

CAMILLE B. CONCEPCION SILVOSA

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CURRENT POSITIONS

Research Associate 2025-Present
Conservation Science Global, Philippines

Research Associate 2019-Present
Hawk Mountain Sanctuary Association, USA

EDUCATION

PhD, West Virginia University, USA May 2017
Forest Resource Sciences (Area of emphasis: Wildlife ecology)
Dissertation: *Movement ecology of Philippine birds of prey*

MSc, University of East Anglia, UK August 2010
Université de Poitiers, France
Universidade da Coimbra, Portugal
Applied Ecology: Conservation ecology and environmental science (European Programme)
Thesis: *Environmental drivers of peregrine falcon *Falco peregrinus* breeding performance in southeastern Scotland, 1964-2009*

MS, University of the Philippines Open University 2008
Environment and Natural Resource Management
18 of 36 units earned

BS, University of the Philippines April 2003
Biology (major in Ecology)
Thesis: *A survey of benthic macroinvertebrates as biological indicators in Lipadas River*

RESEARCH EXPERIENCE

Project Soar Awardee – Researcher 2017 - 2019
Hawk Mountain Sanctuary, USA
Studied over-water flight behavior of migrating Grey-faced buzzards.

Graduate Research Assistant 2013-2016
Davis College, West Virginia University, USA
Under the Katzner Lab, conducted movement ecology studies of birds of prey in the Philippines.

RESEARCH EXPERIENCE (con't)

Project Soar Awardee – Researcher 2012

Hawk Mountain Sanctuary, USA

Conducted the first full season hawk migration monitoring in the Philippines and verified a previously unknown part of the migration flyway.

Conservation Science Spring Trainee 2011

Hawk Mountain Sanctuary, USA

Four-month traineeship on conservation science focused on migratory raptors.

Field Biologist 2003-2008

Philippine Eagle Foundation, Philippines

Handled population surveys for Philippine eagles (*Pithecophaga jefferyi*) and conducted breeding behavior studies. Experience in eagle trapping and telemetry.

On-Call Field Biologist 2003

Philippine Eagle Foundation, Philippines

Assisted in a bat survey as part of the suitability assessment of a proposed experimental release site.

GRANTS AND RESEARCH FUNDING

- Project Soar Award, Hawk Mountain Sanctuary. **2019**. \$1,500
- Project Soar Award, Hawk Mountain Sanctuary. **2018**. \$2,500
- Project Soar Award, Hawk Mountain Sanctuary. **2017**. \$2,500
- Project Soar Award, Hawk Mountain Sanctuary. **2016**. \$3,250
- The Peregrine Fund. **2016**. \$1,000
- William A. Burnham Memorial Fund, The Peregrine Fund. **2015**. \$5,000
- Lewis and Clark Exploration Fund, American Philosophical Society. **2014**. \$5,000
- Sperry Fund Scholars in Raptor Conservation Science. **2013**. \$60,000 (3 year grant)
- Project Soar Award, Hawk Mountain Sanctuary. **2011**. \$2,500

PEER-REVIEWED PUBLICATIONS

9. Pitogo, K.M.E, Jarvis, F., Saavedra, A.J.L., Senarillos, T.L., **Concepcion C.B.**, and Simpson, P.M. (2023) Avian fauna of Mount Melibengoy, southern Mindanao, Philippines: conservation implications on a partially protected key biodiversity area under threat. *Philippine Journal of Systematic Biology* 57 (1): 22-68.
8. McClure, C.J.W., Vargas, H., Amar, A., **Concepcion C.B.**, MacColl, C. and Sumasgutner, P. (2022) Conservation Letter: Monitoring raptor populations – A call for increased global collaboration and survey standardization. *Journal of Raptor Research* 17 (1): 29-40.

PEER-REVIEWED PUBLICATIONS

7. Katzner, T., Thomson, E., Huhmann, K., Conkling, T., **Concepcion C.B.**, Slabe, V., and Poessel, S. (2022) Open-source intelligence for conservation biology. *Conservation Biology* 36: e13988.
6. Dumandan, P.K.T, Prado, T.M.B., Limparungpatthanakij, W., Hansasuta, C., **Concepcion C.B.** and Round, P.D. (2022) Among-species differences in seasonal timing and weather correlates of autumn raptor migration at Khao Dinsor, Thailand, 2015-2016. *Journal of Raptor Research* 56 (3): 323-332.
5. **Concepcion CB**, Bildstein KL, Katzner TE. 2020 GIS-Modeling of island hopping through the Philippines demonstrates trade-offs migrant grey-faced buzzards face during oceanic crossings. *Journal of Engineering, Environment, and Agricultural Research* 2: 11–28.
4. **Concepcion, C. B.**, K. L. Bildstein, N. J. Collar, and T. E. Katzner. 2018. Conservation threats and priorities for raptors across Asia. Pages 395–418 in J. H. Sarasola, J. M. Grande, and J. J. Negro, editors. *Birds of prey: Biology and conservation in the XXI century*. Springer, Cham, Switzerland.
3. **Concepcion, C. B.**, Dumandan, P. T., Silvosa, M. R., Bildstein, K. L., & Katzner, T. E. 2017. Species composition, timing and meteorological correlates of autumn open-water crossings by raptors migrating along the East-Asian Oceanic Flyway. *Journal of Raptor Research* 51 (1): 25–37.
2. **Concepcion, C. B.**, Sulapas, M. & Ibanez, J. C. 2006. Food habits and breeding behavior at a Philippine Eagle nest in Mount Apo Natural Park, Mindanao, Philippines. *Banwa* 3: 91–105.
1. Silvosa, M. R., **Concepcion, C. B.**, Ibanez, J. C. & Ibanez, G. B. 2004. Bats in the geothermal reservation of Mt. Apo Natural Park. *Agham Mindanaw* 2: 73–82.

REVIEWING ACTIVITY

- Current Zoology. **2017**. 1 feature article reviewed.
- Forktail. **2018**. 1 feature article reviewed.
- Ardeola. **2019**. 1 feature article reviewed.
- Philippine Journal of Science. **2020**. 1 feature article reviewed. **2021**. 1 feature article reviewed.
- Journal of Raptor Research. **2020**. 1 feature article reviewed. **2021**. 1 feature article reviewed. **2022**. 1 feature article reviewed. **2024**. 1 short communication.
- Scientific Reports (Nature). **2021**. 1 feature article reviewed.
- The Palawan Scientist Journal. **2023**. 1 feature article reviewed. **2024**. 1 feature article reviewed.
- Global Ecology and Conservation. **2024**. 1 feature article reviewed.

PAPERS PRESENTED

10. **Concepcion, C. B.**, Bildstein, K. L., Wood, P. B. & Katzner, T. E. **2021**. Abundance of island avian predators in a heavily impacted tropical forest suggests that endemics face greatest risk from landscape changes. 12th ARRCN Conference. Virtual. [Oral Presentation](#)
9. Dumandan, P.K.T, **Concepcion, C. B.**, & Hull, V. **2021**. Socio-ecological dynamics of a migrating raptor using the East-Asian Oceanic Flyway. 2021 Raptor Research Foundation joint Conference with the Neotropical Raptor Network. Virtual, hosted in Boise, ID, USA. [Oral Presentation](#)
8. **Concepcion, C. B.**, Bildstein, K. L., Wood, P. B. & Katzner, T. E. **2018**. Abundance of island avian predators in a heavily impacted tropical forest suggests that endemics face greatest risk from landscape changes. 55th Annual Meeting of the Association for Tropical Biology and Conservation. Sarawak, Malaysia. [Oral Presentation](#)
7. Dumandan, P.K.T, Prado, T.M.B, Limparungpathannakij, W., & **Concepcion, C. B.**, **2017**. Among-species differences in timing and weather correlates of autumn migration at Khao Dinsor, Thailand. 10th ARRCN Symposium on Asian Raptors. Davao City, Philippines. [Oral Presentation](#)
6. **Concepcion, C. B.**, Dumandan, P. T., Silvosa, M. R., Bildstein, K. L., & Katzner, T. E. **2017**. Species composition, timing and meteorological correlates of autumn open-water crossings by raptors migrating along the East-Asian Oceanic Flyway. 10th ARRCN Symposium on Asian Raptors. Davao City, Philippines. [Oral Presentation](#)
5. **Concepcion, C. B.**, Dumandan, P. T., Silvosa, M. R., Bildstein, K. L., & Katzner, T. E. **2016**. Species composition, timing and meteorological correlates of autumn open-water crossings by raptors migrating along the East-Asian Oceanic Flyway. Raptor Research Foundation Annual Conference. Cape May, NJ, USA. [Oral Presentation](#)
4. **Concepcion, C. B.**, Smith, G., Close, A., Rushton, S. & Hassall, M. **2012**. Peregrine falcon (*Falco peregrinus*) breeding performance during a period of population recovery in southeastern Scotland, 1964 – 2009. 7th ARRCN Symposium on Asian Raptors: Raptor migration and conservation in Asia. Ganghwa, Republic of Korea. [Oral Presentation](#)
3. Grier, J.W., Grier, J.C., **Concepcion, C.B.**, and Ibanez, J. **2008**. Eskwelahan Para sa Kinaiyahan: Integration strategies and assessment of student learning of environmental education in upland elementary schools in Mindanao. Baybay City, Philippines. [Oral Presentation](#)
2. **Concepcion, C. B.**, Sulapas, M. & Ibanez, J. C. **2006**. Food habits and breeding behavior at a Philippine Eagle nest in Mount Apo Natural Park, Mindanao, Philippines. Wildlife Conservation Society for the Philippines Annual Conference. Davao City, Philippines. [Oral Presentation](#)
1. Silvosa, M. R., **Concepcion, C. B.**, Ibanez, J. C. & Ibanez, G. B. **2004**. Bats in the geothermal reservation of Mt. Apo Natural Park. Wildlife Conservation Society for the Philippines Annual Conference. Tuguegarao, Philippines. [Poster Presentation](#)

SPEAKING ENGAGEMENTS, WORKSHOPS AND TRAININGS ORGANIZED

24. **“Field Techniques for Birds and Raptors” Date with the Field and the Expert Gang: field sampling techniques for select animal taxa. September 2021.** Zoom, hosted by the Davao Oriental State University. [Speaker](#)
23. **“Bird of Prey: To Save Our Eagle” Post-screening Discussion. March 2021.** Zoom and YouTube, hosted by the University of the Philippines Zoological Society. [Speaker](#)
22. **Climate Change and the Philippine Biodiversity. October 2020.** Zoom and YouTube, hosted by the University of the Philippines Association of Biology Majors. [Speaker](#)
21. **Climate Change and the Philippines. September 2020.** Zoom and YouTube, hosted by Youth Advocates for the Philippines Region X. [Speaker](#)
20. **The Wind and the Water: Migration Along the East Asian Oceanic Flyway. June 2020.** Zoom and YouTube, hosted by Hawk Mountain Sanctuary. [Speaker](#)
19. **Sana OL May Uno: A Workshop on Becoming an Effective Leader. 2020.** RSRC Training Hall, MSU-GSC. [Training Chair and Facilitator](#)
18. **Training Workshop on Water-Efficient Urban Container Gardening. 2019.** Barangay Session Hall, Fatima, General Santos City. [Facilitator.](#)
17. **Educators for Bat Education in Mindanao. October 2010.** Island Garden City of Samal, Philippines. [Training Chair and Facilitator](#)
16. **Philippine Bat Conservation Forum. October 2010.** Island Garden City of Samal, Philippines. [Organizer and Documenter](#)
15. **Eskwelahan Para sa Kinaiyahan: Evaluating The Tropical Rainforest and The People Book. April 008.** Sunrise Resort, Mati, Philippines. [Organizer and Trainer](#)
14. **Eskwelahan Para sa Kinaiyahan: Strategies for Integration Teaching. October 2007.** Park N’ Chow Mati, Philippines. [Organizer and Trainer](#)
13. **Eskwelahan Para sa Kinaiyahan: 1st Teachers’ Training-Workshop. June 2007.** Philippine Eagle Center, Davao City, Philippines. [Organizer and Trainer](#)
12. **Wildlife Conservation Society of the Philippines Annual Conference. April 2007.** Ateneo de Davao, Davao City, Philippines [Organizing Committee](#)
11. **Training on Raptor Research and Management Techniques for Mount Irid-Angilo Collaborators. February 2007.** Training Center for Tropical Resources and Ecosystems Sustainability & Center for Philippine Raptors, Los Baños, Laguna, Philippines. [Documenter and Trainer](#)

SPEAKING ENGAGEMENTS, WORKSHOPS AND TRAININGS ORGANIZED (con't)

10. **Training on Raptor Research and Management Techniques for Research Collaborators of Mount Hilong-Hilong. February 2007.** Selades Hotel and Restaurant, Tandag, Surigao, Philippines. [Documenter and Trainer](#)
9. **Pamaagi sa Pagtuon ug Pagsubay sa mga Langgam Mangdadagit sa Pilipinas. September 2006.** Davao City, Philippines. [Documenter and Trainer](#)
8. **Region XI Stakeholders' Summit. March 2006.** Malagos Garden Resort, Davao City, Philippines [Secretariat](#)
7. **Rope Climbing and Rappelling Refresher. March 2006.** Philippine Eagle Center, Davao City, Philippines [Trainer](#)
6. **Rope Climbing and Rappelling Refresher. December 2005.** Philippine Eagle Center, Davao City, Philippines [Trainer](#)
5. **Stakeholders' Summit for the Conservation of the Philippine Eagles and the Tropical Forests within the Eastern Mindanao Corridor. July 2005.** Marco Polo Hotel Davao, Davao City, Philippines. [Documenter](#)
4. **2nd Training on Raptor Research and Management Techniques of Birds of Prey in the Philippines. April 2005.** Philippine Eagle Center, Davao City, & Mount Sinaka, Arakan, Cotabato Province, Philippines. [Documenter and Trainer](#)
3. **1st Training on Raptor Research and Management Techniques of Birds of Prey in the Philippines. January 2005.** Philippine Eagle Center, Davao City, & Mount Sinaka, Arakan, Cotabato Province, Philippines. [Documenter and Trainer](#)
2. **Training on Research and Conservation Techniques of Raptors in the Philippines. March 2004.** Philippine Eagle Center, Davao City, & Mount Sinaka, Arakan, Cotabato Province, Philippines. [Documenter and Trainer](#)
1. **1st Mindanao Policy Research Forum. June 2003.** Apo View Hotel, Davao City, Philippines. [Secretariat](#)

PROFESSIONAL ORGANIZATIONS

- Climate Reality Leaders (2019 – Present)
- Association for Tropical Biology and Conservation (2018 – Present)
- Biodiversity Conservation Society of the Philippines (2017 – Present)
- Asian Raptor Research and Conservation Network (2012 – Present)
- Raptor Research Foundation (2008 – Present)
- Association of Field Ornithologists (2011 – 2013)
- Cooper Ornithological Society (2011 – 2013)
- Society for Conservation Biology (2010 – 2012)
- Wildlife Conservation Society of the Philippines (2007 – 2010)

CONSERVATION EDUCATOR EXPERIENCE

Program Developer

2011-2012

Malagos Wildlife Preservation Foundation, Philippines

Designed the “Malagos Wildlife Field School,” a six-week, international, environmental science training program.

Senior Author

2010

Philippine Biodiversity Conservation Foudnation, Philippines

Authored a biodiversity reference book for public, high school teachers in Pollilo Island, Quezon Province.

School-based Education Officer

2007-2008

Philippine Eagle Foundation, Philippines

Coordinator of the project “Eskwelahan Para sa Kinaiyahan” (Schools for Nature), a pilot, environmental education project in eight upland, elementary schools within eastern and central Mindanao.

FORMAL TEACHING EXPERIENCE

Associate Professor

2018-2022

College of Natural Sciences and Mathematics, Mindanao State University GSC

Teaches in the broad field of biological sciences including ecology, systematics, evolutionary biology and physiology.

Graduate Teaching Assistant

2016-2017

Life Sciences, West Virginia University, USA

Instructs four sections of general biology laboratory focused on plant and animal physiology.

Graduate Teaching Assistant

2014

Life Sciences, West Virginia University, USA

Instructs four sections of general biology laboratory focused on plant and animal physiology.

Senior Lecturer

2012-2013

University of the Philippines Mindanao, Philippines

Taught basic ecology and biodiversity conservation courses.

ADMINISTRATIVE WORK EXPERIENCE

Chairperson, MS Biology Program

2018-2021

School of Graduate Studies, Mindanao State University GSC

Coordinator and mentor for the MS Biology program.

Training Resource Developer

2013

Quality Training Group, Australia

Designed and digitized training manuals on engineering.