

CV Date	04/11/2022
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Part A. PERSONAL INFORMATION

First Name	Anthony		
Family Name	Nzioka Mutua		
Sex	Male	Date of Birth	22/06/1979
ID number Social Security, Passport			
URL Web			
Email Address	nzioka@hotmail.com; anthony.nzioka@ehu.es		
Open Researcher and Contributor ID (ORCID)	0000-0001-7541-0184		

A.1. Current position

Job Title	PhD candidate (Pre-doc)		
Starting date	2018		
Institution	Universidad del País Vasco		
Department / Centre	Zoology and Animal Cell Biology / Faculty of Science and Technology and Plentzia Marine Station (PiE-UPV/EHU)		
Country		Phone Number	
Keywords			

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2017 - 2018	Research Scientist II / Kenya Marine and Fisheries Research Institute
2016 - 2016	Research Scientist II / Kenya Marine and Fisheries Research Institute / Kenya
2012 - 2016	Assistant Research Scientist / Kenya Marine and Fisheries Research Institute / Kenya
2004 - 2012	Laboratory Technician III / Kenya Marine and Fisheries Research Institute

A.3. Education

Degree/Master/PhD	University / Country	Year
Master Universitario Erasmus Mundus en Medio Ambiente y Recursos Marinos/Erasmus Mundus Master of Science in Marine Environment and Resources - MEREMMC	University of the Basque Country (Universidad del País Vasco) / Spain	2016
Erasmus Mundus Master of Science in Marine Environment and Resources - MEREMMC	University of Liege / Belgium	2016
Erasmus Mundus Master of Science in Marine Environment and Resources - MEREMMC	University of Bordeaux / France	2014
Bachelor of Science in Fisheries and Aquatic Sciences	Moi University / Kenya	2012
Programa Oficial de Doctorado en Medio Ambiente y Recursos Marinos	Universidad del País Vasco	

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper.** Uku, J.; Daudi, L.; Alati, V.; Nzioka, A.; Muthama, C.2021. The status of seagrass beds in the coastal county of Lamu, Kenya Aquatic Ecosystem Health and Management. Michigan State University Press. 24-1, pp.35-42. ISSN 15394077. <https://doi.org/10.14321/ae hm.024.01.07>
- 2 **Scientific paper.** Valencia, A.; Andrieu, J.; Nzioka, A.; Cancio, I.; Ortiz-Zarragoitia, M.2020. Transcription pattern of reproduction relevant genes along the brain-pituitary-gonad axis of female, male and intersex thicklip grey mullets, *Chelon labrosus*, from a polluted harbor General and Comparative Endocrinology. Elsevier. 287, pp.113339. ISSN 00166480. <https://doi.org/10.1016/j.ygcen.2019.113339>
- 3 **Scientific paper.** Mwachireya, S.; Nzioka, A. M.; Mutiso, D.N.2017. Coral Recruit-Algae Interactions in Coral Reef Lagoons Are Mediated by Riverine Influences International Journal of Ecology. Hindawi. 2017. ISSN 1687-9708. <https://doi.org/10.1155/2017/1351854>
- 4 **Conference abstract.** Nzioka, A.; Cancio, I.; Diaz de Cerio, O.; Ortiz-Zarragoitia, M.; Pinto, E.; Almeida, A.; Correia, A.T.2022. Use of Otolith Shape and Elemental Signatures to Infer the Population Structure of the Thicklip Grey Mullet *Chelon labrosus* in the Southern Bay of Biscay Biology and Life Science Forum. MDPI. 13-1, pp.70. ISSN 2673-9976. <https://doi.org/10.3390/blsf2022013071>

C.2. Conferences and meetings

- 1 Ibon Cancio; Joyanta Bir; Anthony Nzioka; Iratxe Rojo- Bartolomé; Maren Ortiz- Zarragoitia; Oihane Diaz de Cerio. It takes two to tango and if you are a fish oocyte you will also need enough ribosomes. 8th International Workshop on the Biology of Fish Gametes. Institute of Animal Reproduction and Food Research, Polish Academy of Sciences. 2022. Poland.
- 2 Anthony Nzioka; Ibon Cancio; Oihane Diaz de Cerio; Maren Ortiz- Zarragoitia; Edgar Pinto; Agostinho Almeida; Alberto Teodorico Correia. Use of otolith shape and elemental signatures to infer the population structure of the thicklip grey mullet *Chelon labrosus* in the Southern Bay of Biscay. ASSEMBLE Plus Closing Ceremony. European Marine Biological Resource Centre. 2022. France.
- 3 Anthony Nzioka. Population structure of catadromous thicklip grey mullet in the Basque Coast in connection to estuarine homing, exposure to xenoestrogens and development of intersex condition. MER COMMUNITY SUMMIT 2022. MER Consortium, Plentzia Marine Station. 2022. Spain.
- 4 Anthony Nzioka; Ibon Cancio; Oihane Diaz de Cerio; Maren Ortiz- Zarragoitia; Edgar Pinto; Agostinho Almeida; Alberto Teodorico Correia. Use of otolith shape and elemental signatures to infer the population structure of the thicklip grey mullet *Chelon labrosus* in the Southern Bay of Biscay. IX Iberian Congress of Ichthyology – SIBIC2022. Centre of Marine and Environmental Research (CIIMAR). 2022. Portugal. 'Participatory - poster. Conference.
- 5 Anthony Nzioka; Oihane Diaz de Cerio; Maria-Jose Madeira; Lambros Kokokiris; Maren Ortiz- Zarragoitia; Alberto Teodorico Correia; Ibon Cancio Uriarte. Population structure of catadromous thicklip grey mullet in the Basque coast in connection to estuarine homing, exposure to xenoestrogens and development of intersex condition. 21st Pollutant Responses in Marine Organisms (PRIMO 21). University of Gothenburg. 2022. Sweden.
- 6 Anthony Nzioka; Maren Ortiz- Zarragoitia; Oihane Diaz de Cerio; Ibon Cancio. Molecular pathways involved in ovarian follicular atresia in European hake (*Merluccius merluccius*). XIII Congress of Iberian Association for Comparative Endocrinology – AIEC (online). Iberian Association of Comparative Endocrinology - AIEC - AIEC. 2021. Portugal.
- 7 Ainara Valencia; Oihane Diaz de Cerio; Anthony Nzioka; Maren Ortiz- Zarragoitia; Ibon Cancio. Xenoestrogenicity in estuaries of the North Iberian Peninsula; Intersex thicklip grey mullets (*Chelon labrosus*) lost in transcription. XX Congress of Iberian Association for Comparative Endocrinology - AIEC. Iberian Association of Comparative Endocrinology - AIEC. 2019. Portugal.

- 8 Ainara Valencia; Josu Andrieu; Anthony Nzioka; Ibon Cancio; Maren Ortiz-Zarragoitia. Target gene transcription levels along the HPG-axis of female, male and intersex thicklip grey mullets from a polluted harbour. XI Congress of Iberian Association for Comparative Endocrinology. Iberian Association of Comparative Endocrinology - AIEC. 2017. Spain.
- 9 Ainara; Josu; Anthony Nzioka; Ibon; Maren Ortiz- Zarragoitia. Alterations in gene expression in the HPG-axis of female, male and intersex mullets from a polluted harbour. International Symposium on Pollutant Responses in Marine Organisms (PRIMO 19). Ehime University. 2017. Japan.
- 10 Ainara; Josu; Anthony Nzioka Mutua; Ibon; Maren Ortiz Zarragoitia. Transcriptional profiles of HPG-axis related genes in female, male and intersex thicklip grey mullets (*Chelon labrosus*). 8ISFE: 8th International Symposium on Fish Endocrinology. 2016. Sweden.
- 11 Ainara; Josu; Anthony Nzioka; Ibon; Maren Ortiz- Zarragoitia. Brain and gonadal transcriptional profiles of HPG-axis related genes in female, male and intersex thicklip grey mullets (*Chelon labrosus*). VI Iberian Congress of Ichthyology. 2016. Spain.
- 12 Anthony Nzioka. Morphometrics and Meristic Variations between populations of the white-spotted rabbit fish, *Siganus sutor* (Valenciennes, 1835) from the Kenyan Coast. 8th WIOMSA Scientific Symposium: Science and Society: Building Partnerships for Action. Western Indian Ocean Marine Science Association (WIOMSA). 2013. Mozambique.

C.3. Research projects and contracts

- 1 **Project.** IFS Research Grant Agreement No. A/5106-1, Ecological and socio-economic impact of spear fishing in selected areas along the Kenya coast. International Foundation for Science (IFS). Cosmas Munga. (Kenya Marine and Fisheries Research Institute (KMFRI)). 2012-2013. Team member. Coordinated field research activities.
- 2 **Project.** Born2BeGG. (Universidad del País Vasco). From 2018.
- 3 **Project.** Lamu Seascape Ecological Monitoring. World Wide Fund for Nature (WWF Kenya). (Lamu, Kenya). From 12/2016. Team member.
- 4 **Project.** Rock Lobster Fishery in Kenya. New Partnership for Africa Development (NEPAD) Planning and Coordinating Agency (NPCA). Elizabeth Mueni. (State Department of Fisheries (SDF)). From 2014. Team member.
- 5 **Project.** Kenya Coastal Development Project (KCDP). World Bank; Global Environment Facility (GEF). (Kenya Marine and Fisheries Research Institute (KMFRI)). From 2011. Team member.

C.5. Stays in public or private R&D centres

1. Universidad del País Vasco. Dept. Zoology & Animal Cell Biology; Faculty of Science & Technology and Research Centre for Experimental Marine Biology and Biotechnology (PiE-UPV/EHU). Spain. Leioa. From 22/07/2018 - Present. 4 years. Doctorate.
2. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR). Portugal. Porto. 14/11/2021-06/02/2022. 2 months. Doctorate.
3. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR). Portugal. Porto. 31/05/2021-30/06/2021. 1 month. Doctorate.
4. Universidad del País Vasco. Dept. Zoology & Animal Cell Biology; Faculty of Science & Technology and Lucio Lascaray Research Centre. Spain. Vitoria-Gasteiz. 01/04/2019-30/06/2019. 3 months. Doctorate.
5. Universidad del País Vasco. Faculty of Science and Technology, Dept. Zoology and Animal Cell Biology. Spain. Leioa. 03/2016-08/2016. 6 months. Master Thesis.
6. University of Liege. Stareso Station De Recherches Sous Marines Et Océanographiques. France. Calvi. 18/10/2015-24/10/2015. 5 days. Masters.
7. University of Eduardo Mondlane (UEM). Inhaca Marine Station. Mozambique. Maputo. 02/12/2013-13/12/2013. 12 days. Advanced Course.
8. Southeast Asian Fisheries Development Centre (SEAFDEC). Aquaculture Department (AQD). Philippines. Tigbauan. 25/06/2013-31/07/2013. 37 days. Training Course.
9. Can Tho University. College of Aquaculture and Fisheries. Vietnam. Can Tho. 21/02/2013-20/04/2013. 2 months. Training Course.
10. National Museums of Kenya (NMK). Ichthyology Department. Kenya. Nairobi. 01/05/2011-30/08/2011. 4 months. Industrial/Research Attachment.