MAKERERE UNIVERSITY

**College of Natural Sciences (CoNAS)**
**Staff Profile for Prof.Esezah Kyomugisha Kakudidi**

| NO: | ITEM | CONTENT |
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| 1. | Profile Photo |  |
| 2. | Name | Esezah Kyomugisha Kakudidi |
| 3. | Department | Plant Sciences, Microbiology and Biotechnology |
| 4. | Designation | Lecturer |
| 5. | Rank | Professor |
| 6. | Mobile Number | 256 712929254 |
| 7. | Office Number | - |
| 8. | Email Address/es | esezah.kakudidi@mak.ac.ug<br>esezahk@gmail.com |
| 9. | Qualifications | PhD in Botany (Ethnobotany) - Mak; MSc in Botany (Plant Taxonomy) – ANU; BSc (Botany, Zoology) - Mak; Dip in Education – Mak; Diploma in Science (ANU) |
| 10. | Research Interests | Botany (Plant Taxonomy) and Ethnobotany- medicinal and wild food plants. |
| 11. | Ongoing projects | Access to Benefit Sharing of Biological Resources: (ABSbio Project) 2019 - 2022 |
| 12. | Previous Projects | 2010 – 2014 TB Ethnobotany Research Project.<br>2010 – 2013 Wild food resources in central and eastern Uganda |
| 13. | Community Outreach Programmes | |
| 14. | Teaching areas | Botany (Plant Taxonomy), Ethnobotany |
| 15. | Publications | Walusansa, A., Asiimwe, S., Kafeero, H. M., Stanley, I. J., Ssenku, J. E., Nakavuma, J. L., & **Kakudidi, E. K**. (2021). Prevalence and dynamics of clinically significant bacterial |

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| | | contaminants in herbal medicines sold in East Africa from 2000 to 2020: a systematic review and meta-analysis. Tropical Medicine and Health, 49(1), 1-14.<br>Walusansa, A., Asiimwe, S., Ssenku, J. E., Anywar, G., Namara, M., Nakavuma, J. L., & **Kakudidi, E. K.** (2021). Herbal Medicine used for the treatment of diarrhea and cough in Kampala city, Uganda. https://doi.org/10.21203/rs.3.rs-937360/v1<br>Anywar, G., Tugume, P., & **Kakudidi, E. K.** (2021). A review of Aloe species used in traditional medicine in East Africa. South African Journal of Botany.<br>Asiimwe, S., Anywar, G. U., **Kakudidi, E. K**., & Tugume, P. (2021). Medicinal Plants in Uganda as Potential Therapeutics against Neurological Disorders. In Medicinal Herbs and Fungi (pp. 421-443). Springer, Singapore.<br>Ochora, D. O., **Kakudidi, E**., Namukobe, J., Heydenreich, M., Coghi, P., Yang, L. J., ... & Yenesew, A. (2021). A new benzophenone, and the antiplasmodial activities of the constituents of *Securidaca longipedunculata* Fresen (Polygalaceae). Natural Product Research, 1-9.<br>Walusansa, A., Asiimwe, S., Kafeero, H. M., Stanley, I. J., Ssenku, J. E., Nakavuma, J. L., & **Kakudidi, E. K**. (2021). Prevalence and dynamics of clinically significant bacterial contaminants in herbal medicines sold in East Africa from 2000 to 2020: a systematic review and meta-analysis. Tropical Medicine and Health, 49(1), 1-14.<br>Chalo, D. M., **Kakudidi, E**., Origa-Oryem, H., Namukobe, J., Franke, K., Yenesew, A., & Wessjohann, L. A. (2020). Chemical constituents of the roots of *Ormocarpum sennoides* subsp. *zanzibaricum*. Biochemical Systematics and Ecology, 93, 104142.<br>Mulugo, L. W., Galabuzi, C., Nabanoga, G. N., Turyahabwe, N., Eilu, G., Obua, J., **Kakudidi E.K**… ... & Sibelet, N. (2020). Cultural knowledge of forests and allied tree system management around Mabira Forest Reserve, Uganda. Journal of Forestry Research, 31(5), 1787-1802.<br>Anywar, G., **Kakudidi, E**., Byamukama, R., Mukonzo, J., Schubert, A., & Oryem-Origa, H. (2020). Medicinal plants used by traditional medicine practitioners to boost the immune system in people living with HIV/AIDS in Uganda. European Journal of Integrative Medicine, 35, 101011. https://doi.org/10.1016/j.eujim.2019.101011<br>Anywar, G., **Kakudidi, E**., Byamukama, R., Mukonzo, J., Schubert, A., & Oryem-Origa, H. (2020). Data on medicinal plants used by herbalists for boosting immunity in people living with HIV/AIDS in Uganda. Data in brief, 29, 105097.<br>Anywar G., **E. Kakudidi**, R. Byamukama, J. Mukonzo, A. Schubert, H. Oryem-Origa. Indigenous traditional |

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| | | knowledge of medicinal plants used by herbalists in treating opportunistic infections among people living with HIV/AIDS in Uganda. Journal of Ethnopharmacology 246 (2020) 112205<br>https://doi.org/https://doi.org/10.1016/j.jep.2019.112205<br>Ojelel, S., Mucunguzi, P., Kalema, J., **Kakudidi, E. K**., Namaganda, M., & Katuura, E. (2020). Nutritional value of selected wild edible plants in Teso-Karamoja Region, Uganda. African Journal of Food, Agriculture, Nutrition and Development, 20(4), 16112-16125.<br>Ojelel, S., Kalema, J., Katuura, E. **Kakudidi, E.K**., Namaganda, M., and Mucunguzi, P. (2019a). Direct use values and nutritional potential of selected wild edible plants from Teso-Karamoja Region, Uganda. In: Suneetha, M. S Evonne Y, RaJarshi D & Yauso T. Understanding the multiple values associated with sustainable use in socio-ecological production landscapes (SEPLS). United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS), Tokyo, Japan.<br>Ojelel, S., Mucunguzi, P., Katuura, E. **Kakudidi, E.K**., Namaganda, M., and Kalema, J. (2019b). Wild edible plants used by communities in and around selected forest reserves in Teso-Karamoja Region, Uganda. Journal of Ethnobiology and Ethnomedicine, 115:3<br>Mulugo, L. W., C. Galabuzi, G. N. Nabanoga, N. Turyahabwe, G. Eilu, J. Obua, **E. Kakudidi**, et al. (2019). Cultural knowledge of forests and allied tree system management around Mabira Forest Reserve, Uganda. J. For. Res. DOI 10.1007/s11676-019-00961-6<br>Galabuzi, C, G. Eilu, L. Mulugo, **E. Kakudidi**, J. R. S. Tabuti & N. Sibelet. (2019). Strategies for empowering the local people to participate in forest restoration. Agroforest Syst. DOI 10.1007/s10457-014-9713-6<br>Tugume, P., M. Buyinza and **E. K. Kakudidi** (2019) Creating Awareness of The Value of Non-Timber Forest Products to Rural Communities Around Mabira Central Forest Reserve, Uganda. Forestry Ideas, 25, No 1 (57): 119–135<br>Hamilton, A.C., D. Karamura and E. Kakudidi. 2016. History and Conservation of wild and cultivated plant diversity in Uganda: forest species and banana varieties as case studies. Plant Diversity 1:26 – 52.<br>Tugume, P., Buyinza, M., Namaalwa, J., **Kakudidi, E. K**., Mucunguzi, P., Kalema, J., & Kamatenesi, M. 2015. Socio-economic predictors of dependence on non-timber forest products: lessons from Mabira Central Forest Reserve Communities. Journal of Agriculture and Environmental Sciences, 4(2), 195-214.<br>Kyakuwaire,M., V. Ochowh, **E. Kakudidi** and J. Tumuhairwe. 2015. Characterization of Soil Conditions for Wild Edible Plants' Habitats in Semi-Arid Areas of Uganda. |

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| | | International *Journal of Agriculture Innovations and Research* Volume 3, Issue 6, ISSN (Online) 2319-1473<br>Galabuzi, C., G. Eilu, G. N. Nabanoga, N. Turyahabwe, L. Mulugo, **E. Kakudidi** and N. Sibelet 2015. Has the Evolution Process of Forestry Policies in Uganda Promoted Deforestation? *International Forestry Review* 17(3):298-310.<br>**Kakudidi Esazah**, Ayorekire Fredric, Okeng- Ogwal Jasper and Anywar Godwin. 2015. Phytochemical Analysis and Screening of Ugandan Medicinal Plants for Antifungal Activity against Candida albicans. *International Journal of Tropical Disease & Health*,. 9 (1): 1-8, 2015.<br>Claude, Kirimuhuzya, Bunalema Lydia, R. S. Tabuti John, **Kakudidi K. Esezah**, Orodho John, Magadula Jangu Joseph, Otieno Nicholas, and Paul Okemo. "A presentation at the 14 th NAPRECA Symposium held at ICIPE, Kasarani, Nairobi, Kenya on 10 th August 2011 The in vitro antimycobacterial activity of medicinal plants used by traditional medicine practitioners (TMPs) to treat tuberculosis in the Lake Victoria basin in Uganda." *Chest* 5: 5-2.<br>**Kakudidi, E.,** Anywar G, Ayorekire F, Ogwal-Okeng J. 2015. Antifungal medicinal plants used by communities adjacent to Bwindi Impenetrable National Park, Uganda. *European J Medicinal Plants*, 7(4): 184-192.<br>Samuel Ojelel and **Esezah K Kakudidi**. 2015. Wild edible plant species utilized by a subsistence farming community in Obalanga sub-county, Amuria district, Uganda. *Journal of Ethnobiology and Ethnomedicine* 11:7. doi:10.1186/1746-4269-11-7<br>Kamatenesi Mugisha, M., S. Asiimwe, A. Namutebi, A. Borg_Karlson, and **E. K. Kakudidi**. 2014. Ethnobotanical study of indigenous knowledge on medicinal and nutritious plants used to manage opportunistic infections associated with HIV/AIDS in western Uganda. *Journal of Ethnopharmacology* 155: 195 - 202<br>Manuel K. Schneider1, Gisela Lu¨scher, Philippe Jeanneret, Michaela Arndorfer, Youssef Ammari, Debra Bailey, Katalin Bala´zs, Andra´s Ba´ldi, Jean-Philippe Choisis, Peter Dennis, Sebastian Eiter, Wendy Fjellstad, Mariecia D. Fraser, Thomas Frank, Ju¨rgen K. Friedel, Salah Garchi, Ilse R. Geijzendorffer, Tiziano Gomiero, Guillermo Gonzalez-Bornay, Andy Hector, Gergely Jerkovich, Rob H.G. Jongman, **Esezah Kakudidi**, Max Kainz, Aniko´ Kova´cs-Hostya´nszki, Gerardo Moreno, Charles Nkwiine, Julius Opio, Marie-Louise Oschatz, Maurizio G. Paoletti, Philippe Pointereau, Fernando J. Pulido, Jean-Pierre Sarthou, Norman Siebrecht, Daniele Sommaggio, Lindsay A. Turnbull, Sebastian Wolfrum & Felix Herzog1. 2014. Gains to species diversity in organically farmed fields are not |

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| | | propagated at the farm level. *Nature communications*. DOI: 10.1038/ncomms5151<br>Adia M.M., G. Anywar, R. Byamukama, M. Kamatenesi-Mugisha, Y. Sekagya, **E. K. Kakudidi** and B.T. Kiremire. 2014. Medicinal plants used in malaria treatment by Prometra herbalists in Uganda *Journal of Ethnopharmacology* 155: 580 -588<br>Galabuzi, C, G. Eilu, L. Mulugo, **E. Kakudidi**, J.R.S. Tabuti and N. Sibelet. 2014. Strategies for empowering the local people to participate in forest restoration. *Agroforestry Syst*. 88.719 – 734. DOI: 1007/s10457-014-9713-6<br>Otieno, J. N., Magadula, J. J., **Kakudidi, E**., Kirimhuzya, C., Orodho, J. and Okemo, P. 2011.Use of ethnobotanical criteria for conservation assessment of plants used for respiratory diseases in Lake Victoria region, Tanzania *International Journal of Biodiversity and Conservation*; Vol. 3(11), pp. 610-617. 8.<br>Mbatudde, M., M. Mwanjololo, **E. K. Kakudidi** and H. Dalitz. 2013. Modelling the potential distribution of endangered Prunus africana (Hook.f.) Kalkm. in East Africa. *Afr. J. Ecol*. 50, 393–403<br>Mulumba, J.W. and **E. Kakudidi**. 2013. Numerical taxonomic study of Acacia senegal (Fabaceae) in the cattle corridor of Uganda. *South African Journal of Botany* 76 (2010) 272–278<br>Ssekabira, K., H. Oryem-Origa, T. A. Basamba, G. Mutumba and **E. Kakudidi**. 2011. Applicaton of algae in biomonitoring and phytoextraction of heavy metal contamination in urban stream water. *Int. J. Environ. Sci. Tech*. 8(1): 115 – 128.<br>Ssekabira, K., H. Oryem-Origa, T. A. Basamba, G. Mutumba and **E. Kakudidi**. 2010a. Assessment of Heavy Metal Pollution in the Urban Stream Sediments and its Tributaries. *Int. J. Environ. Sci. Tech*. 7(3): 453 – 446.<br>Ssekabira, K., H. Oryem-Origa, T. A. Basamba, G. Mutumba and **E. Kakudidi**. 2010b. Heavy Metal assessment and Water Quality in the Urban Stream and Rain Water. *Int. J. Environ. Sci. Tech*. 7(4): 759 – 770<br>Mulugo, L., Nabanoga, G. N. K., Turyahabwe, N., Eilu, G., Galabuzi, C., Tabuti, J. R. S., ... **Kakudidi, E.** & Sibelet, N. (2009). Traditional knowledge on tree management and forest restoration of Mabira central reserve, Uganda.<br>Mulugo, L., Nabanoga, G. N. K., Turyahabwe, N., Eilu, G., Galabuzi, C., Tabuti, J. R. S., ... **Kakudidi, E.** & Sibelet, N. (2009). Traditional knowledge on tree management and forest restoration of Mabira central reserve, Uganda.<br>Nantale, G., **Kakudidi, E. K**., Karamura, D. A., & Soka, G. (2008). Scientific basis for banana cultivar proportions on-farm in East Africa. *African Crop Science Journal*, *16*(1).<br>Ojok, M. F., **Kakudidi, E. K**., Kamatenesi, M. M., Mabusela, W., & Adams, J. (2007). Immunological evaluation of Commicarpus plumbagineus Standl.(Nyctaginaceae) use in |

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| | | reproductive health care in Uganda. *African Journal of Ecology*, *45*, 116-119.<br>Bulafu, C. E., Mucunguzi, P., & **Kakudidi, E. K.** (2007). Diversity and distribution of wild terrestrial orchids of Mt Elgon Forest National Park, eastern Uganda. *African Journal of Ecology*, *45*, 21-28.<br>**Kakudidi, E. K.** (2007). A study of plant materials used for house construction around Kibale National Park, Western Uganda. *African Journal of Ecology*, *45*, 22-27.<br>**Kakudidi, E. K.** (2007). Utilization of firewood from within and around Kibale National Park in Western Uganda. *Uganda Journal*, *51*, 54-65.<br>**Kakudidi, E. K.** (2004). Cultural and social uses of plants from and around Kibale National Park, Western Uganda. *African Journal of Ecology*, *42*, 114-118.<br>**Kakudidi, E. K.,** Bukenya-Ziraba, R., & Kasenene, J. M. (2004). Wild foods from in and around Kibale National Park in Western Uganda. LIDIA. *Nor J Bot*, *6*(3), 65-82.<br>**Kakudidi, E. K.** (2003). Crafts-making plants from in and around Kibale National Park, Western Uganda. *Uganda Journal*, *49*, 46-55.<br>**Kakudidi, E. K.** (2004). Folk plant classification by communities around Kibale National Park, western Uganda. *African Journal of Ecology*, *42*, 57-63.<br>**Kakudidi, E. K**., Bukenya-Ziraba, R., & Kasenene, J. M. (2000). The medicinal plants in and around Kibale National Park in Western Uganda. *A Norwegian Journal of Botany*.<br>Foster, R. B., Hernández, N. C., **Kakudidi, E. K**., & Burnham, R. J. (1995). A variable transect method for rapid assessment of tropical plant communities. *Conservation International*.<br>**Kakudidi, E. K. Z.,** Lazarides, M., & Carnahan, J. A. (1988). A revision of Enneapogon (Poaceae, Pappophoreae) in Australia. *Australian Systematic Botany*, *1*(4), 325-353.<br><br>BOOK CHAPTER<br>Asiimwe, S., Anywar, G. U., **Kakudidi, E. K**., & Tugume, P. (2021). Medicinal Plants in Uganda as Potential Therapeutics against Neurological Disorders. In: Agrawal, D. C., & Dhanasekaran, M. (Eds.). Medicinal Herbs and Fungi (pp. 421-443). Springer, Singapore.<br>Tugume, P., Anywar, G., Ojelel, S., & **Kakudidi, E.K.** (2020) Tamarind (Tamarindus indica L.): A reiew of its use as a spice, a culinary herb and medicinal applications. In: Atta-ur-Rahman, F.R.S., Choudhary, M.I., & Yousuf, S. (eds). Science of Spices and Culinary herbs, Vol 2, Betham Science Publishers pte Ltd, Singapore<br>**Kakudidi, E.,** Kirimuhuzya, C., Anywar, G., Katuura, E., & Kiguli, J. (2016). Medicinal Plants Used in the Management of Noncommunicable Diseases in Uganda. In: H.S.Tsay et |

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| | | al. (eds). Medicinal Plants-Recent Advances in Research and Development (chapter 17, pp. 397-418). Springer Singapore. DOI 10.1007/978-981-10-1085_17<br>Ssekabira, K., H. Oryem-Origa, T. A. Basamba, G. Mutumba and **E. Kakudidi**. 2012. Grain Size and Source Appointment of Heavy Metals in Urban Stream Sediments. In: Nuray Balkis (ed). Water Pollution. ISNB 978-953-307-963-2. In Tech. February 2, 2012. Chapter 4. |
| 16. | | BOOKS<br>Katende, A. B., Bukenya, Z. R., **Kakudidi, E. K**., & Lye, K. A. (1998). Catalogue of economically important plants in Uganda.<br>Godwin Anywar, Patience Tugume, Paul Segawa, Patrick Mucunguzi and Esezah Kyomugisha Kakudidi. Priority Medicinal Plants of Uganda Makerere University Press (in press) |
| 17. | Awards | **Kakudidi E** (PI) and Kirimuhuzya C. 2010 – 2014. Vicres Phase III. TB ethnobotany research project.<br>Eilu Gerald and **Esezah Kakudidi** (PIs): 2008 – 2010. Wild Food Plants and Secondary Crops Consumed among Households Surroundings Forests/Woodlands and Management Practices for On Farm Conservation, Makerere- Carnegie Institutional Development Program Competitive Senior Research Grant. |
| 18. | Grants | Access to Benefit sharing- Sustainable use of Biodiversity (ABSbio). Partners: Leipzig University (German), IRGIB (Benin) and Makerere University (Uganda). Funded by DAAD |
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