Dr. Anoop Kumar Sahu

Centre/School/Special Centre: School of Studies of Engineering and Technology

Department: **Mechanical Engineering**
Phone: **9179500064**
Email: **anoop17212@gmail.com**

Qualification: B.E., M.Tech, Ph.D, Post Doctorate,

Area of Interest/Specialization:- Production and SCM

Experience: 8 Years

Awards and Honors: Nil

Research Projects: Nil

International Collaboration/Consultancy: Nil

Best Peer Reviewed Publication:

1. Sahu, N. K., Sahu A. K., and **Sahu, A. K (2015)** 'Appraisement and benchmarking of third party logistic service provider by exploration of risk based approach', **Cogent Business and Management**, Vol. 2, pp. 1-21, **TAYLOR and FRANCIS** Thomson Routers.
2. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2016)** 'Evaluation and selection of resilient suppliers in fuzzy environment: exploration of fuzzy-VIKOR'**, International Journal: Benchmarking**, **EMERALD publisher**, Vol. 23, No. 3, pp.651-673., **UK** Thomson Routers.
3. **Sahu A. K.,** Sahu, N. K., and Sahu, A. K **(2017)** 'Appraisements of material handling system in context of fiscal and environment extent: A comparative grey statistical analysis, **International Journal of Logistic Management**, Emerald Publisher, Vol. 28, No. 1, pp.-1-30,U.K, Thomson Routers.
4. **Sahu A. K.,** Datta, S. and Mahapatra, S.S **(2016)** 'Evaluation and selection of suppliers considering green perspectives: comparative analysis on application of FMLMCDM and Fuzzy-TOPSIS', **Benchmarking: An International Journal, EMERALD publisher**, Vol. 23 No. 6, 2016, pp. 1579-1604, **UK** Thomson Routers.
5. Sahu, N. K., Sahu A. K., and **Sahu, A. K (2016)** 'Optimization of weld bead geometry of ms plate (Grade: IS 2062) in context of welding: A comparative analysis of GRA and PCA-taguchi approach', **Sadhana Academy Proceeding in Engg Science, SPRINGER publisher (Accepted for Publication)** Thomson Routers.
6. **Sahu A. K.,** Sahu, N. K., and Sahu, A. K. **(2016)**' Application of Integrated TOPSIS in ASC index: Partners Benchmarking perspective', **International Journal: Benchmarking, EMERALD publisher**, Vol. 23, No. 3, pp.540-563, **UK** Thomson Routers.
7. **Sahu A. K.**, Sahu, N. K., and Sahu, A. K. **(2016)** 'Appraisal of Partner Enterprises under GTFNS Environment in Agile SC', **International Journal of Decision Support System Technology**, **IGI Global Publisher,** Vol 8, No. 3, **USA** Thomson Routers.
8. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2017)** 'Evaluation of performance index in resilient supply chain: a fuzzy based approach, **International Journal: Benchmarking, EMERALD publisher**, Vol. 24, No. 1.pp.1-25, UK Thomson Routers.
9. Sahu A.K., Narag, H.K., **Sahu, A. K**. and Sahu, N.K. **(2016)** 'Machine Economic Life Estimation Based on Depreciation-Replacement Model' **Cogent Engg**, Vol.3, No.1, pp. 1-15, **TAYLOR and FRANCIS**, Thomson Routers.

International Journals: Elsevier; www.scopus.com; (Scopus Index)

10. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2013)**, 'Green supply chain performance benchmarking using integrated IVFN-TOPSIS methodology: An empirical research', **International Journal of Process Management and Benchmarking (IJPMB)**, **INDERSCIENCE Publishers, Vol. 3, No. 4, pp.511-551, Switzerland** [Scopus]**.**
11. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2014)**, 'Use of IVFNs and MULTI-MOORA method for supply chain performance measurement, benchmarking and decision-making: An empirical study', **International Journal of Business Excellence (IJBEX)**, **INDERSCIENCE Publishers**, **Vol. 7, No. 2, pp. 237-280, Switzerland** [Scopus]**.**
12. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2015)** 'GDMP for cnc machine tool selection with a compromise ranking method using generalized fuzzy circumstances", **International Journal of Computer Aided Engineering and Technology (IJCAT), INDERSCIENCE Publishers,** Vol. 7, No. 1, pp.92–108, **Switzerland** [Scopus]**.**
13. Mishra, S., **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2015)** "Application of fuzzy integrated MULTI-MOORA method towards supplier/partner selection in agile supply chain", **International Journal of operational Research, Vol. 22, No. 4, pp. 466-514, INDERSCIENCE Publishers, Switzerland** [Scopus]**.**
14. **Sahu A. K.**, Sahu, N. K., and Sahu, A. K. **(2015)** 'Benchmarking cnc machine tool using hybrid fuzzy methodology a multi indices decision making approach', **International Journal of Fuzzy System Applications**, **IGI Global Publisher, Vol. 4, No. 2, pp. 32-50, USA** [Scopus]**.**
15. **Sahu A. K.**, Datta, S. and Mahapatra, S.S. **(2015)** 'Green supply chain performance appraisement and benchmarking using fuzzy grey relational method', **International Journal of Business Information Systems**, **INDERSCIENCE Publishers**, Vol. 20, No. 2, pp.157-194, **Switzerland** [Scopus]
16. **Sahu A. K.**, Datta, S., Kumar, S. and Mahapatra, S.S. **(2015)** 'Supply chain flexibility assessment and decision making by intelligence approach'', **International Journal of Business Excellence (IJBEX)**, Vol. 8, No. 6, pp.675-699, **INDERSCIENCE Publishers Switzerland** [Scopus]**.**
17. **Sahu A. K.**, Sahu, N. K., and Sahu, A. K. **(2016)** 'Application of modified MULTI-MOORA for cnc machine tool evaluation in ivgtfns environment: An empirical study'' **International Journal of Computer Aided Engineering and Technology,** Vol. 8, No. 3, **INDERSCIENCE Publishers, Switzerland** [Scopus]**.**

International Journals (Repute Index)

18. **Sahu A. K.**, Datta, S. and Mahapatra, S.S **(2014)**, 'Supply chain performance benchmarking using grey-MOORA approach: An empirical research'', **International Journal of Grey Systems: Theory and Application (IJGSTA), EMERALD PUBLISHER, Vol. 4, No. 1**, **UK.**
19. **Sahu A. K.**, Sahu, N. K., and Sahu, A. **(2014)**, Appraisal of cnc machine tool by integrated multi MOORA-IGVN circumstances: an empirical study'' **International Journal of Grey Systems: Theory and Application (IJGSTA)**, **EMERALD publisher**, **Vol. 4, No.1**., **UK.**
20. Gupta, A.K., Kumar, P, Sahoo, S.K., **Sahu, A.K.** and Sarangi, S.K. **(2017)** Performance measurement of plate fin heat exchanger by exploration: ann, anfis, ga, and sa' **Journal of Computational Design and Engineering**, **ELSEVIER**, **Science Direct** (**In Press**).
21. Adtiya, Sahu, S.K., **Sahu, A.K.**, Datta, S. and Mahapatra, S.S **(2014)** 'A decision support system towards suppliers: Selection in resilient supply chain: exploration of fuzzy-TOPSIS', **International Journal of Management and International Business Studies'**, India
22. **Sahu A. K.,** Sahu, N. K., and Sahu, A. K., Sahu, B **(2014)** "GMI performance evaluation and ill criteria assessment by using set revised ranking approach: An empirical study", **International Journal of Engineering Research, Vol. 3, Issue special 3, ISSN: 2347-5013.**

Recent Books/Book Chapters/Monographs etc.:

1. **Sahu A. K.,** Sahu, A. K., and Sahu, N. K. (2017) 'Performance estimation of G-L-A supply chain of individual firm under imperfect data' for book, **Theoretical and Practical Advancements for Fuzzy System Integration**, IGI Global Publisher, USA, pp. 245-277.

2. **Sahu A. K.,** Sahu, A. K., and Sahu, N. K. (2017) 'Appraise the economic values of logistic handling system under mixed information' for book, **Theoretical and Practical Advancements for Fuzzy System Integration**, IGI Global Publisher, USA, pp. 278-308.

3. Sahu A. K., Sahu, N. K., and **Sahu, A. K**. (2017) 'Fuzziness-A Mathematical Tool," for book' **Theoretical and Practical Advancements for Fuzzy System Integration**, IGI Global Publisher, USA, pp.1-30.

4. **Sahu A. K.,** Sahu, A. K., and Sahu, N. K. (2017) 'Benchmarking of advanced manufacturing machines using fuzzy-TOPSIS' for book, **Theoretical and Practical Advancements for Fuzzy System Integration**, IGI Global Publisher, USA, 309-350.

5. Sahu N. K., Sahu, A. K., and **Sahu, A. K**. (2017) 'Fuzzy-AHP: A boon in 3PL decision making process' for book, **Theoretical and Practical Advancements for Fuzzy System Integration**, IGI Global Publisher, USA, pp.97-125.

Research Supervision: Two-Master and Two-B.Tech

Administrative Responsibilities: IE-in charge, NAAC-7th criteria.

Additional Information:
1. International Conference (attended) = 15
2. Patent published/(Granted) = 4
3. Orientation Program (attended) =0.
4. Refresher Course (attended) = 1.
5. Faculty Development Program (attended) =6.
6. Workshop (attended) = 7.
7. STTP (attended) = 0