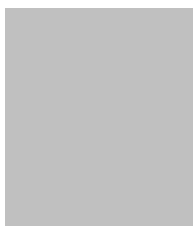



PERSONAL INFORMATION

Dan Rambu



 Bl. Expozitiei, nr. 1., Bucharest, Romania

 +40 799656047

 rambu.dan.96@gmail.com

Sex Male | Date of birth 24/10/1996 | Nationality Romanian

WORK EXPERIENCE

(October 2019 – July 2022)

Laboratory analyst

Scient Analytics; Strada Petre Ispirescu 1, Tâncăbești

- Performing instrumental analysis on various samples (pharmaceuticals , botanicals, cosmetics) employing HPLC (UV-VIS, PDA , FL, RI, MS/MS) ,GS-MS, UV-VIS spectrofotometer, FT-IR
- Troubleshooting method and instrumentation problems
- Carrying out methods development and method validations based on ICH guidelines
- Preparing study/validation reports, protocols, documents and laboratory journals as required for GMP compliance
- Conducting experiments in research projects, writing technical reports, article papers, assisting in peer-review responses

EDUCATION AND TRAINING

(2021- present)

PhD – Biotechnology

University of Agronomic Sciences and Medical Veterinary Bucharest , Faculty of Biotechnology

(2019 - 2021)

Master – Biotechnology in Pharmaceutical Industry

University of Agronomic Sciences and Medical Veterinary Bucharest , Faculty of Biotechnology

(Final grade: 9.52 out of 10)

(2015 – 2019)

Bachelor's – Biotechnology in Food Industry

University of Agronomic Sciences and Medical Veterinary Bucharest , Faculty of Biotechnology

(Final grade: 9.80 out of 10)

(2011 – 2015)

High School Diploma – Tradeing

Economic College "Ion Ghica", Targoviste - (Final grade: 9.35 out of 10)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	C1	C1	C1	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Public speaking in seminars and conferences
- Transparency
- Active listening

Job-related skills

- High throughput ARN isolation and RT-PCR for detection of COVID19 in body samples
- Research projects related skills: Cell cultures: inoculation, maintenance, passaging, conservation, aseptic working, counting, ELISA ,bioassays – proliferation, cytotoxicity, wound-healing assays, microscopy, extractions, column fractionation/isolation, SEC and semi-prep chromatography
- Team work; analytic thinking.

Computer skills Basic computer and internet skills – various laboratory softwares, MS Office, PC and periferics hardware/software, etc.

Other skills

- Microbiology; fermentation; nutrition, metabolics and sport sciences;
- Creativity

ADDITIONAL INFORMATION

Publications Popovici, V., Bucur, L., Popescu, A., Schröder, V., Costache, T., Rambu, D., Badea, V. Antioxidant and Cytotoxic Activities of *Usnea barbata* (L.) F.H. Wigg. Dry Extracts in Different Solvents. *Plants*, 10(5), 909. doi:10.3390/plants10050909, (2021).

Popovici, V., Bucur, L., Vochita, G., Gherghel, D., Mihai, C. T., Rambu, D.,Badea, V. In Vitro Anticancer Activity and Oxidative Stress Biomarkers Status Determined by *Usnea barbata* (L.) F.H. Wigg. *Dry Extracts. Antioxidants*, 10(7), 1141. doi:10.3390/antiox10071141 (2021).

Popovici, V., Matei, E., Cozaru, G. C., Aschie, M., Bucur, L., Rambu, D., Badea, V. Usnic Acid and *Usnea barbata* (L.) F.H. Wigg. Dry Extracts Promote Apoptosis and DNA Damage in Human Blood Cells through Enhancing ROS Levels. *Antioxidants*, 10(8), 1171. doi:10.3390/antiox10081171, (2021).

Maria Dudau, Elena Codrici, Isabela Tarcomnicu, Simona Mihai, Ionela D. Popescu, Lucian Albulescu, Nicoleta Constantin, Iulia Cucolea, Teodor Costache, Dan Rambu, Ana-Maria Enciu, Mihail E. Hinescu,Cristiana Tanase. A fatty acid fraction purified from sea buckthorn seed oil has regenerative properties on normal skin cells. *Front. Pharmacol.*, 10.3389/fphar.2021.73757 (2021).

Blebea, N.M.; Rambu, D.; Costache, T.; Negres, S. Very Fast RP–UHPLC–PDA Method for Identification and Quantification of the Cannabinoids from Hemp Oil. *Appl. Sci*, 11, 9414. <https://doi.org/10.3390/app11209414> (2021).

Popovici, V.; Bucur, L.; Calcan, S.I.; Cucolea, E.I.; Costache, T.; Rambu, D.; Schröder, V.; Gîrd, C.E.; Gherghel, D.; Vochita, G.; et al. Elemental Analysis and In Vitro Evaluation of Antibacterial and Antifungal Activities of *Usnea barbata* (L.) Weber ex F.H. Wigg from Călimani Mountains, Romania.

Plants 11, 32. <https://doi.org/10.3390/plants11010032> (2022).

Popovici V, Bucur L, Gîrd CE, Rambu D, Calcan SI, Cuculea EI, Costache T, Ungureanu-luga M, Oroian M, Mironeasa S, Schröder V, Ozon EA, Lupuliasa D, Caraiane A, Badea V. Antioxidant, Cytotoxic, and Rheological Properties of Canola Oil Extract of *Usnea barbata* (L.) Weber ex F.H. Wigg from Călimani Mountains, Romania. *Plants* (Basel). Mar 23;11(7):854. doi: 10.3390/plants11070854. (2022)

Dumitriu Gabur, G.-D.; Gabur, I.; Cuculea, E.I.; Costache, T.; Rambu, D.; Cotea, V.V.; Teodosiu, C. Investigating Six Common Pesticides Residues and Dietary Risk Assessment of Romanian Wine Varieties. *Foods*, 11, 2225. <https://doi.org/10.3390/foods11152225> (2022)

Conferences

National Student Symposium - "Biotechnologies - present and future" 7th Edition

International Exhibition of Innovation and Student Scientific Research "Cadet INOVA'19" Sibiu entitled "In vivo evaluation of *Saccharomyces boulardii* probiotic yeast response to oxidative stress" where gold medal was obtained

The 4th Conference of the Romanian Association of Immuno-Dermatology, The 49th Conference of the Romanian Immunological Society where the paper "Assessment of anti-inflammatory effect of purified essential fatty acids from sea-buckthorn oil - an in vitro study on normal human keratinocytes.