

List of Publications

Papers published/ Accepted for publication in International/National Journals

1. Das, K. N., and Mishra, R. (2013). **Chemo-inspired Genetic Algorithm for function optimization**. Applied Mathematics and Computation, Elsevier, 220, 394-404.
2. Das, K. N., and Mishra, R. (2014). **Model Order Reduction problem of Single input and single output for Chemo-inspired Genetic Algorithm**, International Journal of Research in Mathematics and Computation, 2(2), ISSN print-2348-151X, ISSN Online: 2348-1528.

Papers published/ Accepted for publication in International/National Conference Proceedings

1. Das, K. N., and Mishra, R. (2012). **Accelerated Bacterial Foraging Hybridized Genetic Algorithm**. In the Research Abstracts of Proceedings of National conference on “Advances in Simulation and Optimization Techniques in Mechanical Engineering (NASOME-2012)”, KIIT University, BBSR.
2. Das, K. N., and Mishra, R. (2013). **A Performance study of Chemo inspired Genetic algorithm on Benchmark Functions**. Proceedings of 7th international conference on Bio-inspired Computing: Theories and applications (BICTA-2012), Advances in Intelligent System and Computing, 2, 489-501, Springer.
3. Das, K. N., and Mishra, R. (2013). **Application of Chemo inspired Genetic Algorithm for Economic Load Dispatch**. Proceedings of the 2 day National seminar on “Soft Computing: A panorama of Possibilities”, ISBN:

978-81-31703-83-6, 115-120, NIIS Institute of Business Administration, BBSR.

4. Das, K. N., and Mishra, R. (2014). **A novel Chemo inspired Genetic Algorithm for Economic Load Dispatch with Valve point Loading Effect**. Proceedings of 4th international conference on Soft Computing for Problem solving (**SocProS-2014**), NIT Silchar, Assam, AISC series, Springer(**Accepted for publication**).

**Conference Attended and also Presented papers in International/
National Conference:**

1. Das, K. N., Mishra, R. (2012). **Accelerated Bacterial Foraging Hybridized Genetic Algorithm**. National conference on Advances in Simulation and Optimization Techniques in Mechanical Engineering (**NASOME-2012**), KIIT University, BBSR.
2. Das, K. N., and Mishra, R. (2013). **A Performance study of Chemo inspired Genetic algorithm on Benchmark Functions**. Proceedings of 7th international conference on Bio-inspired Computing: Theories and applications (**BICTA-2012**), Advances in Intelligent System and Computing, 2, 489-501, Springer.
3. Das, K. N., Mishra, R. (2013). **Application of Chemo inspired Genetic Algorithm for Economic Load Dispatch**. 2 day National seminar on “Soft Computing: A panorama of Possibilities”, NIIS Institute of Business Administration, BBSR.

Seminar/ Workshop/National / International Conferences only attended

1. Participated in the DST sponsored Short Term course on “**Nature Inspired Optimization Algorithms: Recent Trends, Theory and Applications**”, March 25-28, 2011, Roorke Local Centre, IIT Campus, Roorkee.

2. Participated in the DST sponsored one week Short Term Training program on “**Recents in Evolutionary Optimization Techniques and Applications (REOTA-2012)**”, Dept. of Mathematics and Dept. of Mechanical Engineering, NIT Silchar, Assam, 1-7 June, 2012.
3. Attended the Workshop on “**Numerical Optimization and Its Engineering Applications (WNOEA-2011)**”, 7-10 July, 2011, Silicon Institute of Technology, Bhubaneswar.
4. Participated in the 2 day Workshop on “**Soft Computing and Optimization Techniques**, School of Electronics Engineering, KIIT University, 9th and 10th April, 2011”.

Papers Communicated in International/National Journals

1. Das, K. N., and Mishra, R. **Design of a Chemo-Inspired GA and Application to Model order reduction problem**, International Journal of Applied Mathematics and Computer science, 2014.
2. Das, K. N., and Mishra, R.: **Design and Application of Chemo-Inspired Genetic Algorithm for Constrained Optimization**, International Journal. of Artificial Intelligence and Soft computing, Inder Science, 2014.
3. Das, K. N., and Mishra, R.: **Chemo-inspired GA for non-convex Economic Load Dispatch Problem**, International Journal of Applied Artificial Intelligence, Taylor’s and Francis, 2014.