**Curriculum Vitae**

1. Personal Data:

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| Habib Kraiem | Name |
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| Tunisian | Nationality |
| Associate Professor | Current Position |
| Engineering | College | Northern Border University | University |
| Electrical Engineering | Department | Electrical Engineering | General Specialty |
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1. Scientific Qualification (Major, Institution, Country, Date of Obtaining)

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| Electrical Engineering, University of Gabes, Tunisia, 30 / 10 / 2010 | Ph. D. |
| Electrical Engineering, University of Gabes, Tunisia, 14 / 09 / 2006 | Master |
| Electrical Engineering, University of Gabes, Tunisia, 20 / 07 / 2004 | Bachelor |

1. Publication

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| Jasim, A. M., Jasim, B. H., Alhasnawi, B. N., Flah, A., & Kraiem, H. (2023, August 19). Coordinated Control and Load Shifting-Based Demand Management of a Smart Microgrid Adopting Energy Internet. International Transactions on Electrical Energy Systems, 2023, 1–33. <https://doi.org/10.1155/2023/6615150> |  |
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| **Kraiem, H**., Touti, E., Alanazi, A., Agwa, A. M., Alanazi, T. I., Jamli, M., & Sbita, L. (2023, July 4). Parameters Identification of Photovoltaic Cell and Module Models Using Modified Social Group Optimization Algorithm. Sustainability, 15(13), 10510. <https://doi.org/10.3390/su151310510> |  |
| Alanazi, T. I., Alanazi, A., Touti, E., Agwa, A. M., **Kraiem, H**., Alanazi, M., Alanazi, A. M., & El Sabbagh, M. (2023, June 5). Proposal and Numerical Analysis of Organic/Sb2Se3 All-Thin-Film Tandem Solar Cell. Polymers, 15(11), 2578. <https://doi.org/10.3390/polym15112578> |  |
| Jasim, A. M., Jasim, B. H., **Kraiem, H**., & Flah, A. (2022). A Multi-Objective Demand/Generation Scheduling Model-Based Microgrid Energy Management System. Sustainability, 14(16), 10158. https://doi.org/10.3390/su141610158 |  |
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| Kumar, Y. V. P., Rao, S. N. V. B., Padma, K., Reddy, C. P., Pradeep, D. J., Flah, A., **Kraiem, H**., Jasiński, M., & Nikolovski, S. (2022). Fuzzy Hysteresis Current Controller for Power Quality Enhancement in Renewable Energy Integrated Clusters. Sustainability, 14(8), 4851. https://doi.org/10.3390/su14084851 |  |
| Rao, S. N. V. B., Kumar, Y. V. P., Pradeep, D. J., Reddy, C. P., Flah, A., **Kraiem, H**., & Al-Asad, J. F. (2022). Power Quality Improvement in Renewable-Energy-Based Microgrid Clusters Using Fuzzy Space Vector PWM Controlled Inverter. Sustainability, 14(8), 4663. https://doi.org/10.3390/su14084663 |  |
| Kumar, L. V. S., Pavan Kumar, Y. V., Ananth, D. V. N., Reddy, C. P., Flah, A., **Kraiem, H.**, Al-Asad, J. F., Kotb, H., & Aboras, K. M. (2022). Performance Enhancement of Doubly Fed Induction Generator–Based Wind Farms With STATCOM in Faulty HVDC Grids. Frontiers in Energy Research, 10. https://doi.org/10.3389/fenrg.2022.930268 |  |
| **Kraiem, H.**, Flah, A., Mohamed, N., Messaoud, M. H. B., Al-Ammar, E. A., Althobaiti, A., Alotaibi, A. A., Jasiński, M., Suresh, V., Leonowicz, Z., & Jasińska, E. (2022). Decreasing the Battery Recharge Time if Using a Fuzzy Based Power Management Loop for an Isolated Micro-Grid Farm. Sustainability, 14(5), 2870. https://doi.org/10.3390/su14052870 |  |
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| **Kraiem, H**., Aymen, F., Yahya, L., Triviño, A., Alharthi, M., & Ghoneim, S. S. M. (2021). A Comparison between Particle Swarm and Grey Wolf Optimization Algorithms for Improving the Battery Autonomy in a Photovoltaic System. Applied Sciences, 11(16), 7732. https://doi.org/10.3390/app11167732 |  |
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| F. Aymen, **H. Kraiem**, and L. Sbita, (2021). Modeling and Control of Hybrid Electric Vehicle. In Handbook of Research on Modeling, Analysis, and Control of Complex Systems (pp. 521-541). IGI Global. |  |
| **Kraiem, H.,** & Shaaban, S. M. (2020). Energy optimization of an electric car using losses minimization and intelligent predictive torque control. Journal of Algorithms & Computational Technology, 14, 174830262096669. https://doi.org/10.1177/1748302620966698 |  |
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