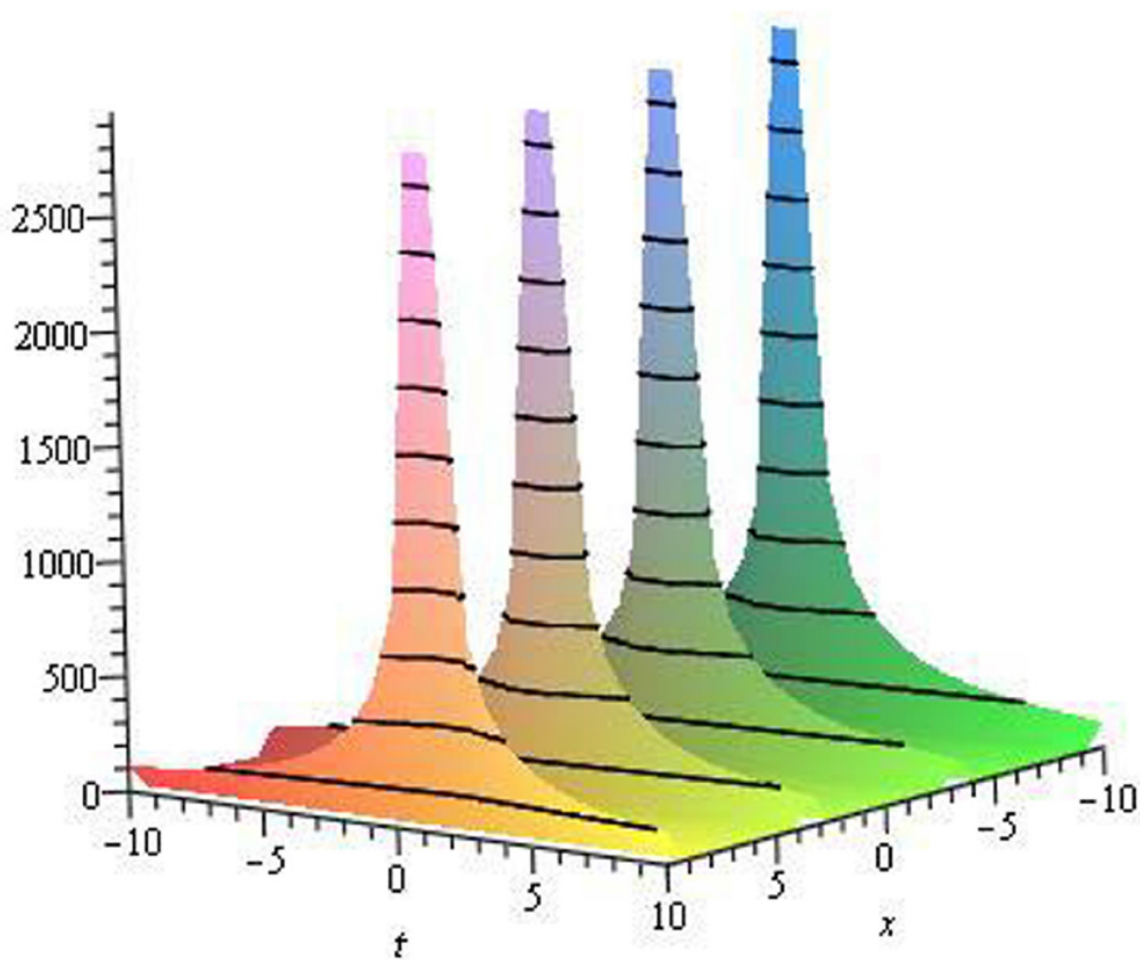


ISSN: 2332-2071
Volume 8 Number 2 2020



Mathematics and Statistics

<http://www.hrpublishing.org>

Horizon Research Publishing, USA

Mathematics and Statistics

Mathematics and Statistics is an international peer-reviewed journal that publishes original and high-quality research papers in all areas of mathematics and statistics. As an important academic exchange platform, scientists and researchers can know the most up-to-date academic trends and seek valuable primary sources for reference. The subject areas include, but are not limited to the following fields: Algebra, Applied Mathematics, Approximation Theory, Combinatorics, Computational Statistics, Computing in Mathematics, Operations Research Methodology, Discrete Mathematics, Mathematical Physics, Geometry and Topology, Logic and Foundations of Mathematics, Number Theory, Numerical Analysis, Probability Theory, Central Limit Theorem Computation, Sample Survey, Statistical Modelling, Statistical Theory.

General Inquires

Publish with HRPUB, learn about our policies, submission guidelines etc.

Email: editor@hrpub.org

Tel: +1-626-626-7940

Subscriptions (Electronic Version Only)

Journal Title: Mathematics and Statistics

Journal's Homepage: http://www.hrpub.org/journals/jour_info.php?id=34

Publisher: Horizon Research Publishing Co.,Ltd

Publication Frequency: bimonthly

Electronic Version: freely online available at http://www.hrpub.org/journals/jour_info.php?id=34

Online Submission

Manuscripts should be submitted by Online Manuscript Tracking System (<http://www.hrpub.org/submission.php>).

If you are experiencing difficulties during the submission process, please feel free to contact the editor at submission@hrpub.org.

Copyright

Authors retains all copyright interest or it is retained by other copyright holder, as appropriate and agrees that the manuscript remains permanently open access in HRPUB 's site under the terms of the Creative Commons Attribution International License (CC BY). HRPUB shall have the right to use and archive the content for the purpose of creating a record and may reformat or paraphrase to benefit the display of the record.

Creative Commons Attribution License (CC-BY)

All articles published by HRPUB will be distributed under the terms and conditions of the Creative Commons Attribution License(CC-BY). So anyone is allowed to copy, distribute, and transmit the article on condition that the original article and source is correctly cited.

Open Access

Open access is the practice of providing unrestricted access to peer-reviewed academic journal articles via the internet. It is also increasingly being provided to scholarly monographs and book chapters. All original research papers published by HRPUB are available freely and permanently accessible online immediately after publication. Readers are free to copy and distribute the contribution under creative commons attribution-non commercial licence. Authors can benefit from the open access publication model a lot from the following aspects:

- High Availability and High Visibility-free and unlimited accessibility of the publication over the internet without any restrictions;
- Rigorous peer review of research papers----Fast, high-quality double blind peer review;
- Faster publication with less cost----Papers published on the internet without any subscription charge;
- Higher Citation----open access publications are more frequently cited.

Mathematics and Statistics

Editor-in-Chief

Prof. Dshalalow Jewgeni

Florida Inst. of Technology, USA

Deputy Editor-in-Chief

Prof. Sergey Sudoplatov

Sobolev Institute of Mathematics, Russia

Prof. Francisco Gallego Lupianez

Universidad Complutense de Madrid, Spain

Prof. Irina Burova

St. Petersburg State University, Russia

Prof. Ravi P. AGARWAL

Texas A&M University, USA

Members of Editorial Board

Prof. Rachid El Harti

Hassan First University, Morocco

Prof. H. M. Srivastava

University of Victoria, Canada

Prof. Veli Shakhmurov

Okan University, Turkey

Prof. Liang-yun Zhang

Nanjing Agricultural University, China

Prof. Birol Altın

Gazi University, Turkey

Prof. Emanuele Galligani

University of Modena and Reggio Emilia, Italy

Prof. Ramalingam Shanmugam

Texas State University, USA

Prof. Manoj Sahni

Pandit Deendayal Petroleum University, India

Prof. Ayhan Esl

Malatya Turgut Ozal University, Turkey

Prof. Mahmoud Mohammed Mostafa El-Borai

Alexandria University, Egypt

Prof. Serguei Pergamenchikov

Rouen University, France

Prof. Allaberen Ashyralyev

Near East University, Turkey

Prof. Semra Erpolat Taşabat

Mimar Sinan Fine Arts University, Turkey

Prof. Olivier Olela Otafudu

University of the Witwatersrand, South Africa

Prof. Leonid N. Yasnitsky

Perm State University, Russia

Prof. Andriy Zagorodnyuk

Vasyl Stefanyk Precarpathian National University, Ukraine

Dr. Debaraj Sen

Concordia University, Canada

Dr. Antonio Maria Scarfone

National Research Council, Italy

Dr. Vadim Kryakvin

Southern Federal University, Russia

Dr. Azam Imomov

Karshi State University, Uzbekistan

Dr. Evgeny Maleko

Magnitogorsk State Technical University, Russia

Dr. İmdat İşcan

Giresun University, Turkey

Dr. Pradeep Kumar Pandey

Jaypee University of Information Technology, India

Dr. N. Gunasekaran

Shibaura Institute of Technology, Japan

Mathematics and Statistics

Volume 8 Number 2 2020

A New Method to Estimate Parameters in the Simple Regression Linear Equation*(<https://www.doi.org/10.13189/ms.2020.080201>)*

Agung Prabowo, Agus Sugandha, Agustini Tripena, Mustafa Mamat, Sukono, Ruly Budiono75

From Exploratory Data Analysis to Exploratory Spatial Data Analysis*(<https://www.doi.org/10.13189/ms.2020.080202>)*

Patricia Abelairas-Etxebarria, Inma Astorkiza82

The Semi Analytics Iterative Method for Solving Newell-Whitehead-Segel Equation*(<https://www.doi.org/10.13189/ms.2020.080203>)*

Busyra Latif , Mat Salim Selamat, Ainnur Nasreen Rosli, Alifah Ilyana Yusoff, Nur Munirah Hasan.....87

On Degenerations and Invariants of Low-Dimensional Complex Nilpotent Leibniz Algebras*(<https://www.doi.org/10.13189/ms.2020.080204>)*

Nurul Shazwani Mohamed, Sharifah Kartini Said Husain, Faridah Yunos95

Comparison Analysis: Large Data Classification Using PLS-DA and Decision Trees*(<https://www.doi.org/10.13189/ms.2020.080205>)*

Nurazlina Abdul Rashid, Norashikin Nasaruddin, Kartini Kassim, Amirah Hazwani Abdul Rahim.....100

Semi Bounded Solution of Hypersingular Integral Equations of the First Kind on the Rectangle*(<https://www.doi.org/10.13189/ms.2020.080206>)*

Zainidin Eshkuvatov, Massamdi Kommuji, Rakhmatullo Alov, Nik Mohd Asri Nik Long, Mirzoali Khudoyberganov106

Geometric Topics on Elementary Amenable Groups*(<https://www.doi.org/10.13189/ms.2020.080207>)*

Mostafa Ftouhi, Mohammed Barmaki, Driss Gretete121

Sufficient conditions for univalence obtained by using Briot-Bouquet differential subordination*(<https://www.doi.org/10.13189/ms.2020.080208>)*

Georgialrina Oros, Alina Alb Lupas126

Probability Aspects of Entrance Exams at University*(<https://www.doi.org/10.13189/ms.2020.080210>)*

Jindrich Klufa142

Numerical Simulation of a Two-Dimensional Vertically Averaged Groundwater Quality Assessment in Homogeneous Aquifer Using Explicit Finite Difference Techniques (https://www.doi.org/10.13189/ms.2020.080211)	
Supawan Yena, Nopparat Pochai.....	152
Orthogonal Splines in Approximation of Functions (https://www.doi.org/10.13189/ms.2020.080212)	
Leontiev V. L.	167
Analysis of the Element's Arrangement Structures in Discrete Numerical Sequences (https://www.doi.org/10.13189/ms.2020.080213)	
Anton Epifanov	173
The Way of Pooling p-values (https://www.doi.org/10.13189/ms.2020.080214)	
Fausto Galetto.....	181
Solvability, Completeness and Computational Analysis of A Perturbed Control Problem with Delays (https://www.doi.org/10.13189/ms.2020.080215)	
Ludwik Byszewski, Denis Blackmore, Alexander A. Balinsky, Anatolij K. Prykarpatski, Mirosław Lućtyk ...	187
Improved Frequency Table with Application to Environmental Data (https://www.doi.org/10.13189/ms.2020.080216)	
Mohammed M. B., Adam M. B., Zulkafli H. S., Ali N.	201
Groundwater-quality Assessment Models with Total Nitrogen Transformation Effects (https://www.doi.org/10.13189/ms.2020.080217)	
Supawan Yena, Nopparat Pochai.....	210
Approximations for Theories of Abelian Groups (https://www.doi.org/10.13189/ms.2020.080218)	
Inessa I. Pavlyuk, Sergey V. Sudoplatov	220
Stochastic Decomposition Result of an Unreliable Queue with Two Types of Services (https://www.doi.org/10.13189/ms.2020.080219)	
Gautam Choudhury, Akhil Goswami, Anjana Begum, Hemanta Kumar Sarmah	225

Mathematics and Statistics

Call for Papers

Mathematics and Statistics is an international peer-reviewed journal that publishes original and high-quality research papers in all areas of mathematics and statistics. As an important academic exchange platform, scientists and researchers can know the most up-to-date academic trends and seek valuable primary sources for reference.

Aims & Scope

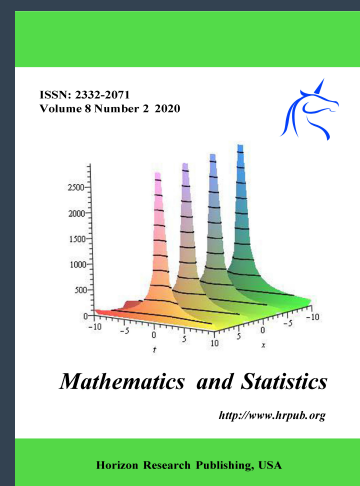
- Algebra
- Applied Mathematics
- Approximation Theory
- Combinatorics
- Computational Statistics
- Computing in Mathematics
- Operations Research Methodology
- Discrete Mathematics
- Mathematical Physics
- Geometry and Topology
- Logic and Foundations of Mathematics
- Number Theory
- Numerical Analysis
- Probability Theory
- Central Limit Theorem Computation
- Sample Survey
- Statistical Modelling
- Statistical Theory

Editorial Board

- | | |
|---|---|
| Prof. Dshalalow Jewgeni | Florida Inst. of Technology, USA |
| Prof. Sergey Sudoplatov | Sobolev Institute of Mathematics, Russia |
| Prof. Francisco Gallego Lupianez | Universidad Complutense de Madrid, Spain |
| Prof. Irina Burova | St. Petersburg State University, Russia |
| Prof. Ravi P. AGARWAL | Texas A&M University, USA |
| Prof. Rachid El Harti | Hassan First University, Morocco |
| Prof. H. M. Srivastava | University of Victoria, Canada |
| Prof. Veli Shakhmurov | Okan University, Turkey |
| Prof. Liang-yun Zhang | Nanjing Agricultural University, China |
| Prof. Birol Altin | Gazi University, Turkey |
| Prof. Emanuele Galligani | University of Modena and Reggio Emilia, Italy |
| Prof. Ramalingam Shanmugam | Texas State University, USA |
| Prof. Manoj Sahni | Pandit Deendayal Petroleum University, India |
| Prof. Ayhan Esİ | Malatya Turgut Ozal University, Turkey |
| Prof. Mahmoud Mohammed Mostafa El-Borai | Alexandria University, Egypt |
| Prof. Serguei Pergamenchikov | Rouen University, France |
| Prof. Allaberen Ashyralyev | Near East University, Turkey |
| Prof. Semra Erpolat Tasabat | Mimar Sinan Fine Arts University, Turkey |
| Prof. Olivier Orela Otafudu | University of the Witwatersrand, South Africa |
| Prof. Leonid N. Yasnitsky | Perm State University, Russia |
| Prof. Andriy Zagorodnyuk | Vasyl Stefanyk Precarpathian National University, Ukraine |
| Dr. Debaraj Sen | Concordia University, Canada |
| Dr. Antonio Maria Scarfone | National Research Council, Italy |
| Dr. Vadim Kryakvin | Southern Federal University, Russia |

Manuscripts Submission

Manuscripts to be considered for publication have to be submitted by Online Manuscript Tracking System(<http://www.hrpub.org/submission.php>). If you are experiencing difficulties during the submission process, please feel free to contact the editor at submission@hrpub.org.



Contact Us

Horizon Research Publishing
2880 ZANKER RD STE 203
SAN JOSE, CA 95134
USA
Email: editor@hrpub.org

Submit your paper at http://www.hrpub.org/journals/jour_submitmanuscript.php?id=34

Available Online http://www.hrpub.org/journals/jour_info.php?id=34