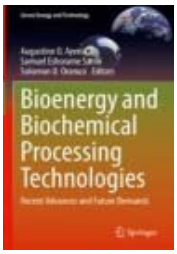

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Phytochemicals and Anti-Microbial Properties of Neem (*Azadirachta indica*) Seed Oil Extract

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Abstract

The neem tree is popularly known in Nigeria as ‘Dogonyaro’ and has been known across the world for its various answers facing some major health concerns to human race. This paper aims at evaluating the oil extract of neem seeds for it anti-microbial properties, phytochemical screening as well as the GC-MS analysis. Soxhlet extraction method was used with hexane as solvent. Phytochemical analysis on the oil showed the presence of triterpenes within which the main ingredient azadirachtin was found

while the anti-microbial analysis carried out on the oil indicated a high inhibition zone on fungal microbes – *Candida albicans* and *Rhizopus* which cause Candidiasis and ketoacidosis in man which can be fatal. Hence drugs can be formulated in treating such diseases from the neem oil.

Keywords

- **Phytochemical**
- **Microbes**
- **Solvent**
- **Soxhlet**
- **Extract**
- **Inhibition**

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Conflict of Interest

The authors declare that they have no conflict of interest.

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