

CURRICULUM VITAE

PROF. GUSTAV KOMLAGA, PhD

Professor of Pharmacognosy

Faculty of Pharmacy and Pharmaceutical Sciences

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Profiles: KNUST Staff Profile / Google Scholar / Scopus / ORCID / ResearchGate

EXECUTIVE LEADERSHIP PROFILE

Professor Gustav Komlaga is a senior academic leader and Natural Products Scientist with over 20 years of university teaching, research, and administrative experience at KNUST. He is the immediate past Head of the Department of Pharmacognosy (2021–2025) and has provided leadership in academic planning, curriculum oversight, staff development, postgraduate training, and research governance. His research leadership spans medicinal plant pharmacology, herbal medicine standardisation, and translational natural products research, with strong linkages to herbal medicine practice and community engagement. He is committed to capacity building, quality assurance, and strengthening institutional impact and sustainability.

KEY STRATEGIC LEADERSHIP AREAS

- Academic planning, curriculum oversight, and quality assurance
- Staff mentoring, capacity building, and succession planning
- Research strategy and postgraduate education
- Translational research, innovation, and product development
- Community engagement and industry collaboration

SENIOR LEADERSHIP & ADMINISTRATIVE EXPERIENCE

Head, Department of Pharmacognosy, KNUST (*Nov 2021 – Oct 2025*)

- Provided strategic and administrative leadership for 20+ academic and technical staff
- Oversaw undergraduate and postgraduate teaching, examinations, accreditation, and curriculum review
- Mentored junior faculty, contributing to staff promotion, improved teaching quality, and research productivity
- Strengthened postgraduate supervision systems and research output
- Promoted community engagement and stakeholder collaboration in herbal medicine practice

Selected University Service

- Supervisor, Industrial/Field Trips for Pharmacy and Herbal Medicine students (2024–2025)
- Team Leader, Community Pharmacy Experiential Training Site Monitoring Team (2023–2024)
- Reviewer, KNUST Research Fund (KReF 8) applications (2023)
- Chairman, Proposal Review Committee, PhD Haematology Programme (2021)
- Reviewer, *Journal of Science and Technology (JUST)* (2020–present)
- Examination Officer, Departments of Pharmacognosy and Herbal Medicine (2006–2010)

ACADEMIC APPOINTMENTS

- **Professor of Pharmacognosy**, KNUST (Aug 2025–present)
- **Associate Professor**, KNUST (Aug 2019–July 2025)
- **Senior Lecturer**, KNUST (Oct 2011–Aug 2019)
- **Lecturer**, KNUST (Dec 2005–Sep 2011)
- **Demonstrator**, KNUST (2002–2004)
- **National Service**, KNUST (2000–2001)

Other Teaching Appointments

- Part-time Lecturer, University of Ghana, Legon (2009–2011)
- Adjunct Lecturer, Central University College, Tema (2010–2011)

EDUCATION & PROFESSIONAL TRAINING

- PhD (Pharmacognosy/Microbiology), KNUST / Université Paris-Saclay, France (2016/2017)
(Topic: Search for antimalarial compounds from Ghanaian medicinal plants)
- MPharm (Pharmacognosy), KNUST (2005)
- BPharm, KNUST (2000)
- Certificate in Management of Drug Supplies, Robert Gordon University (2004)

RESEARCH LEADERSHIP & OUTPUT

- 40+ peer-reviewed journal publications in reputable international journals
- Research focus on malaria, cancer, diabetes, and herbal medicine safety and efficacy
- Strong record of interdepartmental and international collaboration
- Emphasis on translational research linking laboratory findings to products development

GRANTS & SCHOLARSHIPS

- **Embassy of France in Ghana – PhD Scholarship** (2012)
- **KNUST Research Fund (KReF)** – Competitive grants (2017, 2018)

POSTGRADUATE SUPERVISION & TRAINING (KPIs)

- **PhD:** 7 candidates (main and co-supervisor; 6 completed and 1 ongoing)
- **MPhil:** 7 candidates (4 completed and 3 ongoing)
- **MSc:** 1 international postgraduate student (completed)
- **Undergraduate:** 100+ research projects supervised

NATIONAL & INTERNATIONAL SERVICE

National

- Assessor for Promotion, Centre for Plant Medicine Research (CPMR) (2025)
- Assessor of curricula, Ghana Tertiary Education Council (GTEC) (2023–present)
- Chief Examiner (Science), Jackson’s College of Education (2023–present)
- Assessor for Promotion, University of Ghana (2021–present)
- External Examiner, University of Development Studies (UDS) and University of Health and Allied Sciences (UHAS) (2018–2023)
- Moderator roles in Pharmacy programmes

International

- Part-time Lecturer, Pan African University Institute of Life and Earth Sciences, University of Ibadan (2025)
- Curriculum Reviewer, Sky University, Nigeria (2023)
- Editorial Board Member, *PLOS ONE* (2023–present)
- Reviewer, *Journal of Ethnopharmacology* (2016–present)
- Reviewer, *ACS Omega* (2023)
- Reviewer, *Scientific African* (2019–present)

PROFESSIONAL MEMBERSHIPS

- University Teachers Association of Ghana (UTAG)
- Pharmaceutical Society of Ghana (PSGH)

SELECTED PUBLICATIONS

Nketia, R. I., Desmond, N., Forkuo, A. D., Asante-Kwatia, E., Zoiku, F. K., Mensah, M. L.

K., & **Komlaga, G.** (2025). Antimalarial activity of the aqueous extract and anthraquinones from the root of *Senna siamea* (LAM) H.S. Irwin & Barneby (Fabaceae). *Scientific African*, 27, e02579.

<https://doi.org/10.1016/J.SCIAF.2025.E02579>

Addy, B. S., Firempong, C. K., **Komlaga, G.**, Addo-Fordjour, P., Domfeh, S. A., Afolayan, O., & Emikpe, B. O. (2024). In vitro antiproliferative activities of some Ghanaian medicinal plants. *Clinical Phytoscience* 2024 10:1, 10(1), 1–10.

<https://doi.org/10.1186/S40816-024-00383-W>

Afolayan, O. D., Firempong, C. K., **Komlaga, G.**, Addo-Fordjour, P., Addy, B., Domfeh, S. A., Narkwa, P. W., Mutocheluh, M., & Emikpe, B. O. (2024). In vitro cytotoxic activity of five Ghanaian plants on human cancer cell lines. *Scientific African*, 26, e02477. <https://doi.org/10.1016/J.SCIAF.2024.E02477>

Firempong, C. K., Addo-Fordjoub, P., **Komlaga, G.**, Ameyaw, Y., Okechi, N., Nirvana, Frederick, K., & Yaw, A.-A. (2023). Ethnobotanical study of medicinal plants used to treat HIV, cancer and diabetes in some communities of Ashanti Region, Ghana. *Journal of Herbal Medicine*, 130784. <https://doi.org/10.1016/j.hermed.2023.100648>

(Full publication list available via Google Scholar.)

REFEREES

- Prof. Christian Agyare, College of Health Sciences and Pharmaceutical Science, KNUST, Kumasi
- Prof. Merlin L.K. Mensah, Faculty of Pharmacy and Pharmaceutical Science, KNUST, Kumasi
- Prof. Noble Kuntworbe, Faculty of Pharmacy and Pharmaceutical Science, KNUST, Kumasi