Stanford

Josheena Naggea

Postdoctoral Scholar, Earth System Science

Bio

BIO

Josheena is an André Hoffmann Fellow at the Stanford Center for Ocean Solutions and the World Economic Forum. Her current work is focused on centering blue justice and equity for ocean innovations in small-scale fisheries and aquaculture. Her community-engaged research has focused on climate change adaptation, marine protected area management, disaster impacts and recovery, and the valorization of natural and cultural heritage in ocean governance. She has a keen interest in understanding people-ocean connections and how they influence coastal livelihoods, local environmental stewardship, and food security.

She is also an IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services) fellow on the Transformative Change Assessment, investigating the determinants of transformative change and pathways for achieving the 2050 Vision for Biodiversity.

Josheena holds a Ph.D. in Environment and Resources from the Emmett Interdisciplinary Program in Environment and Resources (E-IPER) at Stanford University. Her doctoral work aimed to support ocean governance in the Western Indian Ocean, with a focus on the Republic of Mauritius, her home country. She is presently a national steering committee member of the Global Environment Facility (GEF) Small Grants Programme (SGP), implemented by the United Nations Development Programme (UNDP) in Mauritius, where she continues to support community-led efforts for sustainability, biodiversity conservation, and poverty alleviation.

STANFORD ADVISORS

- Chris Field, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Josheena is an André Hoffmann Fellow at the Stanford Center for Ocean Solutions and the World Economic Forum Centre for the Fourth Industrial Revolution. Her current work is focused on centering blue justice and equity for ocean innovations in small-scale fisheries and aquaculture. Her community-engaged research has focused on climate change adaptation, marine protected area management, disaster impacts and recovery, and the valorization of natural and cultural heritage in ocean governance. She has a keen interest in understanding people-ocean connections and how they influence coastal livelihoods, local environmental stewardship, and food security.

She is also an IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services) fellow on the Transformative Change Assessment, investigating the determinants of transformative change and pathways for achieving the 2050 Vision for Biodiversity.

Josheena holds a Ph.D. in Environment and Resources from the Emmett Interdisciplinary Program in Environment and Resources (E-IPER) at Stanford University. Her doctoral work aimed to support ocean governance in the Western Indian Ocean, with a focus on the Republic of Mauritius, her home country. She is presently a national steering committee member of the Global Environment Facility (GEF) Small Grants Programme (SGP), implemented by the United Nations Development Programme (UNDP) in Mauritius, where she continues to support community-led efforts for sustainability, biodiversity conservation, and poverty alleviation.

Publications

PUBLICATIONS

- **A comparative case study of multistakeholder responses following oil spills in Pointe d'Esny, Mauritius, and Huntington Beach, California** *ECOLOGY AND SOCIETY*
  Naggea, J., Miller, R. K.
  2023; 28 (1)

- **Rare coral and reef fish species status, possible extinctions, and associated environmental perceptions in Mauritius** *CONSERVATION SCIENCE AND PRACTICE*
  McClanahan, T., Munbodhe, V., Naggea, J., Muthiga, N., Bhagooli, R.
  2021

- **Biodiversity needs every tool in the box: use OECMs Comment** *NATURE*
  Gurney, G. G., Darling, E. S., Ahmadia, G. N., Agostini, V. N., Ban, N. C., Blythe, J., Claudet, J., Epstein, G., Estradivari, Himes-Cornell, A., Jonas, H. D., Armitage, D., Campbell, S. J., et al
  2021; 595 (7869): 646-649

- **How adaptive capacity shapes the Adapt, React, Cope response to climate impacts: insights from small-scale fisheries** *CLIMATIC CHANGE*
  Green, K. M., Selgrath, J. C., Frawley, T. H., Oestreich, W. K., Mansfield, E. J., Urteaga, J., Swanson, S. S., Santana, F. N., Green, S. J., Naggea, J., Crowder, L. B.
  2021; 164 (1-2)

- **The impact of environmental change on small-scale fishing communities: moving beyond adaptive capacity to community response** *PREDICTING FUTURE OCEANS: SUSTAINABILITY OF OCEAN AND HUMAN SYSTEMS AMIDST GLOBAL ENVIRONMENTAL CHANGE*
  Oestreich, W. K., Frawley, T. H., Mansfield, E. J., Green, K. M., Green, S. J., Naggea, J., Selgrath, J. C., Swanson, S. S., Urteaga, J., White, T. D., Crowder, L. B., CisnerosMontemayor, A. M., Cheung, et al
  2019: 271–82

- **Triple exposure: Reducing negative impacts of climate change, blue growth, and conservation on coastal communities** *ONE EARTH*
  Gill, D. A., Blythe, J., Bennett, N., Evans, L., Brown, K., Turner, R. A., Baggio, J. A., Baker, D., Ban, N. C., Brun, V., Claudet, J., Darling, E., Di Franco, et al
  2023; 6 (2): 118-130