

## BIOGRAPHICAL SKETCH

**Utkir Rozikov**

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### A. Professional Preparation:

Samarkand State University, Uzbekistan, M.A., 1993  
Institute of Mathematics, Uzbekistan Academy of Sciences, Ph.D., 1995  
Institute of Mathematics, Uzbekistan Academy of Sciences, D.Sc., 2001

### B. Appointments:

2001–            Leading Scientific Fellow, Institute of Mathematics, Uzbekistan Academy of Sciences  
1999–2001      Post Doctoral Fellow, Institute of Mathematics, Uzbekistan Academy of Sciences  
1995–1999      Scientific Fellow, Institute of Mathematics, Uzbekistan Academy of Sciences  
1993–1995      Ph.D student, Institute of Mathematics, Uzbekistan Academy of Sciences

### C. Products:

#### *(i) Products most closely related to the proposed project:*

1. M. Ladra, U.A. Rozikov, Flow of finite-dimensional algebras. Jour. Algebra. 470 (2017), 263-288.
2. A. Dzhumadil'daev, B.A. Omirov, U.A. Rozikov, Constrained evolution algebras and dynamical systems of a bisexual population. Linear Algebra Appl. 496 (2016) 351–380.
3. A. Labra, M. Ladra, U.A. Rozikov, An evolution algebra in population genetics. Linear Algebra Appl. 457 (2014) 348–362.
4. U.A. Rozikov, Sh.M. Murodov, Chain of evolution algebras of “chicken” population. Linear Algebra Appl. 450 (2014) 186–201.
5. M. Ladra, B.A. Omirov, U.A. Rozikov, Classification of  $p$ -adic 6-dimensional filiform Leibniz algebras by solution of  $x^q = a$ . Central European Jour. Math. 11 (2013) 1083-1093.

#### *(ii) Other significant products:*

6. J.M. Casas, B.A. Omirov and U.A. Rozikov, Solvability criteria for the equation  $x^q = a$  in the field of  $p$ -adic numbers, Bulletin of the Malaysian Mathematical Sciences Society, 37(3) (2014), 853-863.
7. J.M. Casas, M. Ladra, B.A. Omirov B.A. and U.A. Rozikov, On nilpotent index and dibaricity of evolution algebras, Linear algebra and its Applications, 439 (2013), 90-105.
8. M. Ladra, U.A. Rozikov, Evolution algebra of a bisexual population. Jour. Algebra. 378 (2013) 153–172.
9. U.A. Rozikov, J.P. Tian, Evolution algebras generated by Gibbs measures. Lobachevskii Jour. Math. 32(4) (2011) 270–277.

10. J.M. Casas, M. Ladra, U.A. Rozikov, A chain of evolution algebras. *Linear Algebra Appl.* 435(4) (2011) 852-870.

#### **D. Synergistic activities:**

Currently supervising the research of 2 Masters students and 2 Ph.D. students. In the past four years, directed the research of 10 undergraduate students, 12 Masters students and 5 Ph.D. students. Published 4 papers jointly with students.

Presented 15 research talks in the past four years at international and national meetings as well as in colloquia/seminars at institutions in Uzbekistan and abroad.

In the past four years, refereed 14 papers for 8 mathematical journals.

#### **Collaborators & co-Editors:**

##### (i) *Collaborators:*

S. Albeverio, Institute of Applied Mathematics, University of Bonn, Germany  
J.P. Tian, College of William and Mary, USA  
C. Kuelske, Ruhr University, Bochum, Germany  
M. Cassandro, Gran Sasso Science Institute, LAquila, Italy  
T. Merola, University LAquila, Italy  
D. Gandolfo, CPT, Marseille, France  
J. Ruiz, CPT, Marseille, France  
P. Picco, University Provence, Marseille, France  
R. Varro, University Montpellier, France  
A. Labra, University Chile, Chile  
J.F. Mendes, University Aveiro, Portugal  
F. Hiroshima, Kyushu University, Fukuoka, Japan  
J. Lorinczi, Loughborough University, UK  
J. Martin, Oxford University, UK  
Yu. Suhov, Cambridge University, UK  
Y. Velenik, Geneva University, Switzerland  
M. Ladra, University of Santiago de Compostela, Spain  
J.M. Casas, University of Vigo, Spain  
F.M. Mukhamedov, International Islamic University, Malaysia  
B.A. Omirov, Institute of Mathematics, Uzbekistan Academy of Sciences  
S. Uguz, Harran University, Turkey  
S. Temir, Harran University, Turkey  
H. Akin, Zirve University, Turkey

##### (ii) *co-Editors:*

A. Azamov, Institute of Mathematics, Uzbekistan Academy of Sciences.

##### (iii) *Graduate Advisor*

Ph.D. Advisor - N.N. Ganikhodjaev, International Islamic University, Malaysia

##### (iv) *Thesis Advisor and Postgraduate-Scholar Sponsors:*

*Current Graduate Students:*

I.A. Sattarov, PhD student, Institute of mathematics, Tashkent, Uzbekistan  
U.U. Jamilov, Doctoral fellow, Institute of Mathematics, Tashkent, Uzbekistan

*Former Graduate Students:*

U.U. Jamilov, PhD 2011. currently at the Institute of Mathematics, Tashkent, Uzbekistan.  
G.I. Botirov, PhD 2010, currently at Institute of Mathematics, Tashkent, Uzbekistan.  
M.M. Rahmatullaev, PhD 2009, currently at Institute of Mathematics, Tashkent, Uzbekistan.  
Sh.A. Shoyusupov, PhD 2008, currently at Namangan State University, Uzbekistan.  
E.P. Normatov, PhD 2007, currently at National University of Uzbekistan.  
A.Yu. Hamraev, PhD 2006, currently at Qarshi State University, Uzbekistan.