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| Europass  Curriculum Vitae | | PASSPORT PHOTO | | | | | | | | | | | | |
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| Personal information | |  | | | | | | | | | | | | |
| First name(s) / Surname(s) | | KIHIA, Charles Maina | | | | | | | | | | | | |
| Address(es) | | Department of Biological Sciences, Egerton University P.O. Box 536 Egerton, Kenya | | | | | | | | | | | | |
| Telephone(s) | | +254-51-2217808 | | | | | Mobile: | | | | +254-0723-747899 | | | |
| Fax(es) | | +254-51-2217942 | | | | | | | | | | | | |
| E-mail | | charles.kihia@gmail .com | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Nationality | | Kenyan | | | | | | | | | | | | |
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| Date of birth | | 08-April-1968 | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Gender | | Male | | | | | | | | | | | | |
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| Desired employment / Occupational field | | Professor in Ecology and Environmental Sciences | | | | | | | | | | | | |
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| Work experience | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | 2012 to present | | | | | | | | | | | | |
| Occupation or position held | | Senior Lecturer, | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching, research examinations processing, undergraduate/postgraduate supervision | | | | | | | | | | | | |
| Name and address of employer | | Department of Biological Sciences, Egerton University P.O. Box 536 Egerton Kenya | | | | | | | | | | | | |
| Type of business or sector | | Education/Research  2014-Present  Senior Lecturer,  Teaching Ecological courses & Research  Department of Biological Sciences, Egerton University P.O. Box 536 Egerton Kenya  Education/Research  2011-2014  Senior Lecturer, Exam officer, Zoology Section head  Teaching Ecological courses & Research  Department of Biological Sciences, Egerton University P.O. Box 536 Egerton Kenya  Education/Research  2008-2011  Lecturer  Teaching Ecological courses & Research  Department of Biological Sciences, Egerton University P.O. Box 536 Egerton Kenya  Education/Research  1996-2008  Assistant Lecturer  Teaching Ecological courses & Research  Department of Biological Sciences, Egerton University P.O. Box 536 Egerton Kenya  Education/Research | | | | | | | | | | | | |
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| Education and training | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | 2002-2007 | | | | | | | | | | | | |
| Title of qualification awarded | | PhD Environmental Sciences | | | | | | | | | | | | |
| Principal subjects/occupational skills covered | | Thesis research; Litter input, retention and bio-processing in a mangrove forest, Gazi Bay, Kenya | | | | | | | | | | | | |
| Name and type of organisation providing education and training | | Egerton University, Kenya | | | | | | | | | | | | |
| Level in national or international classification | | ISCED 6 (remove if not relevant, see instructions)  1992-1994  MSc Zoology specialisation; Ecology  Moi University, Kenya  ISCED 5B  1988-1992  Bsc Zoology other subjects Botany, Chemistry  Moi University, Kenya  ISCED 5A | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Personal skills and competences | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Mother tongue(s) | | Kikuyu | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Other language(s) | |  | | | | | | | | | | | | |
| Self-assessment | |  | Understanding | | | | | Speaking | | | | | Writing | |
| European level (\*) | |  | Listening | | Reading | | | Spoken interaction | | Spoken production | | |  | |
| English | |  | C2 | Proficient user | C2 | Proficient user | | C2 | Proficient user | C2 | | Proficient user | C2 | Proficient user |
| Kiswahili | |  | C2 | Proficient user | B2 | Independent user | | C2 | Proficient user | B2 | | Independent user | B2 | Independent user |
| French | |  | A2 | Basic user | A2 | Basic user | | A2 | Basic user | A2 | | Basic user | A2 | Basic user |
| German | |  | A1 | Basic user | A1 | Basic user | | A1 | Basic user | A1 | | Basic user | A1 | Basic user |
|  | | (\*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en) | | | | | | | | | | | | |
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| Social skills and competences | | Communication skills; Acquired through teaching, participation in symposia and participation in social activities (e.g. churches, schools)  Interpersonal skills; Day to day interactions with students, staff and parents at Egerton University and elsewhere  Adaptability skills: Acquired through working and training at a variety of local and international institutions (e.g. ZMT, Bremen).  Conflict management: Acquired through participation in DAAD sponsored, Water use conflict management in Tsavo catchment training seminars, 2013 and 2014. | | | | | | | | | | | | |
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| Organisational skills and competences | | DAAD ALUMNI Bagamoyo 2018, conference organisation  Leadership skills; Acquired during day to day activities as head of Zoology section, Department of biological Sciences (2011-2014),  Organisational skills; Acquired through organisation and coordination of student seminars and ecological field trips. Organised and coordinated the signing of MOU between Egerton University and ZMT, Bremen. Social leadership at, Member Board of Governors Bahati Girls Secondary,  Project management skills; Co-Investigator NACOSTI projects, Building of church as Development Chair St. Barnabas Anglican Church, Management of investment portfolio as Development chair, Baraka pals group. Team leader Ruforum project | | | | | | | | | | | | |
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| Technical skills and competences | | Quality control skills; Acquired through processing of exams at the department  Evaluation skills; Acquired through evaluation of proposals, thesis and papers  E-learning content development; Acquired during e-learning training workshop, Egerton University, 2014  Judging skill; Ask show judge 2014 to present | | | | | | | | | | | | |
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| Computer skills and competences | | Good command of Microsoft office tools; Used during writing, data processing and presentation  Good command of SPSS: used during analysis of research data  Good command of Sigma plot: used during analysis and presentation of research data  Adequate command of Corel ; participated in short institutional training course | | | | | | | | | | | | |
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| Additional information | **Publications**:  **Kihia CM**, LM Gitonga, J Tembo, E Kanyeki, J Munguti, B Muli, 2018. Fishing power of conventionally harvested wetland baitworms compared to black soldier fly larvae as alternatives baits in tropical artisanal fishery. *International Journal of Fisheries and Aquatic Studies*, 6(4); 528-536.  Mbilu M, W Wanyoike, M Kangogo, C Bii, AW Muthumbi, **C Kihia**, 2018. Isolation and characterization of endophytic fungi from medicinal plant *Warbugia ugandensis*. *Journal of biology, Agriculture and Healthcare*, ISSN 2224-2228, online 2225-093X.  **Kihia CM**, 2018. Musing of a deshelled tropical hermit from the mudflats of the western Indian ocean. SANCOR newsletter, issue 129; 9-10.  **Kihia CM**, SW Waigwa, JM Munyaka, 2017. Polychaete (*Maphysa mosambica*) morphometrics and their use in estimation of polychaete size and breeding values of bait exploited by artisanal fishers at the Kenyan coast. *Advances in Ecological ad Environmental Research*, 1-19.  **Kihia CM,** Muthumbi A, Munguti J, Muli BM, Ombati T**,** 2016. Sectorial appraisal of investor and consumer potential for polychaete culture enterprises along the Kenyan coastline. RUFORUM Working Documents Series, (ISSN 1607-9345), 14(2); 861-868  Muli BM**, Kihia CM,** Fulanda BM, Muthumbi A, Munguti J**,** 2016. Effects of polychaete based diets on growth and survival of tiger shrimp juveniles. RUFORUM Working Documents Series, (ISSN 1607-9345), 14(2); 907-911.  **Kihia C.M**., A. Muthumbi, J. Okondo, A. Nthiga, V. Njuguna, JM Muchiri, 2016. Valuation of fishery among artisanal bait fishers that use non-commercialized intertidal bait at the Mida Creek, Kenya. *International Journal of Marine Science*, 6(23); 1-9.  **Kihia C.M**. Y. Hendrick, A. Muthumbi, J. Okondo, A. Nthiga, V. Njuguna, 2015. Feeding habits and trophic status of fish landed by tropical artisanal bait fishers at the Mida creek, Kenya. *International Journal of Marine Science*, 5(42); 1-9.  **Kihia CM**, A Muthumbi, J Okondo, A Nthiga, VM Njuguna, 2015. Influence of human disturbance on shell utilization by gastropods and hermit crabs along at tropical mangrove fringed creek, Mida Kenya. *Wetlands Ecology and Management*. 23(2), Doi 10.1007/s11273-015-9429.  **Kihia C.M**. A. Muthumbi, J. Okondo, A. Nthiga, V. Njuguna, Mangrove hermit crab utilization in artisanal bait fishery: Narratives on bait collection, processing and use by bait fishers at creek, Mida, Kenya. SANCOR Newsletter, March 2015, Issue ‘ 207; 21-22  **Kihia C.M**. Y. Hendrick, A. Muthumbi, J. Okondo, A. Nthiga, V. Njuguna, 2015. Morphometric characterization of fish landed by artisanal bait fishers at the Mida creek, Kenya. *International Journal of Fisheries and Aquaculture*, 6(2); 15-24; Doi 10.5897/IJFA14.0451.  **Kihia CM**, U Saint-Paul, JM Mathooko, RK Ruwa, WA Shivoga, 2015. Leaf litter processing in Kenyan mangrove forest impacted by human physical disturbance. *Journal of Environment, natural Resource Management and Society*, Vol 2(2); 59-73.  **Kihia, C.M**. 2014. Impact of human physical disturbance on mangrove forest structure at the Gazi bay, Kenya. *Egerton Journal of Science and Technology 14: 31.48*.  **Kihia, C.M**., J.M. Mathooko, R.K. Ruwa & W.A. Shivoga, 2012. Influence of human physical disturbance on litter standing crop biomass in a tropical mangrove forest. *Journal of Environment, Natural Resource Management and Society 1:1-12*.  **Kihia, C.M**., J.M. Mathooko, R.K. Ruwa & W.A. Shivoga, 2012. Leaf herbivore preference in a tropical mangrove forest impacted by human physical disturbance *International Journal of Ecology and Development* Vol 22(2) 52-62.  **Kihia, C.M**., J.M. Mathooko, R.K. Ruwa & W.A. Shivoga, 2011. Influence of human disturbance on leaf herbivory at Gazi bay mangrove forest, Kenya. *African* *Journal of Aquatic Science* 36(3).  **Kihia, C.M**., J.M. Mathooko, R.K. Ruwa & W.A. Shivoga, 2010. Mangrove litter biomass input in a forest impacted by human disturbance. *Ecotropica* 16: 113-123.  **Submitted manuscripts**  Kihia CM, A Muthumbi, J Okondo, Bait fisheries at Mida creek: Fisher perception, knowledge and attitudes. Book draft **in preparation, 2014.**  **Manuscripts in preparation**  **Thesis**  PhD Thesis, Egerton University 2007: Litter input, retention and bio-processing in a mangrove forest, Gazi Bay, Kenya.  Msc thesis, Moi University 1994; An ecological study of an exotic aphid pest of cypress forest plantations in Kenya. |
|  | **Thesis supervision**  **Msc**  Life history strategies of artificially cultured eunicid polychaetes under different dietary regimes. TS Ombati, MSc thesis Egerton University.  Comparative study of performance of tiger shrimp juveniles reared on cultured polychaete based diet. BM Muli, MSc thesis, Pwani University 2015 to present.  Antimcrobial potential of mangrove endophytic fungi extracts against common pathogenic bacteria of pond reared fish in Kenya. Nganga G Msc thesis, JKUAT, 2016 to present.  Distribution and abundance of whelks and hermit crabs in mangrove forest targeted by bait fisher at Mida Creek. Nthiga, A. MSc thesis, conservation Biology, Nairobi University. 2013 to present.  Ecological impact of harvesting polychaete worms as fishing bait along mudflat at Mida creek, Kenya. Njuguna, VM. MSc thesis, Conservation Biology, University of Nairobi. 2013 to present.  Effect of bacterial and fungal mangrove endophyte extract on selected pathogen in Kenya. Kimere, SM. Msc thesis, JKUAT. 2014 to present.  **PhD**  Patterns of intertidal marine ornamental gastropods exploitation along the Kenyan coastline. PhD thesis Natural Resources Management, Egerton University by Gikonyo NN, 2015-Present  Efficacy of endophyte extracts against selected waterborne protozoans of Human importance. PhD thesis in medical parasitology, Egerton University, by D. Ayonga, 2015- present  **Thesis examined**  Effects of urban wastewater on the feeding, abundance and bioturbation of fiddler crab *Uca* *annulipes* (H. Milne Edward) in mangrove forests along the Kenyan coast. Awuor MA, MSc thesis, Kenyatta University, 2014..  Constrains and opportunities for coffee productivity on the slopes of Mt. Kilimanjaro in the face of climate change. Abel Petro MSc thesis Nelson Mandela African Institute of Technology, School of Material, Energy, Water and Environmental Sciences, Tanzania, 2015.  Role of fruit bat *Eidolon helvum* and avian frugivores in guava seed dispersal and plant regeneration within farmland in Vihiga, Western Kenya. Makau RK MSc thesis, Biology of Conservation, University of Nairobi, November 2016.  Seasonal Variation of *E. coli* and nutrients as indicators of pollution by sewage in selected recreational beaches of Mombasa County, Kenya. Hamid HA MSC Thesis, Environmental Science, Pwani University, 2017.  The ecology of Ombeyi wetland and livelihood dynamics of the local communities in Nyando sub-county. Obodi VA, MSc NARE, Egerton university 2017  Decentralised Environment Conservation; an examination of effectiveness in wildlife Management areas, Tanzania; Case study of Idodi-Pawaga WMA. Kiwango Wilhelm A, PhD dissertation Environmental Sciences and Engineering of Nelson Mandela African Institute of Science & Technology, 2017.  **Grants and Scholarships**  BIEA 2019**. Kihia CM**, Macai JN, Mbaru EK. Indigenous knowledge and management of marine biohazard among a selection of seascape users at the Kenyan coastline. Commencement  Ruforum 2015. **Kihia CM**, Muthumbi A., Munguti J., Muli J., Performance of cultured polychaete worms as alternative marine fishing bait and mariculture fish fee in Kenya. 59,609 USD. In Commencement phase.  JKUAT, 2014. Wanjiru W, **Kihia CM**, Muthumbi A. Mwangi P. Prospecting for bio-active potential of endophytes associated with medicinal forest trees in Kenya and their efficacy against pathogenic fungal pathogens. 2.9 Million Ksh. In commencement phase.  NACOSTI 2014: Wanjiru W, **Kihia CM**, Muthumbi A. Bioactive potential of mangrove endophyte extracts and their efficacy against common fish pathogens. 1.8 Million Ksh, On-going.  DAAD Post-Doc grant, 2012: 6 month research study visit ZMT, Bremen.  NACOSTI 2012: Muthumbi A, **Kihia CM**, J Okondo, Ecological impacts of bait fisheries among communities living adjacent to coastal wetlands 1.5 Million Ksh, in completion phase.  DAAD in-country PhD scholarship Egerton University 2002-2007 A/0012848  DAAD Study 6 month visit grant to ZMT Bremen 2005 A/04/06660  Moi University Msc Scholarship 1992-1994  **Publications reviewed**  16 journal submissions |
| Annexes | **Membership in Professional Associations**  East African Natural History Society  Kenya Society for Ethno-Biology  Ecological Society of East Africa  ZMT DAAD Alumni Association  Southern African Network of Coastal and Ocean Research SANCOR  Indo-Pacific Seagrass Network  Editorial Board membership; International Journal of fisheries & Aquaculture, Nature sustainability,  Copy BSc, MSc, PhD Certificates |





