



Dr. RAGHAV PRASAD PAROUHA

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<https://scholar.google.co.in/citations?user=talhHfQAAAJ&hl=en>



Qualification: B. Sc., B. Ed. (Mathematics), M. Sc. (Mathematics), Ph. D. (Applied Mathematics)

Ph. D. (Applied Mathematics): National Institute of Technology Silchar (NITS), Silchar, Assam INDIA (8.75 CGPA).

Title of the Thesis: Robust tri-population and memory based hybrid variants of DE (Differential Evolution) and PSO (Particle Swarm Optimization) for optimization with their real-life applications.

Ph. D. Supervisor: Dr. Kedar Nath Das (http://www.nits.ac.in/departments/maths/faculty/Kedar_Nath_Das/knd.html)

Specialization : Evolutionary Optimization, Constrained Optimization, Global Optimization, Constraint Handling, Engineering Design, Algorithms and Metaheuristics, Innovization, Many and Multi-objective Optimization, Neural Networks, Artificial Intelligence Techniques, Soft Computing Techniques and its application, Graph Theoretic Application of Operations Research.

Research Publications: International Journal (Elsevier, Springer & IEEE) – 13 (SCI/SCIE_Thomson Reuters Indexed with good I.F. & Scopus Indexed), National – 01, Very reputed International Conference (held in IITs & NITs): 08, Proceedings: 01 (Elsevier)

Please refer for publication: <https://scholar.google.co.in/citations?user=talhHfQAAAJ&hl=en>
& <https://www.scopus.com/authid/detail.uri?authorId=56136342500>

Awards: Young Scientist Award (YSA), by International Academy of Physical Sciences (IAPS), Allahabad (U.P.), India, during CONIAPS-XVI, 2014 in IIITDM, Jabalpur (M.P.) <http://www.iaps.in/index.php/2014-07-09-04-37-01>; Reduced Order Modeling of Linear MIMO Systems using an efficient Differential Evolution selected for **Young Scientist Excellence Award** in Athens, Greece, <http://www.iccmse.org/>; **Young Scientist and Best research award** in the field of Industrial and Systems Engineering at Missouri University of Science and Technology United States, Selected in 2015 as a Post-Doctoral fellow at Industrial and Systems Engineering Department, Auburn University Alabama (U.S.) under the guidance of Prof. Alice E Smith (<http://www.eng.auburn.edu/sites/personal/aesmith/>)

Patents: Filed a Patent (Number 2166/DEL/2015), 2015.

Book: Submitted a book proposal in Infosys Science Foundation Series Springer, Title of the book: A new class of Evolutionary Algorithm: Reviews, Limitation and Scope

Project: Under Young Scientist Scheme of cost Rs. 17,89,200 in DST Project Title: An Enhanced Differential Evolution for Engineering Design Optimization. (Under Review).

Software Knowledge: MATLAB, C, C++, EPNET (Civil Engineering), KEEL: A software tool to assess evolutionary algorithms to data mining problems. URL <http://www.keel.es/>, Origin 6.0 & 9.0, SPSS to analytic Statistics data.

International Collaboration: Prof. Yong Wang: School of Information Science and Engineering, Central South University (CSU), Changsha 410083, China; Prof. Kalyanmoy Deb: Electrical and Computer Engineering, Michigan State University, East Lansing, USA; Prof. Alice E. Smith: Industrial and Systems Engineering Department at Auburn University, Alabama (U.S.); Dr. Mustafa Servet Kiran: Selçuk Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Bölümü 42075 Selçuklu Konya, Turkey; Dr. Irina Ciornei: Research Fellow & Senior Member, IEEE, KIOS Research Centre for Intelligent Systems and Networks, Dept. of Electr. & Comput. Eng., Univ. of Cyprus, Nicosia, Cyprus.

Professional Members: Member of American Association for Science and Technology (AASCIT) <http://www.aascit.org> (Membership No.: 1004944); Member of IEEE; Member of International Research Group Unconventional Algorithms and Computing, Czech (NAVY), University of Ostrava.

Reviewer: In fifteen reputed international journal like Elsevier, IEEE, and Springer.

Training Program/ Short Term course/workshop/conference Participated: 25 (Twenty Five)

Lecture/Short Term course/workshop/conference organized: Four (04)

Experience: 05 Years; Recent past institute -Assistant Professor Department of Mathematics, VELLORE INSTITUTE OF TECHNOLOGY Vellore (VIT University), Tamil Nadu INDIA from 02-05-2016 to 30-05-2017. <http://www.vit.ac.in/>

Invited Talk: 04 in INDIA

Dr. Raghav Prasad Parouha

Live as if you were to die tomorrow. Learn as if you were to live forever. – Mahatma Gandhi