

## Associate Professor Nurmamedov M.A.

### Education:

*October 1984 to December 1987*

Department of Mathematics, the Novosibirsk University, Academy City, Russia,  
Novosibirsk Postgraduate student (full-time),  
PhD Degree in Physics-Mathematics; Doctorial II dissertation is presented.  
Thesis is ready.

*September 1973 to July 1981*

Faculty of Mathematics and Mechanics, the Azerbaijan State University, Baku  
Full-time student (Including military service during 1974 - 1976 in Germany - DDR),  
Diploma in Mathematics

### Knowledge of languages:

Fluency in English, Turkish, Russian and Azerbaijani

### Religion:

Muslim

### Publications:

About 42 (without co-authors) publications including 2 books:

1. “**Lectures in Higher Mathematics for Economists**”, 220 pp., Outskirts Press,  
Inc. ISBN: 978-1-4327-2725-3, Library of Congress Control Number:  
2008934491, Printed in the United States of America.

<http://www.outskirtspress.com>

2. “**Numerical Methods and Applications**”, Baku, 2001, 141 p.

### Subject Matters:

Calculus, Mathematical Analysis, Numerical Analysis, Differential Equations,  
Linear Algebra, Probability Theory and Statistics, Mathematical Modelling

## **List of publications by Associate Professor Nurmamedov M.A.**

1. **Nurmamedov M.A.** The first boundary value problems for the equation of mixed type, in Proceedings “Non-classical equations of mathematical physics”, Institute of Mathematics of Siberian Branch of the Academy of Sciences, USSR, Novosibirsk, 1985, p.117-122 (in Russian)
2. **Nurmamedov M.A.** Some of well-posed B.V.P. for equations of mixed type with orthogonal linear degeneration, in Proceedings “Some problems of differential equations and discrete mathematics”, Novosibirsk State University, Novosibirsk, 1986, p.104-107 (in Russian)
3. **Nurmamedov M.A.** On the B.V.P. for degenerative quasi-linear equations of mixed type, in Proceedings “Non-classical equations of mathematical physics”, Siberian Branch of the Academy of Sciences. USSR, Novosibirsk, 1986, p.175-178 (in Russian)
4. **Nurmamedov M.A.** The first B.V.P. for equations of mixed type with several plane degeneration, in Proceedings “Classical and non-classical B.V.P. for partial differential equations, Special functions, Integral equations and their applications”. Samara State Pedagogical Institute. 1987, Samara, p.109-110 (in Russian)
5. **Nurmamedov M.A.** On the B.V.P. for the equations of mixed type with several plans degeneration, in Proceedings “Non-linear problems of mathematical physics”, Donechk, 1986, p.104 (in Russian)
6. **Nurmamedov M.A.** Some of well-posed B.V.P. for equations of mixed type with changing of time direction, in Proceedings “Non-classical equations of mathematical physics”, Institute of Mathematics of Siberian Branch of the Academy Sciences, USSR, Novosibirsk, 1987, p.161-169 (in Russian)
7. **Nurmamedov M.A.** The secondary B.V.P. for equations of mixed type with changing of time direction, in Proceedings of Conference, Novosibirsk State University, Novosibirsk, 1987, p.64-66 (in Russian)
8. **Nurmamedov M.A.** On the B.V.P. for degenerated non-linear equations of mixed type, in Proceedings of Conference, Novosibirsk State University, Novosibirsk, 1988, p.63-64 (in Russian)
9. **Nurmamedov M.A.** On the B.V.P. for degenerated non-linear equations of mixed type with changing of time direction, in Proceedings “Second North-Caucasian regional conference of the functional-differential equations and their application, Makhachgala, 1989, p.157 (in Russian)

10. **Nurmamedov M.A.** Two B.V.P. for non-linear equations of mixed type with changing of time direction, in Proceedings of the Institute of Mathematics and Mechanics of the Azerbaijan National Academy of Sciences, Baku, 1995, p.168-176 (in Russian)
11. **Nurmamedov M.A.** The first boundary value problem for higher order equations of mixed type, in Proceeding “Second Siberian Congress of fundamental and industrial, applied mathematics, the Institute of Mathematics named after Academician S.L.Sobolev, Novosibirsk, Siberian Branch of the Russian Academy of Sciences, Novosibirsk, 1996, p.93 (in Russian)
12. **Nurmamedov M.A.** On the theory of well-posed boundary value problems for degenerated non-linear equations of mixed type with changing of time direction, Sakarya Mathematical Symposium, Turkey, 1997, p.74 (in English)
13. **Nurmamedov M.A.** On the solvability of one boundary value problem for equations of non-classical type, in Proceedings of the Azerbaijan State Oil Academy, №4, 2000, Baku, p.67-76 (in Russian)
14. **Nurmamedov M.A.** The models for two-stage filtration. In Proceedings of the Conference in Azerbaijan State Oil Academy, 2000, Baku, p.205-206 (in Russian)
15. **Nurmamedov M.A.** The periodical problems for equations of non-classical type, in Proceedings of Conference dedicated to the 90th anniversary of prof. A.Novruzov, Azerbaijan Technical University, Baku, 2001, p.36-37 (in Russian)
16. **Nurmamedov M.A.** “The Numerical Methods” (handbook) Registered in Ministry of Education, №1082, 05.11.2001, 141 p., Baku (in Azerbaijan)
17. **Nurmamedov M.A.** On the solvability of non-local boundary value problems for equations of mixed type in space, in Proceedings of Lankaran State University, Lankaran №1, 2002, p.96-99 (in Russian)
18. **Nurmamedov M.A.** The non-local boundary value problems for equations of non-classical type, in “Mathematical methods”, Proceedings of the Azerbaijan State Oil Academy, Baku, 2002, p.308-312 (in Russian)
19. **Nurmamedov M.A.** On the solvability of mixed boundary value problems for equations of non-classical type with higher order, in Proceeding of the Conference “Methods of the Mathematical Physics” dedicated to the centennial Anniversary of academician M.L.Rasulov, Baku State University, Baku, 2006, p.147-150 (In Russian)
20. **Nurmamedov M.A.** On the solvability of local boundary value problems for the systems equations of mixed-composite type with changing of time direction in space, in Proceedings of the Conference on differential and integral equations dedicated to 90th Anniversary of Prof. Q.T.Ahmadov, Baku State University, Baku, 2007, p.45-46 (in Russian)

21. **Nurmamedov M.A.** One boundary value problem for the quasi-linear systems equations of mixed-composite type with changing of time direction in space, in Proceedings of the Conference on differential equations dedicated to the centennial Anniversary of academician A.I.Hüseynov, Baku State University, Baku, 2007, p.125-126 (in Russian)
22. **Nurmamedov M.A.** The solvability of mixed boundary value problems for the quasi-linear equations of mixed type, in Proceedings of the Conference on the Modeling and Computer Mathematics, Sumgait State University. Sumgait, 2007, p.103 (in Russian)
23. **Nurmamedov M.A.** The well posed-ness of B.V.P. with derivatives in boundary conditions for the quasi-linear systems equations of mixed type with changing of time direction in space, in Proceedings “II International Conference on Application of Information-Communication Technologies in Science and Education”, Qafqaz University, Baku, 2007, p.449-455 (in English)
24. **Nurmamedov M. A.** On the solvability of one B.V.P. for the systems equations of mixed-composite type in multidimensional domain, News of Baku University, Physical-Mathematical sciences, №1, Baku State University, 2008 p.35-43(in Russian)
25. **Nurmamedov M.A.** The some of well-posed boundary value problems for the systems equations of mixed type with changing of time direction in space. “Journal of Fundamental Scientific Research”, Azerbaijan Technical University, Baku, 2008, №1, Vol. VII (25), p.68-74 (in Russian)
26. **Nurmamedov M.A.** The development of the theory of partial differential equations of mixed type with changing of time direction, in Proceedings of the International Conference on differential equations and topology dedicated to the Centennial Anniversary of academician L.S.Pontryagin, Moscow State University, Moscow, 2008, p.61-62 (in English)
27. **Ali M.Abbasov, Nurmamedov M.A.** “Lectures in Higher Mathematics for Economists”, Outskirts Press, Inc., [http:// www.outskirtspress.com](http://www.outskirtspress.com), 2008, 220 p., (in English)  
ISBN: 978-1-4327-2725-3, Mathematics – Advanced Library of Congress Control Number: 2008934491, Printed in the United States of America
28. **Nurmamedov M.A.** On the solvability of B.V.P. for the nonlinear systems equations of mixed type, in Proceedings of the II International Conference of Computer Mathematics, Institute of Applied Mathematics, Baku State University, Baku, 2008, p.145 June 2 – 4 (in English)
29. **Nurmamedov M.A.** On the solvability well posed boundary value problems of forward-backward system equations of mixed type. International Conference of Mathematical Physics and its applications. Russian Academy of Sciences, Math. Inst.

after V.A.Steklov and Samara State University, 8-13 September 2008, p.140 – 144 (in Russian)

30. **Nurmamedov M.A.** The well-posedness a non-local boundary value problem for system equations of non-classical type in multidimensional domain. “Journal of Fundamental Scientific Research”, Azerbaijan Technical University, Baku, 2008, №1, Vol. VII (28), p.89-93 (in Russian)
31. **Nurmamedov M.A.** On the solvability of the first local boundary value problems for linear systems equations of non-classical type with second order. Russian Academy of Sciences, Adigey International Academy of Sciences, Nalchik, 2008, Vol. 10, №2, p.51-58 (in English)
32. **Nurmamedov M.A.** On the solvability of the first non-local boundary value problems for equation of non-classical type with even higher order. Russian Academy of Sciences, Adigey International Academy of Sciences, Nalchik, 2008, Vol. 10, №2, p.43-50 (in Russian)
33. **Nurmamedov M.A.** Some applications of the theory of equation of mixed type with changing of time direction, the news of the Azerbaijan National Academy of Sciences, Physics-Mathematics Sciences, Baku, №1, 2009, p.44-54 (in English)
34. **Nurmamedov M.A.** The solvability of boundary value problems with derivatives in boundary condition for equation of non-classical type with higher even order. News Baku State University Sec. Physics-Math. №1, 2009, p.44-54 (in Russian)
35. **Nurmamedov M.A.** On the boundary value problems for semi-linear system equations of mixed and composite type, in case of self-adjoint elliptical operator include in system. Russian Academy of Science International Russian – Abkhaz Symposium Equation of mixed type and nearly problems analysis and Informatics. Nalchik – Elbrus 21-23 may 2009, p.178-181 (in Russian)
36. **Nurmamedov M.A.** The solvability of a non-local boundary value problem for linear system equations of non-classical type // International Sci. Conference anniversary 90 of Baku State University. Natural Sci. 30-31 October 2009, p.99-100
37. **Nurmamedov M.A.** The well-posed non-local boundary value problem for system equation of non-classical type in multidimensional domain // Russian Academy. News Dagestan’s Scientific Center, 2010, № 36, p.9-14
38. **Nurmamedov M.A.** On the solvability of a non-local boundary value problem for equation of non-classical type in multidimensional domain // Russian Voronej State Pedagogical University, Scientific Technique Journal, T. and Methodical of Education, 2010, № 1, p. 32-36

39. **Nurmamedov M.A.** The solvability of a boundary value problem for degenerating quasi-linear system equation of non-classical type in multidimensional domain // Russian Voronej State Pedagogical University, Scientific Technique Journal, T. and Methodical of Education, 2010, № 1, p.36-44
40. **Nurmamedov M.A.** On the solvability of a non-local boundary value problem for linear system equation of non-classical type in multidimensional domain // Russian Voronej State Pedagogical University, Scientific Technique Journal, T. and Methodical of Education, 2010, № 2, p.33-38
41. **Nurmamedov M.A.** The solvability of a boundary value problem for quasi-linear system equations of mixed-composite type with changing direction in multidimensional domain // Russian Academy of Science, VladiKavkaz Mathematical Journal, Mathematics, 2010, V. 1, №2, p.46 – 61, Baku
42. **Nurmamedov M.A.** On the solvability of a boundary value problem for linear system equations of non-classical type in multidimensional domain // Journal of Qafqaz University. Number 29, Volume 1, 2010. Mathematics and Computer Science, p. 71-79, Baku