

REFERENCES

- [1] V. D. Gerda Mikalauskaite, "Investigation of the Influence of Bonding and Thermal Ageing Duration on the Peeling Strength of Knitted Materials Bonds," *Journal of materials science* , 2019.
- [2] Erdal Ekinci, Irina Nowikowa and Andrea Ehrmann, "Experimental Study Of Gluing as A Joining Method For Garments," 2020.
- [3] Cheng-Hung Chung, Wen-Chang Shih and Wei-Ming Chiu, "Synthesis, characterization and properties of biomass and carbon dioxide derived polyurethane reactive hot-melt adhesives," *Journal of E-Polymer* , 2019.
- [4] P. Ambhore, U. Mogera, B. Vaisband, U. Shah, T. Fisher, M. Goorsky and S. S. Iyer, "PowerTherm Attach Process for Power Delivery and Heat Extraction in the Silicon-Interconnect Fabric Using Thermocompression Bonding," in *IEE*, 2019.
- [5] S.-Y. Jung, H. E. Hong and K.-W. Paik, "A Study on the Cu-Rod Anisotropic Conductive Films (ACFs) for Flex-on-Fabric (FOF) Interconnections Using an Ultrasonic Bonding Method," 2023.
- [6] Antonio Piqueras, Miguel Angel Martinez, Juana Abejonar and Jose Luddey Marulanda, "Characterization a polyurethane-based reactive hot melt adhesive for applications in materials," 2019.
- [7] Dong Leia, Jing Caoc, Shuo Chena and Wen Chang Shihd, "PPC-based Reactive Hot Melt Polyurethane Adhesive Efficient Glues for Multiple Types of Substrates," *Springer-Verlag GmbH Germany*, 2018.
- [8] Maria Alejandra Moyano and C. Hernandez, "Enhanced Green Strength in a Polycarbonate Polyol-Based Reactive Polyurethane Hot-Melt Adhesive," *Polymers*, 2024.
- [9] M. A. Moyano and E. Orgiles, "Reactive polyurethane hot-melt adhesives with high biogenic carbon content," *Journal of Adhesion* , 2023.
- [10] Biru Shi and Xiaoling Xu, "Comparison and investigation of H-bond assisted reusable PU adhesives with high shear strength," *Progress in Organic Coatings* , 2024.

- [11] Chenyang Fan and Jiayi Tu, "Study on Preparation and Performance of Polyurethane Hot," *Advances in Engineering Technology Research* , 2023.
- [12] Li Sun and Wei Zhang, "Reactive polyurethane hot melt adhesives based on polycarbonate and sebacic acid-based polyester polyols," *Journal of Adhesion Science and Technology*, 2022.
- [13] Sharath Chandra, Rashmi Shetty and Sampath Kumar, "Tribological properties of CNT-filled epoxy-carbon fabric composites Optimization and modelling by machine learning," *Journal of Materials Research and Technology*, 2023.
- [14] Hanani Abdul Wahab, Anika Zafiah, M.F.L Abdullah and Munirah Abdullah, "Design of Experiment for Sound Absorption Materials of Microporous Polymer," *2019 International Conference on Information Science and Communication Technology (ICISCT)* , 2019.
- [15] Gokarna Aryal, Lash Mapa and Sai Kiran Camsarapalli, "Effect of Variables and their Interactions on RFID Tag Readability on a Conveyor Belt," *IEEE*, 2010.
- [16] Janaka R. Gamage , Anjali K.M. DeSilva, Dimitrios Chantzis and Mohammad Antar, "Sustainable machining Process energy optimisation of wire electrodischarge machining of Inconel and titanium superalloys," 2017.
- [17] Y. M. A. Bnar Hiwa, "Evaluation of tensile properties of Meriz fiber reinforced epoxy composites using Taguchi method," *Journal of Results in Engineering*, 2023.
- [18] Hafsa Jamshaid, Naseer Ahmad, Uzair Hussain and Rajesh Mishra, "Parametric optimization of durable sheeting fabric using Taguchi Grey Relational Analysis," *Journal of King Saud University – Science*, 2022.
- [19] M. Venkata Ramana, Krishna Mohana Rao, Bidya Sagar and Ravi Kumar, "Optimization of surface roughness and tool wear in sustainable dry turning of Iron based Nickel A286 alloy using Taguchi's method," *Journal of cleaner Engineering and Technology*, 2020.
- [20] L. M. k. P. Jayaramana, "Multi-response Optimization of Machining Parameters of Turning AA6063 T6 Aluminium Alloy using Grey Relational Analysis in Taguchi Method," 2014.
- [21] X.-S. Yang, "Nature-Inspired Optimization Algorithms", 2014.

- [22] K. M. Tom De Weer, "A multi-objective framework for Pareto frontier exploration of lattice structures," *Structural and Multidisciplinary Optimization*, 2023.
- [23] M. Ramachandran, "Study of Compression Molding of GFRP using Grey Relational Analysis," *International Journal on Design & Manufacturing Technologies*, 2014.
- [24] Y. W. Gang Lei1, "Optimal Crash Analysis of Vehicle Based on DOE," *IEEE*, 2021.
- [25] C.S. Chien, C.W. Chien and H.F.Liee, "Taguchi DoE for Solder Voids Reduction," in *IEEE*, 2018.
- [26] H. K. A. S. Wanigasundara, R. M. H. C. Rathnayake, M. Y. A. Perera and R. M. V. S. Ratnayake, "Investigating the bond strength of oxygen plasma-treated finished cotton-based fabric bonded with thermoplastic polyurethane film adhesive," in *IEEE*, 2023.
- [27] M. N. S. Chen, "Determination of Bond Strengths in Non-woven Fabrics: a Combined Experimental and Computational Approach," 2017.
- [28] Xiaojian Liu, Nan Kang, Cui Jing, Lei Shi, Yawei Liu and Mengmeng Yin, "Optimization of Gold Wire Bonding Process for Microwave Components by DOE Method," *19th International Conference on Electronic Packaging Technology*, 2018.
- [29] Shervan Babamohammadi, William George Davies and Salman Masoudi Soltani, "Probing into the interactions among operating variables in blue hydrogen production: A new approach via design of experiments (DoE)," *Journal of Gas Science and Engineering*, 2023.
- [30] Mahmoud Naim, Mahdi Chemkhi, Julien Kauffmann and Akram Alhussein, "Taguchi DoE analysis and characterization of 17-4 PH stainless steel parts produced by material extrusion (MEX) process," *Journal of Advances in Industrial and Manufacturing Engineering*, 2023.
- [31] F. T. Tolgahan Ermergen, "Investigation of DOE model analyses for open atmosphere laser polishing of additively manufactured Ti-6Al-4V samples by using ANOVA," *Journal of Optics and Laser Technology*, 2023.

- [32] I.C. Goss, T.S. Rosendo, M.D. Tier b and A. Wiedenhof, "Shear strength optimization for FSSW AA6060-T5 joints by Taguchi and full factorial design," *Journal of material science and technology* , 2020.
- [33] Ilesanmi Daniyana, Rumbidzai Muvunzia, Khumbulani Mpofua and Adefemi Adeodub, "Optimisation of Process Parameters during the Turning Operation of Titanium Alloy (Ti6Al4V) using the Taguchi Methodology," in *16th CIRP Conference on Intelligent Computation in Manufacturing Engineering*, , 2023.
- [34] Xiaohua Zhao, Lina Lin , Xiaorong Xiong and Mohammad Mahbubul Hassan, "The optimization of whiteness of polyester fabric treated with nanoparticles of 2,2'-(vinylenedi-p-phenylene)bis-benzoxazole (OB-1) by the Taguchi method," *Journal of Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2023.
- [35] K. Zoschke, T. Fischer, H. Oppermann and K.-D. Lang, "Temporary handling technology for advanced wafer level packaging applications based on adhesive bonding and laser assisted de-bonding," in *IEEE*, 2014.
- [36] S. Mu, J. Yin, J. Yuan and S. Ng, "Design of experiments for simulation models with stochastic constraints," *IEEE*, 2019.
- [37] O. Tumova, L. Kupka and P. Netolicky, "Design of Experiments approach and its application in the evaluation of experiments," in *IEEE*, 2018.
- [38] M. T. MacNicoll, T. Dewhurst, P. R. Akers and D. A. Capotosto, "A Design of Experiments based approach to engineering a robust mooring system for a submerged ADCP," in *IEEE*, 2018.
- [39] J. Devaraj, A. Ziout and J. A. Qudeiri, "Optimization of Welding Dissimilar sheet metals using Taguchi and Grey based Taguchi Methods," in *IEEE*, 2022.
- [40] M. Abolghasemi, A. Ghaheri, S. M. Saghin and S. E. Afjei, "Multi-Objective Optimization of an Axial-Flux Magnetic Gear Using Taguchi Method," in *IEEE*, 2023.