Curriculum Vitae – Ali Huseynli

Address:

Department of Mathematics

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Date of Birth: January 1983

Work Experience

2008 - 2015   Assistant Professor, Department of Mechanics and Mathematics, Baku State University

2010 - 2015   Research Fellow, Department of Functional Analysis, Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan

2014 - …   Senior Research Fellow, Department of Non-Harmonic Analysis, Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan

2015 - …   Khazar University, Head of the Department of Mathematics

Education and Degrees

2007 - 2009   **Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan**

Ph.D., Mathematics

Thesis Subject: Basis properties of eigen and associated functions of second order ordinary differential operators

2004 - 2006   **Department of Mechanics and Mathematics, Baku State University**

M.S., Mathematics *(Honors Diploma)*

2000 - 2004   **Department of Mechanics and Mathematics, Baku State University**

B.S. *(Honors Diploma)*

Research Interests

Functional Analysis, Spectral theory, Geometry of Banach Spaces

Publications

1. A. A. Huseynli, Basis properties of some systems in Banach spaces. Trans. NAS of Azerb. XXVII, №4, 2007 pp. 43-46.

2. A. A. Huseynli, Some properties of defect bases and bases of subspaces. Trans. NAS of Azerb. XXVIII, №1, 2008, pp. 55-62.

3. A. A. Huseynli, On the stability of basisness in $L_p, p > 1$ of cosines and sines, Turkish Journal of Mathematics, 35 (2011), p. 47-54.

4. T. B. Gasymov, A. A. Huseynli, Asymptotics of eigenvalues and eigenfunctions of a discontinuous boundary value problem, Proceeding of IMM of NAS of Azerbaijan, 2011, vol. XXXV(LXIII), pp. 21-32.

5. T. B. Gasymov, A. A. Huseynli, On the completeness of the eigen and associated functions of a second order discontinuous differential, Transactions of NAS of Azerbaijan, Issue Mathematics, vol. LXVIII, 2012, №1, pp. 3-7.

6. Huseynli A. A., Mirzoyev V. S., Quliyeva A. A. On Basicity of the Perturbed System of Exponents in Morrey-Lebesgue Space. AzJM, vol 7, No 2, 2017, pp. 197-216.

7. Bilalov B.T., Huseynli A. A., Aleskerov M. I. On the basicity of unitary system of exponents in the variable exponent Lebesgue spaces. Transactions of NAS of Azerbaijan, Issue Mathematics, Series of Physical-Technical and Mathematical Sciences, 37 (1), (2017), pp. 63–76.

8. Bilalov B.T., Huseynli A. A., Seyidova F. Sh. Riemann boundary value problems in generalized weighted Hardy spaces, Proceedings of the Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan. Volume 43, Number 2, 2017, pp. 240–251.

9. A. Huseynli, A. Mirzabalayeva. $L_{p;r}$ spaces: Cauchy Singular Integral, Hardy Classes and Riemann-Hilbert Problem in this Framework, Sahand Communications in Mathematical Analysis (SCMA)Vol 16 (No1), 2019, pp.83-91.

10. B.T. Bilalov, A. A. Huseynli, S. R. El-Shabrawy, Basis Properties of Trigonometric Systems in Weighted Morrey Spaces, Azerbaijan Journal of Mathematics, 2019, Vol. 9 Issue 2, pp.183-209.

Organized Conferences

1. **First Operators, Functions, and Systems of Mathematical Physics Conference, an international Conference, 21-25 May, 2018, Khazar University, Baku, Azerbaijan,**
2. **Second Operators, Functions, and Systems of Mathematical Physics Conference, an international Conference, 10-14 June, 2019, Khazar University, Baku, Azerbaijan**

Grant Projects

- **Science Development Foundation Under the President of the Republic of Azerbaijan**, 3rd Grant Competition for Young Scientists and Specialists: "The basis properties of the system of eigen and associated functions of a parameter dependent non-selfadjoint discontinuous boundary value problem", 2014, EİF/GAM-3-2014-6(21)

- **Baku State University:** "50+50 University Grant", 2013

Teaching Experience

Fall 2010 – Advanced Calculus, Baku State University
Spring 2010 – Multivariable Calculus, Baku State University
Fall 2011 – Graduate Spectral Theory, Baku State University
Spring 2011 – Multivariable Calculus, Baku State University
Fall 2012 – Mathematical Analysis-1, Baku State University
Spring 2012 – Mathematical Analysis-2, Baku State University
Fall 2013 – Complex Variables, Baku State University
Spring 2013 – Theory of Functions of Real Variables, Baku State University
Fall 2014 – Undergraduate Functional Analysis, Baku State University
Spring 2014 – Advanced Complex Analysis, Baku State University
Fall 2015 – Advanced Topics in Functional Analysis, Baku Statte University
Spring 2015 – Multivariable Calculus, Baku State University
Fall 2016 – Undergraduate Calculus, Khazar University
Spring 2016 – Undergraduate Calculus, Khazar University
Fall 2017 – Undergraduate Linear Algebra, Khazar University
Spring 2017 – Applied Differential Equations, Khazar University
Fall 2018 – Undergraduate Linear Algebra, Khazar University
Spring 2018 – Undergraduate Calculus, Khazar University
Fall 2019 – Undergraduate Calculus, Khazar University
Spring 2019 – Undergraduate Linear Algebra, Khazar University

Language Skills

Azerbaijani (native), English (good), Russian (good)