

## References

1. Kuo Y, Yang T, Huang GW. The use of a grey based taguchi method for optimizing multi response simulation problems. *Engineering Optimization* 2008; 40: 517-528.
2. Lin JL, Lin CL. The use of the orthogonal array with grey relational analysis to optimize the electrical discharge machining process with multiple performance characteristics. *International Journal of Machine Tools & Manufacture* 2002; 42: 237-244.
3. Tosun N. Determination of optimum parameters for multi-performance characteristics in drilling by using grey relational analysis. *Int. J. Adv. Manuf. Technol.* 2006; 28: 450-455.
4. Kopac J, Krajnik P. Robust design of flank milling parameters based on grey-taguchi method. *Journal of Materials Processing Technology* 2007; 191: 400-403.
5. Kuo CJ, Tu H. Gray relational analysis approach for the optimization of process setting in textile calendering. *Textile Research Journal* 2009; 79: 981-992.
6. Eşme U, Bayramoğlu M, Aydın H. Optimization of galetaj process with Taguchi Method based on grey relational analysis 2 (in Turkish). In: *Engineering and Technology Symposium*, University of Çankaya, 2009; Ankara/Turkey, 205-217
7. Su, TL, Chen, HW, Ma, CM, Lu, CF. Improving the quality of combed yarn spun by OE rotor spinning using the grey-taguchi method. *Fibres & Textiles in Eastern Europe* 2011; 19: 23-27.
8. Yıldırım S. *Product design improvement: Taguchi design* (in Turkish). Master Thesis, University of Başkent/ Turkey, 2011.
9. Tarng YS, Juang SC, Chang CH. The use of grey-based taguchi methods to determine submerged arc welding process parameters in hardfacing. *The Journal of Materials Processing Technology* 2002; 128: 1-6.
10. Lu HS, Chang CK, Hwang NC, Chung CT. Grey relational analysis coupled with principal component analysis for optimization design of the cutting parameters in high-speed end milling. *The Journal of Materials Processing Technology* 2009; 209: 3808-3817.
11. Liao HC. Multi-response optimization using weighted principal component. *The International Journal of Advanced Manufacturing Technology* 2006; 27: 720-725.

12. Tong LI, Wang CH, Chen HC. Optimization of multiple responses using principal component analysis and technique for order preference by similarity to ideal solution. *The International Journal of Advanced Manufacturing Technology* 2005; 27: 407-414.
13. Fung CP, Kang PC. Multi-response optimization in friction properties of pbt composites using taguchi method and principle component analysis. *Journal of Materials Processing Technology* 2005; 170: 602-610.
14. Sarpkaya Ç. *The optimization of sizing process with grey relational analysis based on taguchi method* (in Turkish). PhD Thesis, University of Çukurova/Turkey, 2014.
15. Minitab User's Guide2, Minitab Inc., 2000.
16. Üstünışık NZ. *The research of socio-economic development ranking of provinces and regions in Turkey: grey relational analysis method and its application* (in Turkish). Master Thesis, University of Gazi Üniversitesi/Turkey, 2007.
17. Wen KL. The grey system analysis and its application in gas breakdown and var compensator finding. *International Journal of Computational Computing* 2004; 2, 1: 21-44.
18. Yılmaz E, Güngör F. Determination of the optimal sets of different hardness conservative gray relational analysis 2 (in Turkish). In: *National Design and Analysis of Manufacturing Congress*, Balıkesir/Turkey, 2010; 1-9.
19. Mondal S, Paul CP, Kukreja LM, Bandyopadhyay A, Pal PK. Application of Taguchi-based gray relational analysis for evaluating the optimal laser cladding parameters for AISI1040 steel plane surface. *Int. J. Adv. Manuf. Technol.* 2013; 66: 91-96.
20. Lin ZC, Ho CY. Analysis and application of grey relation and ANOVA in chemical-mechanical polishing process parameters. *The International Journal of Advanced Manufacturing Technology* 2003; 21: 10-14.
21. Khan ZA, Siddiquee AN, Kamaruddin S. Optimization of in-feed centreless cylindrical grinding process parameters using grey relational analysis. *Pertanika J. Sei. & Technol.* 2012; 20, 2: 257- 268.
22. Pawade RS, Joshi SS. Multi-objective optimization of surface roughness and cutting forces in high-speed turning of Inconel 718 using Taguchi grey relational analysis (TGRA). *The International Journal of Advanced Manufacturing Technology* 2011; 56: 47-62.