ACADEMY OF SCIENCES AND ARTS OF BOSNIA AND HERZEGOVINA

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Academician MIRJANA VUKOVIĆ
Professor and Professor Emeritus

C U R R I C U L U M V I T A E

M. Džamonja, *A few words about a successful career to Mirjana Vuković*, Sarajevo J. Math. Vol. 14, No 2 (2018), 127-130; DOI: 10564/SJM.14.2.01
http://www.anubih.ba/Journals/vol.14,no-2,y18/01_about%20M.Vukovic.pdf
A. Panchishkine, *Hapy birthday Mirjana*, Sarajevo J. Math. Vol. 14, No 2 (2018), 131-132

1. Education:

Faculty of Sciences and Mathematics, University of Sarajevo, Bosnia and Herzegovina:

1979 PhD Degree in Mathematics with thesis in Analysis: "*On some Problems of Sumability and on the Applications to the Generalized Fourier Series"* (Advisor academician Manojlo Maravić);
1972-75 MA in Mathematics with thesis in Algebra: *Hensel's Corps and Henselization* (Advisor academician Veselin Perić);
1969-71 Completed two years study of Physics, Department of Physics;
1967-71 BSci in Mathematics with Gold Medal for the best student;

1963-67 Secondary education: Grammar School *Gimnazija Braća Ribar*, Sarajevo BiH;
1955-63 Elementary school: Varaždin (Croatia), Maribor (Slovenia), Sarajevo (BiH).

2. Academic Career:

Academy of Sciences and Arts of Bosnia and Herzegovina (ANUBiH):

2018 – Academician – Full member
2012-2018 Elected into Academy of Sciences and Arts (Corresponding member);

University of East Sarajevo, Department of Mathematics and Computer Science, BiH :

2004-2016 Full Professor

University of Sarajevo, Faculty of Sciences, Department of Mathematics, BiH:

1989-2013 Full Professor ;
1984-1989 Associate Professor ;
1979-1984 Assistant Professor (Docent);
1972-1979 Assistant (of two academicians: Mahmut Bajraktarević and Fikret Vajzović)

3. Professional and Research Areas:

Different areas of Algebra and Analysis:
Algebra: Commutative Algebra, Groups and Rings, Paragraded Structures: Groups, Rings and Modules, Theory of (para) graded Rings and Radicals of paragraded Rings;
Analysis: Fourier Analysis, Theory of Sumability, Karamata's Theory, Functional Analysis.

4. Academic Awards and Honours:

2018 Full member ANUBiH (Fellow), BiH;
2012-2018 Elected into ANUBiH (Corresponding member), BiH;
2003 Elected for the *Life Member of the Physical Society of Bosnia and Herzegovina*;
1999 *Charter of University of Sarajevo* on the occasion of 50 years of University;
1991 *Medal of Vrhbosanska high School* on the occasion of the hundredth anniversary of this high school (as Vice-rector of the University of Sarajevo).

Elected for:

1989 distinguished standing and conferred with appointment to THE RESEARCH BOARD OF ADVISORS, American Biographical Institute;
1989 THE INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP for Outstanding Contribution to University Education, ABI, NorthCarolina,USA
1988 THE INTERNATIONAL WHO'S WHO OF INTELLECTUALS (eight edition) International Biographical Centre, Cambridge, England;
1988 Honour from *The Movement Science to the Young* – "*Pokret Nauka Mladim"*;
1987 *Order of Work with Silver Crown***,** former Yugoslav Government;
1987 *Veselin Masleša* – the highest Republic Prize for scientific work in Mathematics
1985 *Memorial Plaque of the city of Sarajevo on the occasion of the 40th anniversary of the Liberation of the City* ;

1975 *Honour of the Society of Mathematicians, Physicists, and Astronomers of BiH*;

Foundation "*Hasan Brkić*" Award, University of Sarajevo, Sarajevo, BiH, Yugoslavia:

1971 Gold Medal and Award for the best Student (best results overall great success),
1968-71 Silver Medals and awards scholarship for the excellent results for each year of study.

5. Some Administrativ and Profesional Position:

2019 – Professor Emeritus of University of Sarajevo, Sarajevo, BiH;
2014 – Member of the Presidency of the ANUBiH, Sarajevo BiH;
2012 -2013 Member of Scientific Council for the Canton Sarajevo, Sarajevo, BiH;
2004-2016 Head and Founder of Postgraduate Studies, Department of Mathematics and Computer Sciences, University of East Sarajevo, BiH;
2002-2004 Head of the Department of Mathematics, University of Sarajevo, BiH;
1992-2013 Head of Division for Algebra and Geometry, Department of Mathematics;
1989-92 Member of Presidency of the Society of Yugoslav – French Friendship;
1988-93 Vice-rector for science, research work, and education of the University of Sarajevo, Sarajevo, BiH;
1998 -2002& 1989-91 Chairman of the Scientific Colloquium of Department of Mathematics of University of Sarajevo, Sarajevo, BiH;
1982-84 Vice-dean for science, research work, and education of Faculty of Science, University of Sarajevo, Sarajevo, BiH;
1982-84 President of the Section for Mathematics of the Society of Mathematicians, Physicists, and Astronomers of Bosnia and Herzegovina.

6. Visiting Fellow / Professor

2013 *Erasmus Mundus Partnerships* under the program Join EU See, Research Fellow, Project: *The connection between Krasner-Vuković's paragraded structures and Lie superalgebras* (with D.Pagon, University of Maribor, Slovenia)
2007 Japanese Fellow for 5th *Bosnia and Herzegovina - Japan Seminar* (with paper) Tcukuba University, Tcukuba, Japan;
2002 *The Fields Institute,* Research Fellow for the Conference ICRA X, Toronto, Canada (one month);
2001 International Workshop on "*General Algebra* AAA 62*", Johannes Kepler* University, Linz, Austria;
2000-01 Under the Program: TEMPRA-PECO (founded by the region Rhône Alpes), Research Fellow on the Project: *Paragraded Structures and Non-archimedian Analysis* (with A. Panchishkin, Institute Fourier, Grenoble, France);
1999 Algebra Colloquium-99, Charles University, Prague Czech Republic;

Austrian Government Research Fellowship – TU Wien, awarded under the Program:

1997 *Stipendien für die Universitäten Bosnia - Herzegowinas der Österreichischen Rectorkonkonferenz,* Technische Univerzität (TU) Wien (two months);
1995 *Bewerber aus aller Welt*, TU Wien (and many times for one month).

1977 French Government Research Fellowship**,** *Pierre et Marie Curie Université* (UPMC), Paris, France (and many times in the period 1977-1985 ;
1975-76 USSR Government Research Fellowship, Lomonosow – Moscow's State University, Moscow, Russia, ex-USSR (and many times later).

7. Member of the Editorial Board of mathematical journal:

2023 – Editor of *Maroccan Journal of Algebra and Geometry with Applications* **https://ced.fst-usmba.ac.ma/p/mjaga/editorial-board/**

2020 – Editor of *Asian –European Journal of Mathematics* – World Scientific; **https://www.worldscientific.com/page/aejm/editorial-board**

2018 – Editor-in-Chief of *Sarajevo Journal of Mathematics*, ANUBiH; **http://www.anubih.ba/Journals/SJMATH.html**

2014-18 one of two Editor-in-Chiefs of *Sarajevo Journal of Mathematics* of Academy of Sciences and Arts of BiH (ANUBiH);

2012 – Member of the International Editorial Advisory Board of *Journal of Applied Mathematics and Computational Mechanics*, Institute of Mathematics and Computer Science, University of Technology of Czestochowa, Poland; **http://amcm.pcz.pl/?id=editorial_board**

2005-2014 *Sarajevo Journal of Mathematics* (SJM) of ANUBiH, Sarajevo, BiH which is continuation of the earlier periodical

1995-2005 *Radovi Matematički* which was established in 1985 by the separation of the field of mathematics from the journal *Radovi Odjeljenja prirodno-matema-tematičkih nauka* ANUBiH, Sarajevo, ANUBiH ;

1988-91**:** for education *Naša Škola* (*Our School*)

8. Organizer and (Co-) organizer of Conferences

2018 International Conference, Sarajevo, 22-24 September, ANUBiH *Modern Algebra and Analysis and their Applications*, Sarajevo, BiH;

2016 International Conference: IUC-2016, Dubrovnik, September, 20-22 : *"Graded structures in Algebra and Their Applications"* dedicated to *Marc Krasner*, a great French mathematician, professor of *Université Pierre et Marie Curie* in Paris, *Officier des Palmes Académiques*" and the first laureate for the *Doisteau-Blutet prize* of the French Academy of Sciences;

Conference devoted to:

2009 *Academician Veselin Perić* on the occasion of his 80th birthday, Faculty of Philosophy, University of East Sarajevo, BiH;

2008 *Academician Fikret Vajzović* on the occasion of his 80th birthday, ANUBiH, Sarajevo, BiH;

1998 *International Conference Algebra and Logic, devoted to Acad. Đuro Kurepa* on the occasion of his 70th birthday, Faculty of Sciences and Mathematics, Sarajevo, BiH;

1992 *Seminar for Young Researcher for Natural, Mathematical and Biotechnical Sciences*, University of Sarajevo, Sarajevo, BiH;

1990 *Joint Symposium University Tomorrow*, University of Sarajevo with Grand Valley State University, Sarajevo, May 1990, BiH;

1989 Member of the Organising Committee of Celebration 40 years of University of Sarajevo, Sarajevo, BiH;

1989 Member of the Organising Committee of the *Celebration* 200 *years of the* French Revolution Sarajevo, Juny, BiH;

9. Participation in some invited conferences

I was invited to many important conferences and symposiums and gave lectures at numerous prestigious universities, such as:

1. *Lomonosov –Moscow State University*, Moscow, Russia (earlier USSSR) many times;
2. *Université Pierre et Marie Curie*, Paris, France;
3. *Fields Institute* – ICRA X, 2001,Toronto, Canada;
4. *Charles* University, Prague, Czech Republic;
5. *Institute of* Mathematics, *Université Joseph Fourier* Grenoble, France (2000-2001);
6. *Technische Universität Wien* (Vienna), many times (1995, 1996, 1997, 1998);
7. Innsbruck, ICOR-2001 and *Johannes Kepler Universität*, Linz, Austria;

8. *Mathematical Colloquium*, Institute of Mathematics of SANU, Belgrade, Serbia;
9. 3rd *Croatian Mathematical* Congress, Split, Croatia (;
10. *Japanise Fellow for* 5th*Bosnia and Herzegovna – Japan Semeniar*, Tcukuba University, Tcukuba, Japan;
11. *International Algebraic Conference dedicated to the* 100th *anniversary of birth of A. G. Kurosh* and the 250th *anniversary of the Lomonosov – Moscow's State University*, Moscow, Russia;

as well as in the world and European congresses:

12. ICM-2002, Beijing, China;
13. ICM-2006, Madrid, Spain;
14. ICM-2010, Hyderabad, India;
15. 4ECM-2004, Stockholm, Sweden;
16. 5ECM-2008, Amsterdam, Netherlands;
17. 6ECM-2012 (Krakow, Poland), and others

About the significance of the monographic work *Structures paragraduées* (*groups, anneaux, modules*) tells the fact that this work, as well as my other works from this filed, *can be found in five world languages in* 154 *libraries around the world, such as*: *Université Pierre et Marie Curie*; *Université Sorbonne* (*Paris*); *Lomonosov – Moscow's State University* (*Moscow*); *Université Joseph Fourier* (*Grenoble*); *Karlsruhe Institute of Technology – KIT* (Karlsruhe), Manheim University, as well as that it is included in *the Open Library among* 105 *most significant books of the greatest commutative algebra authors*, *World Cat library*, …, and can be purchased online via *Queen's University Bookstore and Amazon.com,* etc

"Mirjana Vuković is "one of the most successful and most educated mathematicians in Bosnia and Herzegovina. It is safe to say that she is among those scholars of broad, not only mathematical, but also general education and culture. Her scientific interest is centred around several important, contemporary areas of mathematics, such as Theory of Summability and Fourier Analysis, Algebra and Number Theory. In recent years, she has also worked in the field of Functional Analysis. […] *Works by M. Vuković have a scientific-fundamental character and can be divided into two groups: works of the first group belong to the area of mathematical analysis and treat the summability of multiple Fourier series and summability of eigenfunction expansion of the Laplacian operator, as well as Karamata theory, and are related to the period in which she collaborated with the academician M. Maravić – her mentor – who was named "leader of the renowned Sarajevo school of mathematical analysis" by the Zentralblatt fuer Mathematik."* (*Academician F. Vajzović*).