje, 16 January – 10 March 2017

Project Activities:

1. Projects related to International Atomic Energy Agency

Technical Cooperation - TC:

- 1995-1997 Preparation of Radioimmunoassay kits and Radiopharmaceuticals (member of the core team)
- 1997-1999 Upgrading of Instrumentation (investigator)
- 1999-2000 Local Production of Radiopharmaceuticals (member of the core team)
- 2000-2003 Introducing of ^{99m}Tc-labelled antibodies and peptide-based radiopharmaceuticals (main investigator)
- 2003-2005 Introduction of Radio-guided Lymphatic Surgery (investigator)
- 2009 -2017 Implementation of positron emission tomography in Republic of Macedonia (main investigator)
- 2012 – 2018 Establishing Nuclear Medicine to Improve Health Care of Patients Affected by Chronic Disease (main investigator)

Coordinated research Projects – CRP:

- 2004-2008 Standardisation and quality control of in-house prepared radiopharmaceuticals for nuclear oncology (main investigator)
- 2010 – 2014 Development and preclinical evaluations of therapeutic radiopharmaceuticals based on Lu-177 and Y-90 labelled monoclonal antibodies

and peptides (main investigator)

2. 2002-2005 VirRAD project (virtual radiopharmacy)

Member of a panel of Radiopharmacy professionals which is providing advice to the VirRAD- project on its suitability for use to the International Nuclear Medical Community. VirRAD is a project funded by the IST programme of the 5th Research and Development Framework Programme of the European Commission.

3. 2002-2006 NATO project Science for Peace

Collaboration with Faculty of Pharmacy, Institute of Biopharmacy and Pharmaceutical Technology as a Member of the group for experimental studies. Influence of biopolymer interactions on the drug delivery from chitosan-alginate colloidal carrier systems (investigator)

4. 2002 - 2003 National project financed by Ministry of Science and Education of the Republic of Macedonia

Collaboration with Faculty of Pharmacy, Institute of Biopharmacy and Pharmaceutical Technology as a Member of the group for experimental studies - Colloidal drug delivery systems microparticles, nanoparticles, (investigator)

5. 2002-2004 Project founded by Ministry of Science and Education of the Republic of Macedonia in collaboration with Macedonian Academy of science and art - Biological and genetic study concerning good health (investigator)

6. 2006 - 2008 Bilateral project with the Institute of Nuclear Physics in Albania

Preparation and quality control of radiopharmaceuticals for diagnosis and therapy (main co-coordinator)

7. 2010 - 2014 STREW Tempus project (STREW Tempus project: 511355-TEMPUS-1-2010-1- RS-TEMPUS-SMHES) - Structural Reform in Higher Education (main co-coordinator)

8. 2015 – 2016 Regional Platform for Benchmarking and Cooperation in Higher Education and Research. (main co-coordinator)

9. 2017 – current IAEA - RFP No. 34923 - Developing, Testing and Installing E-learning System for African Member States (RAF6049). (main coordinator)

10. 2020 – current COST Action CA19114, Network for Optimized Astatine labeled Radiopharmaceuticals (Science Communication Manager)

11. 2021 - current EU4Tech PoC WB project - "Knowledge transfer - active learning methodologies in good manufacturing practices" (main coordinator)

<https://eu4tech.eu/commercialisation-through-knowledge-exchange-gmp-and-glp-from-the-aclemeth-project/>

12. University Projects:

2013 – 2016 Extraction of capsaicin from hot peppers and determination of its antioxidant properties. (investigator)

2014 – 2018 Establishment and standardization of a technology for the production of ready to use kit formulation of antibody and peptide based radiopharmaceuticals (main coordinator)

2015 – 2018 Synthesis and Quality Control of new imaging radiopharmaceuticals (main coordinator – project for students)

Book:

1. Janevik-Ivanovska, Emilija (2014), Pharmaceutical Chemistry 1 (in Macedonian), Goce Delcev University. ISBN 978-608-244-078-1
2. Gjorgieva Ackova Darinka, Janevik-Ivanovska Emilija (2018) Metabolism of Drug (in Macedonian), Goce Delcev University. ISBN 978-608-244-557-1

Teaching Resource:

1. Janevik-Ivanovska Emilija, Gjorgieva Ackova Darinka (2015), Analytical methods for determination of drug metabolites. **(in Macedonian), Goce Delcev University.** ISBN 978-608-244-197-9.
2. Gulaboski Rubin, Janevik-Ivanovska Emilija, Kostadinovik Sanja (2013). Basic Organic Chemistry

Book sections:

1. Vaskova O., Miceva Ristevska S., PopDjorceva D., Miladinova D., Loparska S., Janevik- Ivanovska E. Book for Practice of Pathophysiology, 2006, Boro Grafika (Book in Macedonian) - ISBN 9989-2608-0-X.
2. Vaskova O., Miceva Ristevska S., PopDjorceva D., Miladinova D., Loparska S., Janevik- Ivanovska E. Basic Principles of Nuclear Medicine, 2008(Book in Macedonian)
3. Vaskova O., Miceva Ristevska S., PopDjorceva D., Miladinova D., Loparska S., Janevik- Ivanovska E., Majstorov V., Ugrinska A., Andonovski B., Kuzmanovska S., Bogdanovska A., Josifovska T., Muratovska L. Nuclear Medicine in Clinical Practice, 2008, Boro Grafika (Book in Macedonian)
4. Pasqualini, Roberto and Janevik-Ivanovska, Emilija (2015) Chapter 2. Basic description of the lymphatic system from the perspective of SLN uptake of radioactive tracers. In: Radiopharmaceuticals for sentinel lymph node detection: status and trends. IAEA Radioisotopes and Radiopharmaceuticals (6). International Atomic Energy Agency, Publishing Section, Vienna, pp. 7-32. ISBN ISSN 2077-6462
5. Pasquali, Micol and Janevik-Ivanovska, Emilija and Uccelli, Licia and Boschi, Alessandra and Duatti, Adriano (2015) Chapter 8. Labelling of biotin with ¹⁸⁸Re. In: Yttrium-90 and Rhenium-188 Radiopharmaceuticals for Radionuclide Therapy. IAEA Radioisotopes and Radiopharmaceuticals (5). International Atomic Energy Agency, Publishing Section, Vienna, pp. 120-133. ISBN ISSN 2077-6462

Publications and presentation of the national and international meetings, invited lecturers in the training courses and conferences from 2010 –

<http://eprints.ugd.edu.mk/view/creators/Janevik-Ivanovska=3AEmilija=3A=3A.html>

List of most relevant presentations as an invited lecturer in the field of Radiopharmacy

1. Second Winter School of Oncology 2019, Europe and Asia - Discussion on the future of cancer treatment, Borovets, November 1-3, 2019, Bulgaria. presentation on “The Powerful of Ga-68 - Generator and Cyclotron Based Production Initiate Development of New Radiopharmaceuticals and Increase Clinical Interest”
2. International Symposium on Trends in Radiopharmaceuticals, ISTR 2019, Vienna, Austria, October 28 to November 1, 2019.
Oral presentation on the importance of establishing the online learning platform in developing countries
Developing, Testing and Installing E-learning System for Radiopharmacy as a tool to harmonize education in developing country
3. Conferences on topics covering the synthesis of PET radiopharmaceuticals, quality control, clinical applications, the validation plan and the plan of a PET center
C7-RAF6049-006 / 17 - Regional (AFRA) Training Course on Radiopharmacy Operational Level III - Rabat, MOROCCO- July 3-7, 2017
4. Conferences on topics covering the synthesis of PET radiopharmaceuticals, quality control, clinical applications, the validation plan and the plan of a PET center
EX-OMA6007-1703822 - Expert team mission to conduct a National Radiopharmacy workshop - Muscat, Oman: November 12-16, 2017
5. Education and training for the Radiation Safety Related to the Radiopharmaceutical.
11th Asia Oceania Congress of Nuclear Medicine and Biology; 54th Annual Autumn Meeting of the Korean Society of Nuclear Medicine; 14th Annual General Meeting of Asian Regional Cooperative Council for Nuclear Medicine, 31 Oct - 04 Nov 2015, Jeju, South Korea
6. Presentations and discussions related to regulations in radiopharmacy and radiation protection
2nd CONFERENCE ON RADIOISOTOPES PRODUCTION AND UTILIZATION AND THE 11th CYCLOTRON RESEARCH WORKSHOP, Monastir, Tunisia, March 26-27, 2015
7. Contribution of the IAEA in the field of radioisotope production.
In: Scientific Days on the production and use of radioisotopes, May 16-17, 2013, Gammarth, Tunisia
8. Conferences on the themes of the pharmaceutical aspects of radiopharmaceuticals and radiation protection
First Symposium on Radiopharmacy in Africa, Addis Ababa, Ethiopia November 21-22, 2013
9. Teachers supporting the quality management audits of nuclear medicine practices (QUANUM)
Workshop on Quality Management Audits in Nuclear Medicine Practices (QUANUM 2.0) for Europe and Asia and Asia- Pacific Region, December 16-20, 2013, Singapore, Singapore
10. Conferences on the subjects covered in Training courses on essential tests for the end user of radiopharmaceuticals and Design / Upgrading of a radiopharmacy installation
C7-RAF-2.008-006 / 12 - Regional (AFRA), Yaoundé, Cameroon, July 9-13, 2012

Links of certain activities related to radiopharmacy and to the network in developing countries

1. Radiopharmaceuticals - A Key Component of Nuclear Medicine

<https://www.iaea.org/newscenter/multimedia/videos/radiopharmaceuticals-a-key-component-of-nuclear-medicine>

2. African Radiopharmacists Put New Skills to Use

<https://www.iaea.org/newscenter/news/african-radiopharmacists-put-new-skills-to-use>

3. The African pharmacists completed the course in Radiopharmacy

<http://arhiva.ugd.edu.mk/en/news/5856-training-course-in-radiopharmacy-to-pharmacists-from-africa.html>

4. Developing, Testing and Installing E-learning System for African Member States - Emilija Janevik

<https://www.youtube.com/watch?v=GgjUPyNnMtU>

<https://www.estense.com/?p=666129>

Award

Francophone Pharmacy Prize for 2019 form the French National Academy of Pharmacy

<https://www.acadpharm.org/prix/pharmacie-francophone.php>

Foreign Corresponding Member of French National Academy of Pharmacy, September 2020

1st Section Physical and chemical sciences

https://www.acadpharm.org/qui_sommes_nous/aff_membre.php?memb_id=1768&fil_post=&fil_nom=&fil_sect=&que_act=O&fil_pays=&fil_bureau=&fil_conseil=&page=15&ipp=20