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| **S/N** | **Potential Supervisor** | **Rank** | **Research Expertise and Interests** | **Programme Approved to Supervise** | **Ten Key Publications** **in Specialty Area(s)** | **E-mail****(UNIZIK only)** |
| 1. | IGBOKWE PHILOMENA KANWULIA | PROFESSOR | Environmental Chemical Engineering, Separation Processes, Chemical Process Modelling and Simulation, Biomass Energy and raw materials Development | PGD, M.ENG, PhD | 1. Chukwu M. M., **Igbokwe P. K.** and Nwabanne J. T., Modelling Carbon Sequestration through Post-Combustion Capture using Sawdust Leachate and Monoethanolamine, International Research Journal of Advanced Engineering and Science, Vol.3 No 3, 27-32,2018;
2. Nnabundo N. Musei, **Igbokwe Philomena** and Chijioke E. Onu, The Impact of Sodium Sulfate Additive on the Cycle Life of Lead Acid Battery, The Pharmaceutical and Chemical Journal, vol. 6 No. 6, p.13-20,2019;
3. Ikenna C. Nwokedi and **Philomena K. Igbokwe**, Chemical Process Absorption Column Design for Carbon Sequestration, Journal of Engineering Research and Reports, Vol. 5, No 1, 1-14, 2019;
4. Nnabundo N. Musei, **Philomena I. Igbokwe**, Chijioke E. Onu, The Impact of Sodium Sulfate Additive on the Cycle Life of Lead Acid Battery, The Pharmaceutical and Chemical Journal, 6(6):13-20, 2019, Available online [www.tpcj.org](http://www.tpcj.org) ;
5. L. N. Emembolu and **P. K. Igbokwe**, Inhibition Capability of *Dennettia tripetala* Leaves on Carbon Steel in 4M HCL Solutions, Journal of Basic and Applied Research International, 23-35, 2020;
6. Onu Chijioke Elijaha, **K. Igbokwe Philomena**, T. Nwabanne Joseph , O. Nwajinka Charles, E. Ohale Paschal; Evaluation of optimization techniques in predicting optimum moisture content reduction in drying potato slices, Artificial Intelligence in Agriculture, Vol. 4, 39 – 47, 2020, <http://www.keaipublishing.com/en/journals/artificialintelligence-in-agriculture/> ;
7. L. N. Emembolu and **P. K. Igbokwe** and C. N. Onyenanu, Anticorrosion properties of Vitex doniana on Mild steel in HCl solution, Journal of Multidisciplinary Engineering Science Studies (JMESS) ISSN: 2458-925X Vol. 6 Issue 7, July – 2020, [www.jmess.org](http://www.jmess.org);
8. Bartholomew Chukwudi Amadi, Philomena Kanwulia Igbokwe and Chijioke Elijah Onu, Enzymatic Hydrolysis of Blend of Lignicellulosic Materials for Reducing Sugar Production: Screening of Significant Process Factors, Asian Journal of Chemical Sciences, Volume 8 [Issue 4], 2020, <https://journalbank.org/index.php/AJOCS/article/view/3313>
9. Nnabundo N. Musei, Chijioke E. Onu, Kingsley I. Ihuaku and **Igbokwe Philomena**, Effects of Lithium Sulfate and Zinc Sulfate on the Cycle Life and Efficiency of Lead Acid Batteries, ACS Omega XXXX, XXX, XXX-XXX, <http://dx.doi.org/10.1021/acsomega.0c05831pubs.acs.org/journal/acsodf>, 2021 ;
10. Tochukwu Kevin Dibia, **Philomena Kanwulia Igbokwe**, Christian Oluchukwu Asadu. Response Surface Methodology: An Effective Tool For The Optimization Of The Extraction Of Vitamin E From Palm Fatty Acid Distillate By Enzymatic Hydrolysis. *Authorea.* February 06, 2020;
11. [Nwobasi Veronica Nnenna,   **K. Igbokwe Philomena** and Onu Chijioke Elijah](https://journaljmsrr.com/index.php/JMSRR/article/view/30132), Removal of Methylene Blue Dye from Aqueous Solution Using Modified Ngbo Clay*,* Journal of Materials Science Research and Reviews, Vol. 5 No.2, pp. 33-46, 2020;
12. Kevin Tochukwu Dibia, **Philomena Kanwulia Igbokwe**, Godfrey Ifechukwu Ezemagu and Christian Oluchukwu Asadu, Exploration of the Quantitative Structure-Activity Relationships for Predicting Cyclooxygenase-2 Inhibition Bioactivity by Machine Learning Approaches, Results in Chemistry4(2022)100272, <https://doi.org/10.1016/j.rechem.2021.100272>, available online December 23, 2021
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