**COLLEGE OF POSTGRADUATE STUDIES**

**NNAMDI AZIKIWE UNIVERSITY**

**AWKA**

**PROFILING OF POSTGRADUATE SUPERVISORS**

**List of Potential Supervisors (According to Faculty & Department)**

1. **FACULTY OF ENGINEERING**
2. **Department of Agricultural and Bioresources Engineering**

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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. | Nwajinka, Charles Obiora | Reader | Food and Bioprocess Engineering; Biomaterials Characterization; Crop Processing and Storage; Biosystems Engineering. | PGD, Masters and PhD | 1. Nwajinka, C O, Okpala, D.C, Ibuodinma Joy (2019). Evaluation of Freeze-Drying Characteristics of Plantain and Carrot Slices. Journal of Agricultural Engineering and Technology (JAET), Volume 24 (No.1). pp. 57-58. © www.niae.net iii
2. Nwajinka C.O, Okpala C D, Atu I J (2018). Determination of Selected Physical properties of African Breadfruit (var. inversa) Seeds. Journal of Engineering and Applied Science (JEAS). Vol. 14 (1): pp. 26-39.
3. Nwajinka C.O, Okpala C D, Atu I J (2018). Evaluation of Some Properties of Moringa Oleifera Seeds. Journal of Engineering and Applied Science (JEAS). Vol. 14 (1): pp. 40-54.
4. Nwajinka, C.O. Okonjo, E.O. (2019). Modeling Carrot Slices Drying Characteristics Using Microwave Oven. Agric. Eng. Int: CIGR Journal Open access at http://www.cigrjournal.org, Vol. 21, No. 4. 231-235.
5. Okonjo Emmanuel Obiajulu, Nwuba Ephraim Uba and Nwajinka Charles Obiora (2019). Modeling Microwave Drying Characteristics of Sweet Potato and the Effects on Nutrients Availability. Journal of Engineering and Applied Sciences, Volume 15, Number 1, December 2019, 35-45
6. Onu Chijioke Elijah , Igbokwe Philomena K., T. Nwabanne Joseph, Nwajinka Charles O., E. Ohale Paschal (2020). Evaluation of optimization techniques in predicting optimum moisture content reduction in drying potato slices. Artificial Intelligence in Agriculture (Science Direct). 4 (1) 39–47. http://www.keaipublishing.com/en/journals/artifi cialintelligence-in-agriculture.
7. C.O. Nwajinka, E.O.Okonjo, D.O. Amaefule and D.C. Okpala (2020). Effects of Microwave Power and Slice Thickness on Fiber and Ash Contents of Dried Sweet Potato (*Ipomoea Batata*). Nigerian Journal of Technology. Vol. 39 (3). July 2020.
8. I.E. Nwatu, C.O. Nwajinka and A.B. Muochebe (2020). Development of Optimized Substitution Ratio for Wheat-Cassava-African Yam Bean Flour Composite for Nigerian Bread Industries. Nigerian Journal of Technology. Vol. 39 (4).
9. A.B. Muochebe, C.O. Nwajinka, I.E. Nwatu. (2020). Determination of Optimal Parboiling Conditions for Nigerian FARO-44 Rice Variety, Nigerian Journal of Technology. Vol.39 (4).
10. N.N. Mbegbu, C.O. Nwajinka, D.O. Amaefule (2021). Thin Layer Drying Models and Characteristics of Scent Leaves (Ocimum gratisimum) and Lemon Basil Leaves (Ocimum africanum). Heliyon 7 (2021). <http://doi.org/10.1016/j.heliyon.2021.e05945>.
 | oc.nwajinka@unizik.edu.ng |
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