



## Faculty of Physics and Mathematics



L.F.M.

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POSITION

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ACADEMIC DEGREE	<ul style="list-style-type: none"> <li>• <b>2010</b> – Candidate of Physical and Mathematical Sciences, National University of Uzbekistan</li> <li>• <b>2001–2003</b> – Master's Degree, Urgench State University</li> <li>• <b>1997–2001</b> – Bachelor's Degree, Urgench State University</li> </ul>
WORK EXPERIENCE	<ul style="list-style-type: none"> <li>• <b>2018 – present</b> – Associate Professor, Department of Mathematical Analysis, Urgench State University</li> <li>• <b>2015 – 2017</b> – Head of the Department of Mathematics, Urgench State University</li> <li>• <b>2012 – 2015</b> – Associate Professor, Department of Mathematics, Urgench State University</li> <li>• <b>2010 – 2012</b> – Lecturer, Department of Function Theory, Urgench State University</li> <li>• <b>2007 – 2010</b> – Postgraduate student, Department of Function Theory, Urgench State University</li> <li>• <b>2003 – 2007</b> – Assistant Lecturer, Department of Function Theory, Urgench State University</li> </ul>
SPECIALIZATION	<ul style="list-style-type: none"> <li>• Mathematical Analysis</li> </ul>
SUBJECTS TAUGHT	<ul style="list-style-type: none"> <li>• Mathematical Analysis</li> <li>• Functional Analysis</li> <li>• Theory of Functions of a Complex Variable</li> </ul>
RESEARCH WORK	Analytic continuation of functions given on a family of straight lines
RESEARCH WORK	<ul style="list-style-type: none"> <li>• Criteria of pluriharmonicity for <math>n</math> harmonic functions, DAN RUz, Tashkent, 2008, No. 5.</li> <li>• Criteria of <math>n</math>-harmonicity and pluriharmonicity of harmonic functions, Uzbek Mathematical Journal, 2009, No. 1.</li> <li>• On the meromorphic extension along complex lines, TWMS Journal of Pure and Applied Mathematics, Vol. 2, No. 1, 2011.</li> </ul>

	<ul style="list-style-type: none"> <li>• Series by homogeneous functions, <i>Uzbek Mathematical Journal</i>, 2012, No. 3.</li> <li>• Weakly m-harmonic functions, <i>DAN RUz</i>, 2014, No. 3.</li> <li>• Analogue of Lelong's theorem for m-subharmonic functions, <i>DAN RUz</i>, 2015, No. 1.</li> <li>• Analogue of Lelong's theorem for m-subharmonic functions, <i>Contemporary Mathematics</i>, American Mathematical Society, Vol. 662, 2016.</li> <li>• Potential theory of <math>\alpha</math> - subharmonic functions, <i>Uzbek Mathematical Journal</i>, 2016, No. 3.</li> <li>• Some important properties of <math>\alpha</math> -subharmonic functions, <i>Ilm Sarchashmalari</i>, 2016, No. 6.</li> <li>• Riesz representation of <math>\alpha</math> -subharmonic functions, <i>Ilm Sarchashmalari</i>, 2017, No. 2.</li> <li>• Capacity in the class of <math>\alpha</math> -subharmonic functions and its properties, <i>Ilm Sarchashmalari</i>, 2018, No. 6.</li> <li>• <math>\alpha</math>-capacity and its relation with transfinite <math>k\alpha</math>-diameter in the class of <math>\alpha</math>-subharmonic functions, <i>Bulletin of Khorezm Mamun Academy</i>, 2020, No. 10.</li> <li>• Methods for solving some combinatorial Olympiad problems, <i>Physics, Mathematics and Informatics</i>, 2021, No. 4.</li> <li>• On methods for solving some Diophantine equations, <i>Physics, Mathematics and Informatics</i>, 2022, No. 3.</li> <li>• On the fundamental solution of the <math>\Delta_\alpha</math> operator with constant coefficients, <i>Bulletin of Urgench State Pedagogical Institute</i>, 2023, No. 1.</li> <li>• Applications of Stirling numbers in combinatorial problems, <i>Physics, Mathematics and Informatics</i>, 2024, No. 6.</li> <li>• Fermat–Euler theorem and its applications, <i>Physics, Mathematics and Informatics</i>, 2025, No. 2.</li> <li>• On some Diophantine equations in two variables, <i>Physics, Mathematics and Informatics</i>, 2025, No. 3.</li> <li>• On the cardinality of the solution set of some Diophantine equations with three unknowns, <i>Physics, Mathematics and Informatics</i>, 2025, No. 3.</li> <li>• Integral properties of <math>\alpha</math> -subharmonic functions in space <math>\mathbb{C}^2</math>, <i>Ilm Sarchashmalari</i>, Urgench, 2025, No. 5/1.</li> </ul>
CURRENT RESEARCH	Potential theory in the class of subharmonic functions