



Biography

Well come to my personal web page

Dr. A. R. M. Jalal Uddin Jamali

Professor

Research Area Transportation Problem
Distance Problem Optimization Optimization
Optimization Optimization Packing Problem
LHD Distance Problem Evolutionary Algorithm
Experimantal design, Numerical analysis,
Operation Research, Evolutionary Algorithm

Education

Doctor of Philosophy

University of Torino, Italy., Bangladesh(2005-2009)

Thesis Title: [Heuristic Approaches for Maximin Distance and Packing Problems](#)

Master of Philosophy

KUET, Khulna, Bangladesh, Bangladesh(2002-2004)

Thesis Title: [Study of Solving Linear Equations by Hybrid Evolutionary Computation Techniques](#)

Master of Science (App. Math)

Rajshahi University, Bangladesh(1991)

BSc Honors in Mathematics

Rajshahi University, Bangladesh(1990) Group: MaTHEMATICS,

Service Records

- **Professor**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Dept. of Mathematics
- **Professor**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Dept. of Mathematics
- **Professor**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Dept. of Mathematics
- **Assistant Provost**
Department/Section: Mathematics
Bangladesh Institute of Technology (BIT) *From to*
Working Area: M A Rashid Hall, KUET
- **Assistant Provost**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Khanjahan Ali Hall, KUET
- **Lecturer**
Department/Section: Mathematics
Khulna University of Engineering & Technolog *From to*
Working Area: Dept. of Mathematics, KUET
- **Assistant Professor**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Dept. of Mathematics
- **Professor**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: KUET
- **Provost**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Rokeya Hall, KUET
- **Head**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Dept. of Mathematics, KUET
- **Provost**
Department/Section: Mathematics
Khulna University of Engineering & Technology *From to*
Working Area: Khanjahan Ali Hall, KUET
- **Provost**

Department/Section: Mathematics
Khulna University of Engineering & Technology From to
Working Area:Lalan Shah Hall, KUET

- **Associate Professor**

Department/Section: Mathematics
Khulna University of Engineering & Technolog From to
Working Area:Dept. of Mathematics, KUET

Research Interest

Tranportation Problem

A weighted opportunity cost based algorithm for cost minimization â€” a new approach in unbalanced transportation problems, UGC Research grand,, Bangladesh, December 2019- November 2020.

Distance Problem

Approximate Relations between Manhattan and Euclidean Distance in Perspective of Latin Hypercube Design, Research grand, KUET, July 2019- June 2020.

Optimization

Distance Problem

Optimization of Latin Hyper Cube Design with stack of distance matrix â€” a new technique to reduced significant computational cost

Special grant, Ministry of Science and Information & Communication Technology . No-39.00.0000.09.06.90.2018-09/SI-306(EAS-03), Date 014/01/2019; duration 2018-2019

Optimization

Distance Problem

Reducing computation time in optimal Latin Hypercube experimental design â€” A new way of distance allocation for distances problems. Special grant, Ministry of Science and Information & Communication Technology . No-39.00.0000.09.06.79.2017/EAS-356, Date 06/11/2017; duration 2017-2018

Optimization

Transportation Problem,

Dynamic weighted opportunity cost based algorithmic approach on transportation problem, Research grand, July 2017- June 2018, UGC Research Grand, CASR, KUET, and Bangladesh.

Optimization

Transportation Problem,

A Linear Programming Approach in Transportation Problem for Optimizing Cost and Time, Research grand, July 2014- June 2015, UGC Research Grand, CASR, KUET, Bangladesh.

Packing Problem

Heuristic Approaches for Packing Problems: Circles in a Minimized Circular Container, Research grand, July 2010- June 2011,

(R&D Project) Ministry of Science and Information & Communication Technology, Bangladesh

LHD

Iterated Local Search Approaches for Optimal Latin Hypercube Designs, Research grand, July 2010- June 2011, KUET, Bangladesh.

(Research Project:)

DistanceProblem

â€œHeuristic Approaches for Maximin Distance and Packing Problemsâ€”, Dipartimento di Informatica (Computer Science), UniversitÃ Degli Studi di Torino, Italy, February 18, 2009.

(PhD Thesis)

Evolutionary Algorithm

i) â€œStudy of Solving Linear Equations by Hybrid Evolutionary Computation Techniquesâ€”, Department of Mathematics, KUET, 2004

(M. Phil Thesis Work)

Experimantal design, Numerical analysis, Operation Research, Evolutionary Algorithm

Latin Hyper Cube design

Transportation Problem

Publication

Books

1Jamali,A. R. M. J. U. ,Alam,M. A. and Aziz,a. A. (2021) , **Data Science and SDGs** , ISBN: https://doi.org/10.1007/978-981-16-1919-9_13, Springer Nature Singapore Pte Ltd. 2021

Publication

Books

2A,G. ,Jamali,A. R. M. J. U. and Locatelli,M. (2008) , **Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, (Ed. K. Elleithy)** , ISBN:: 978-1-4020-8734-9, e-ISSN: 978-1-4020-8735-6, Springer Science +Business Media B.V