

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Lazar, Veronica**

Telephone(s) +4021 318 15 76 Mobile: +40744 49 24 08

E-mail veronica.lazar2009@gmail.com; veronica.lazar@bio.unibuc.ro

Date of birth • 8 January 1956

Occupational field **Educational and Research activity in Microbiology - Immunology,**

Work experience

Dates

- 1) feb. 2004 – to date;
- 2) oct. 2001 – feb. 2004;
- 3) feb. 1993 – oct. 2001;
- 4) feb. 1991 – feb. 1993;
- 5) dec. 1987 – feb. 1991;
- 6) ian. 1986 – dec. 1987;
- 7) aug. 1984 – dec. 1985.

Occupation or position held

- 1) **Professor Emeritus in Microbiology - Immunology and Senior researcher 1st degree – University of Bucharest – Faculty of Biology;** Member of Research, Formation and Consultancy Center in *Microbiology, Genetics and Biotech.*, Univ. of Bucharest “MICROGEN” since 2006; Member of the Biology Professoral Council; member of the Biology Doctoral School,s Office.
- Former Head of Department (Botany&Microbiol.) – 2004-2021.
- Responsible of the Documents` Preparation for Re-accreditation of Biology program (2020).
PhD advisor (since Oct. 2007; at present – 12 PhD students, 31 finalized PhD thesis (+ PhD degree), 5 postdoctoral theses-finalized +1 in progress.
Director of 2 M.Sc. Programs de master (in present):
 - *Applied Microbiology and Immunology (since 2013);*
 - *Professional Master of Medical Laboratory (since 2019)*
(formerly named – Quality management in Medical laboratories, since 2014)
- 2) Conference Degree - Chief of Microbiology Lab.; Member of Faculty Professoral Council since 2002;
- 3) Full lecturer;
- 4) Full teaching assistant;
- 5) Associate teaching assistant;
- 6) Biologist;
- 7) Biologist.

Main activities and responsibilities

- 1) Educational (Courses: Microbiology, Immunobiology; Medical Microbiology) and research activities (projects coordination), Head of depar.; Coord.: License works, dissertation, PhD, postdoc grants
- 2) Educational (Courses: Immunobiology; Medical Microbiology) and research activities (projects coordination), Chief of Microbiology Laboratory from 2002; License work, dissertation coordination;
- 3) Educational (Courses: Microbial Ecology; Immunobiology) and research activities (projects coord.); Educational (Laboratory classes: General Microbiology, Immunology) and research activities;
- 4) Educational (Laboratory classes: General Microbiology, Immunology) and research activities;
- 5) Research activity- Laboratory of “Biology and Immunology of Cancer Disease”;
- 6) Clinical analyses - Biochemistry, Hematology, Microbiology, Immunology.

Name and address of employer	1) – ... 5) University of Bucharest (Faculty of Biology), B-dul M. Kogalniceanu No. 36-46, Sect. 5, Bucharest 050107; din 2019 – Sos. Panduri. 6) - Oncology Institute of Bucharest 7) - Nehoiu Hosp.– Buzau, Romania
Type of business or sector	1) - ...5) Education and scientific research; 6) – Clinical and research activity; 7) – Clinical laboratory.
Education and training	
Dates	- PhD (public defent-Dec.2000), confirmed by Ministry of Educ. & Research/ 16.03.2001. - M.Sc. -Medical Biology , 1984 (Fac. of Biology–Univ. of Bucharest); Dissertation in Microb.&Immun. - B.Sc. in Biology, 1983 (Fac. of Biology –Univ.of Bucharest); License work in Microbiology–Immunol.
	National and international courses, organized in faculty/university, with certificates: Workshop: Animals models for the biofilm study; Eurobiofilms, Glasgow- 2019, Sept.3; Course : Utilizarea nutrageneticii in definirea nevoilor nutritionale individualizate , Bucuresti - 12-16 Iunie 2017, curs org. de UMF V.Babes-Timisoara si ICUB;
	Course of Cytometry (org. by Rom. Assoc.of Cytometry,in colab.with French Assoc., Bucharest,21-24 April 2017. Workshop – Identification of anaerobic bacteria of clinical interest – Chicago, U.S.A., 28.05.2014 Blended Learning Courses for Acad.Staff– Education Quality - (M1.2-POSDRU/57, Nov. 2011-May - 2012); Attestation in Cytodiagnostic methods,- course, 2008 (Bucharest); Attestation in Bioinformatics Course , 2002 (Bucharest). Attestation of CEFOR course – Université Francophone , Biochemistry - Microbiology, 2002 (Bucharest); Attestation of CEFOR course – Université Francophone , Biochemistry - Microbiology, 2001 (Bucharest) ; Attestation of CEFOR course– Université Francophone , Biochemistry - Microbiology, 1999 (Bucharest); Attestation of TEMPUS CEFOR III Courses: Microbiology, Immunology, 1998 (Iasi); Attestation of TEMPUS CEFOR II Courses: Microbiol., Immunol., Statistics applied in Biology, 1997 (Buch.); Attestation of International Course: Update in Clinical Diagnosis of Infectious Diseases– organized by <i>American-Romanian Foundation for Medical Education</i> – Cantacuzino Institute, 1998, 1999 – Bucharest; 2002 – Institute of Infectious Diseases 'M. Bals', Bucharest. Attestation of TEMPUS CEFOR I Courses (Centre de Formation post-Universitaire des Enseignants dans le Domaine des Sciences de la Vie): Microbiology, Immunology, Molecular Biology, May, 1996 (Bucharest);
	Summer schools and trainings: Fellowship and attestation of Immunology Summer School (+ travel grant)- organised by Basel Institute of Immunology in Kosice – Slovaquie, sept. 1994 (1 week) Research Training in Cell Cultures Berlin Buch - Max Delbrück Zenter, Germany, Oct. 1987(1 week); Attestation of Practical training on Cell Cultures , Cantacuzino Institute-Bucharest, 1986 (6 weeks).
Title of qualification awarded	- PhD in Biology (Microbiology) - Different short time international courses and training, attested by certificates - M.Sc. in Medical Biology - BcS in Biology.
Principal subjects/occupational skills covered	Title of PhD thesis: « <i>Theoretical and practical implications of microbial adherence and aggregation phenomena</i> », Coord. by Acad. Prof. dr. doc. George Zarnea

Name and type of organisation providing education and training

- Romanian Academy
- University of Bucharest

Research and Educational Fellowships:

POSTDOCTORAL FELLOWSHIP, granted by JSPS (Japan Society for Promotion of Science) (short term - 30 days) - to Kyorin University, Medical School - Dept. of Infectious Diseases, Tokyo, Japan - 31 July - 30 August 2008; grant obtained by competition; the title of the research project: **ERASMUS Grants (EU funds - for Academic Educ.): 1) University of Porto, Fac.of Pharmacy, dept. of Microbiology, Porto, Portugal; Conference: Microbial Biofilms, architecture, QS mechanism, properties, tolerance to antimicrobials, solutions to treat biofilm associated infections (4-6 May 2016); 2) University of Thrace, Depart. Microbiology, Orestiada, Greece (11 –19.05.2007) – Lecture: Microbial Biofilms: structure, properties, ecological, biotechnological and medical consequences of their formation; 3) Microbial biofilms and their tolerance to antimicrobials; 31 May-2 June 2010.4) 4) University of Porto – Faculty of Pharmacy, Portugal: Lecture: Tolerance of Biofilm embedded cells – medical significance.**

Fellowship NATO at University of Ioannina - Medical School, Lab. of Medical Microbiology (with Prof. E. Bertzoglou), July-Aug.2000 Greece– *Influence of Lactobacillus casei strains on the adhesion and invasion capacity of some opportunistic enterobacteria strains to HeLa cell line.*

Fellowship TEMPUS- Phare, granted by E.U. – June - July, 1998, University of Glasgow, Institute of Life Sciences - Division of Infection & Immunity, Scotland, U.K., coordinated by Prof. D. Stewart -Tull – training in biochemical identification of opportunistic enterobacteria by API 20E system and informatic data processing; quantitative assay of adherence and invasion capacity of some selected enterobacterial strains on Caco-2 cells, by Cravioto method); Scanning electron microscopy (SEM) on bacterial cells adhered on urinary catheter pieces.

Fellowship TEMPUS, granted by E.U. – Nov.- Dec. 1994, at Pasteur Institute Paris – Antimicrobial Immunology- coordinated by Dr. Jean – Pierre Bouvet –practical training in mucosal immunity; immunochemistry (*immunoblotting*, PAGE, HPLC) and at *Institut Gustave Roussi de Villejuif –Medical Microbiology Dept.–* coordinated by Prof. A. Andreumont (Enterobacteria identification using API 20E system, evaluation of antibiotics impact on intestinal ecosystem and resistance, PCR applied in diagnosis of infectious diseases).

Level in national or international classification

Professor and Senior researcher 1st degree

Personal skills and competences

Mother tongue(s)

Romanian

Self-assessment
European level (*)

English
French
Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	independent user	C1	Proficient user	B2	independent user	B2	independent user	B2	Independ.user

(*) [Common European Framework of Reference for Languages](#)

Organisational skills and competences

Experience in working with people and developing a team, since 2002 as laboratory chief and head of dept. -since 2004; 22 years experience as leading research teams and projects coordinator, negotiating contracts, establishing goals and means of action; member in numerous research teams.

Technical skills and competences	<p>Participation at over 40 research projects as coordinator (20) or team member financed by The Ministry of Education, The Ministry of Research and Techn., ANCS, CNCIS, 1 project financed by the World Bank (100,000 USD/1998-2002) + 1 project FP7 (2008-2011; responsible of Rom. team), ERA-NET (2014-2018) – Key member; 1 project CEEEX (2008-2011) – as director of consortium (7 partners), 1 project HFRI-FM17-2496 (2021-2024) (coord.by Greece).</p>
	<p>Specialist in Medical Microbiology, Microbial Ecology; Immunology, with experience in:</p> <ul style="list-style-type: none"> - Study of bacterial adherence/invasion and biofilm formation on cellular/inert substrata evaluated by light microscopy, TEM, SEM and CLSM; - Study of the phenotypic resistance or tolerance to antimicrobials of biofilms formed on acellular substrata (medical devices) using original <i>in vitro</i> assay methods; - Study of the microbial intercellular communication by Quorum sensing (QS) mechanism; - Study of some alternatives to the use of antibiotics: prebiotics, probiotics, vegetal extracts, QS inhibitors and their influence on the virulence feature expression of pathogens (exoenzymes, adherence/invasion, biofilms formation on different substrata, cytotoxicity); - Study of biological active products coupled with nanoparticles; - Study of the immunological anti-infectious mechanisms (humoral and cellular); - Selection of different bacterial and yeast strains for biotechnological properties – production of useful metabolites, probiotic and prebiotic qualities; - Study of antibioresistant enterobacterial strains isolated from environment, food, intestinal tract of healthy people and different clinical specimens; molecular study of R plasmids; - The phenotypic and genotypic study of aquatic (fresh and polluted waters) reservoir of resistance and virulence genes; - Microbial taxonomy by phenotypical and molecular methods in order to establish filogenetic relationships and biodiversity in different natural populations.
Computer skills and competences	<p>Publications – over 450 publications: 15 books and 30 chapters (28 chapters in international books), 150 articles in ISI journals, indexed in IDB (over 200) and over 250 abstracts (at international meetings - 175 at international meetings and ~75 at national meetings).</p> <p>+ 5 patents of invention (delivered by OSIM)- (as first author - 2 patents).</p> <p>MS Office (Word, Excel, PowerPoint) and specific software programmes for Microbiology field: Bact.Id.; P.I.B. (<i>Probabilistic Identification of Bacteria</i>); API Lab Plus.</p>
Other skills and competences	<p>Reviewer at ISI /IDB Journals: <i>Frontiers in Immunology, Frontiers in Microbiology, Pathogens; Anaerobe; Biointerface Research in Applied Chemistry, Folia Microbiologica, J. of Clinical Pathology, Letters in Applied NanoBioScience, Roumanian Archives of Microbiology and Immunology.</i></p> <p>Member in Editorial Board of MEHD (<i>Microbial Ecology in Health and Disease</i>-http://www.microbecolhealthdis.net/index.php/mehd/pages/view/mehd_board), <i>Biointerface Research in Applied Chemistry</i> (http://biointerfaceresearch.com/editorial-board/); <i>Letters in Applied NanoBioScience</i> (http://nanobioletters.com);</p> <p>Member of Scientific Committee of Editorial Board of Romanian Journal of Clinical Laboratory – OBBCSSR;</p> <p>Member of Scientific Committee of Association for Quality in Clinical Laboratory -CALILAB;</p> <p>Expert evaluator of the UEFISCDI (National Council of Scientific Research in Acad. Educ.); evaluator of international projects: www.nserc-crsng.gc.ca; https://aap.agencerecherche.fr; http://www.isf.org.il</p> <p>Hobbies: lecture, chase, cultural travelling and art galleries visiting.</p>
Additional information	<p>Romanian Academy Prize „Emil Racoviță”, for the monograph „<i>Microbial Adherence</i>”, <i>Rom. Acad.Press (2003)</i> (http://www.acad.ro/premiileAR/liste/2003.pdf).</p> <p>Diploma of Gold Medal, 11 Ed. of EuroInvent – European Exhibition of Creativity and Innovation, 2019, May 18, Iasi-Romania. Coralia Bleotu,.....Veronica Lazar, „<i>Procedure for obtaining of a totally concentrated extract of chemicals (Chelidonium majus) with antimicrobial, antiviral, antitumoral and immunomodulatory activity</i>”.</p>

Member of an international Panel of experts on Probiotics (Workshop in Rome, Italy, 25-28.02.2010) – finalized with a review article published in MEHD.

Member of Organizing committees: Intern.Congress SOMED: *The XXVth International Congress of Microbial Ecology & Disease, Bucharest, 29 IX.-1 X. 2000*; National Workshop on Biofilms, with intern. Particip., Univ of Buch.– Fac. of Biology, 21 Nov. 2008;

Member of Scientific Committee of :

The XXXIIIth Intern. Congress SOMED, Greece, 6-10 Sept.2010;

Co-chair of the Session: Microbial biofilms (<www.somed.nu>);

The XXXV Intern. Congress SOMED, Valencia, Spain, May, 2012;

<http://www.somed2012valencia.com/abstract.html>

XXXVIth Intern. Congress SOMED, Sept. 24-26, 2013, Kosice, Slovakia

Co-chair of the Sessions III and IV (<www.somed.nu>);

The XXXVIIIth Intern.Congress SOMED, Verona, Italy, 11- 13 Oct. 2015.

Co-chair of the Session 3 – Biofilm-based infections.

Member of the Intern. Advisory Board of The 39th Congress of the Society for Microbial Ecology and Disease (Tokyo, Japan)-

<http://square.umin.ac.jp/JAGG/isgsomed2017/organizingE.html>

President of 2nd ROWER International Conf., 29 Apr. - 1 May 2011, Sinaia, Rom.

Invited speaker: 10 (national) + 12 (international)

Memberships in profesional societies:

- Romanian Society of Microbiology;
- SOMED (*Soc. of Microbial Ecology & Disease*) – since 1998;
 - Secretary of SOMED (2010-2017) (<www.somed.nu/history>);
- ESCMID (*European Society for Clinical Microbiol. & Infect. Diseases*);
- ESGB (*European Study Group of Biofilms*) (since 2005).

Guest Editor of the 2017 Special Issue series on “Bioactive Natural Products,,;

BioMed Research International, vol.2018, Editorial-Article ID 506343,3 pg.

<https://www.hindawi.com/journals/bmri/2018/5063437/>

Topic Editor of a volume in *Frontiers in Microbiology*(2019), entitled: *ESKA Pathogens: Resistance and Virulence Mechanisms and How to Escape The* (<https://www.frontiersin.org/research-topics/8461>)

Nr. of citations (Google Scholar Citations = **5227 citations/ 9.11.2021**)

H index= 36 (Google Scholar Citations); i10-indec=134 (<https://scholar.google.com/citations?user=YiZAZF8AAAAJ&hl=en>).

Date: 9.11.2021