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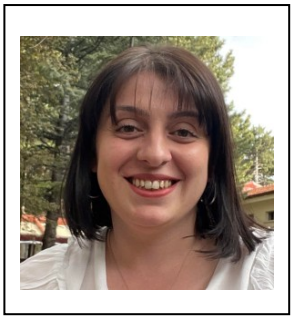

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Paper ID : 266

Paper Title : State of charge estimation of lithium-ion battery using an extended Kalman filter optimized by the octopus optimization algorithm

Bio :

Kezban Koç Savaş was born in 1994 in Artvin, Turkey. She received her B.Sc. degree in Electrical and Electronics Engineering from the Faculty of Engineering, Karadeniz Technical University, Trabzon, in 2019. She completed her M.Sc. degree in Electrical and Electronics Engineering at the Graduate School of Natural and Applied Sciences, Gazi University, Ankara, in 2022. In the same year, she started her Ph.D. studies in the same department, where she is currently continuing her research. Since 2020, she has been working as a Research Assistant at the Department of Electrical and Electronics Engineering, Gazi University. Her research interests include lithium-ion batteries, battery modeling and parameter estimation, renewable energy systems, optimization techniques, and metaheuristic algorithms.