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Scientific technology development, a necessary tool for promotion of organic agriculture in Africa: A case study of scientists in organic agriculture in Nigeria

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Appropriate technology development (TD) and transfer are fundamental to the promotion of organic agriculture (OA) as tool for safe food production. This study assessed the technology developed by scientists, motivational factors and the challenges of TD for the promotion of OA in Nigeria. The study area was South Western zone of Nigeria. Thirty percent of the members of organic movements were randomly selected (78) and surveyed with the use of questionnaire, the data were analyzed using frequency distribution, percentage, and Pearson product moment correlation (PPMC). The study shows that majority (48.4%) of the respondents within the age range of 30-40 years and that interest in OA, health and environmental concern ranked high as motivational factors for TD. Funding and inadequate exposure to OA techniques were challenges to TD. There was significant correlation between motivational factors and TD ($r=0.277$, $p\leq 0.05$). Thus, it could be concluded that the health and environmental safety are major factors that motivate for TD but funding and inadequate exposure to OA techniques are challenges to scientific TD for promotion of OA.

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