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AREAS OF EXPERTISE

- Environmental Economics
- Ecology
- Recovery of Degraded Areas
- Biology Conservation
- Carbon Market
- Environmental Assessment

ACADEMIC EDUCATION

2016 **Pos Doctoral** in Environmental Economic, Florida International University, United States of America. Title: Environmental valuation of water use by different economic activities”

2016 **Doctorate** in Environmental Sciences. University of São Paulo, USP, Brazil Title: “Development of a payment mechanism for environmental services in areas affected by sand extraction mining activity”.

2011 **Master** in Environmental Technology. Technological Researches Institute, IPT, Sao Paulo, Brazil Title: “Forest Restoration as a tool for the carbon market”.

2007 **Bachelor’s** in Biological Science. FIEO University, Osasco, Brazil. Title: “Forest Restoration with Natives Plants”

MAIN CERTIFIED COURSES

YEAR	COURSE	INSTITUTION
2015	Geographic Information Systems	Eco Atlantic Environmental Services
2013	Landscape Ecology	IPE - Institute for Ecological

Research

2013	Environmental Economics and Policy	University of California (UCLA)
2012	Development of the Municipal Plan of Conservation and Recovery of the Atlantic Forest	Environmental Consulting S/A
2012	Payment for Ecosystem Services	CETESB – Environmental Agency
2011	Elaboration and Implantation of Forests Projects	SOS Mata Atlantica
2011	Wildlife Studies	Wildlife in Focus
2011	Environmental Licensing and Environmental Impact Assessment	CETESB – Environmental Agency
2011	Public Policy, Climate Change and Impacts	USP – University of Sao Paulo
2011	Corporate Strategies Low Carbon	Industries National Confederation
2009	Remote Sensing for Biology	IPE - Institute for Ecological Research
2009	Reducing Emission from REED	Conservation & Research Center, SMITHSONIAN
2009	Forest Carbon Project Certification in Volunteer Markets	IMAFLORA
2008	Low Carbon Economy	FAPESP
2008	Forest Carbon Credit Market	CETESB – Environmental Agency
2008	Socio-environmental responsibility	Getulio Vargas Foundation
2008	Analysis Attractiveness and Development of Carbon Credit Projects	CMA Education
2007	Climate Changes in Metropolises	CETESB – Environmental Agency

2006	Recovery of Degraded Areas - Focus Riparian Forest	Institute of Botany – Sao Paulo
2006	Environmental Internal Auditor	BSI Brasil
2006	Environmental Impact Assessment in the Coastal Region	USP – University of Sao Paulo
2006	ISO 14000: Environmental Quality: Initiation and conceptualization	SENAC
2005	Education in Coastal Ecosystems	USP – University of Sao Paulo
2005	Recovery of Degraded Areas - Focus Streams	Institute of Botany – Sao Paulo
2005	Analysis of Environmental Impacts and Licensing	Aqualung Institute
2005	Environmental education and Ecotourism	USP – University of Sao Paulo

PROFESSIONAL EXPERIENCE

Year	COMPANY	ACTIVITIES
2016 Present	Florida International University - FIU	Pos Doctoral in Environmental Economic: Environmental valuation of water use by different economic activities”
2016 Present	Arthur R M Loxahatchee Wildlife Refuge	Researches about Wildlife and Water Monitoring and Environmental Economics
2016 Present	South Florida Wildlife Center	Wildlife Rescue, Nursery and Animal Care

2011	EcoAtlântica	Responsible for contracts and financial management.
Present	Environmental Services	Responsible for the preparation and management of socio-environmental projects and field activities. Teacher in Wildlife, Reforestation and Sustainability Courses.
2011	USP – University of Sao Paulo, PhD Course	“Development of a payment mechanism for environmental services in areas affected by sand extraction mining activity”
2015	Nossa Cidade University	Teacher: Postgraduate Course
2007	Biomass / IN-Pact Institute	Responsible for the preparation and management of socio-environmental projects and researches
2015		
2011	Foccus Development	Teacher: Specialization and Postgraduate Course
2012		
2009	IPE - Institute for Ecological Research	Responsible for socio environmental projects; analysis, development and coordination of forestry projects.
2011		
2007	Technological Researches Institute – IPT, Master Degree Course	“Forest Restoration as a tool for the carbon market”
2011		
2008	MaxAmbiental Ltda	Responsible for socio environmental projects; analysis and preparation of forestry projects and conducting wildlife reports.
2009		
2007	Sao Paulo State	Science Teacher (Middle School)
2008		Biology Teacher (High School)
2007	Ecosteios	Environmental Educator
2001	J & W Computer	Support Analyst - Call and visits to clients, support, creation of textbooks and training programs.
2006		

RESEARCH PROJECTS

YEAR	PROJECT	ACTIVITIES
2016 Present	Cypress Swamp Project	Environmental Economics and Environmental Sciences Researches.
2011 2016	Recovery of mining degraded areas, with soil bioengineering techniques, and generation and maintenance of ecosystem services. (IPT / VALE S/A/ FAPESP)	Development of a payment mechanism for environmental services in areas affected by sand extraction mining activity
2014 2016	Reforestation project with native species in the Atlantic Forest biome (The Nature Conservancy / BNDES)	Forest restoration on 21 hectares with native species in Quilombo areas in Turvo Barra region, SP
2013 2015	Wildlife in Sao Paulo Metropolitan Region (EcoAtlântica / CPTM)	Technical Studies for survey of wildlife in the metropolitan region of São Paulo
2014	Hydrochoerus hydrochaeris (Capybara) Conservation	Behavioral study of capybara groups
2014 2014	Brazilian Forest Code and Environmental Services (PROCAM – USP)	Analysis of the effects in the new forest code in sand mining from the perspective of ecosystem services
2012 2014	Environmental Economy versus Environmental Licensing (PROCAM – USP)	Analysis of the environmental licensing process by the bias of environmental economy
2013 2013	Ecosystem Services and Environmental Licensing (PROCAM – USP)	Assess the impacts of mining activity in the Ecosystem Services.
2012	Guardians of the Forest Project	High school students training of the

2012	(EcoAtlântica)	“Capivari Monos” Natural Reserve in environmental education and Ecotourism
2012	Ecosystem Services and Valuation	Ecosystem Services affected the construction of new property construction in Cotia city (Sao Paulo)
2012	Construction (PROCAM – USP)	
2007	Pontal do Paranapanema	Forest Restoration as a tool for the carbon market
2011	Reforestation (IPT)	
2010	Forest Carbon Market (Arvorar – IPÊ)	Estimation of biomass and CO ₂ stored in forest fragments in highly conserved areas of the southeastern state of Bahia (Brazil)
2010		
2008	Carbon Free (MaxAmbiental)	Estimation of GHG and Carbon Neutralization by Reforestation Projects
2009		

PUBLICATIONS AND WORKSHOPS

YEAR	PUBLICATION
2015	POPAK, A, E., A new taxation model based on Ecological Economics , Society and Environmental Journal
2013	POPAK, A. E.; The Relationship Between the Brazilian Forest Code and Ecosystem Services in the Areas Affected by Sand Extraction in Ribeira Valley - Segment Iporanga – Iguape / SP , <i>IV International Workshop on Planning and Sustainable Development in River Basins</i>
2013	POPAK, A. E.; Valuation of ecosystem services in the recovery of degraded areas by sand extraction activity , <i>GEOSUDESTE 2013 CONGRESS</i>
2012	POPAK, A. E.; The environmental impacts assessment in the environmental licensing process in sand extraction activity considering ecosystem services <i>Congress of Environmental Impact Assessment ABAI</i>

2012 **POPAK, A. E.; Valuation of Ecosystem Services in environmental compensation arising from real estate projects.**
Congress of Environmental Impact Assessment ABAI

2012 **POPAK, A. E.; Model of payment for ecosystem services in maintaining forest fragments in the construction of condominiums,**
IV International Congress Payment for Environmental Services

PANEL MEMBER

YEAR PANEL

2010 Member of the **Climate Observatory** board, researcher guest mode

BOOKS AND TEXTBOOKS REVIEWED

YEAR BOOK / TEXTBOOK

2011 **RODRIGUES et al, Monitoring Protocol to Programs / Forest Restoration Projects.** Working Group Scientific-Technical: Pact for Atlantic Forest Restoration. 2011.

DEFENSE COMMITTEE MEMBERSHIP

YEAR UNIVERSITY

2012 **Estacio de Sa University.** Participation as a guest Professor in Defense Committee Membership.

ADVISORY AND CONSULTING

YEAR PROJECT

- 2014** - Forest Restoration and Sustainable Development Coordinator in Environmental Reserve in Barra do Turvo city (Sao Paulo) 20 hectares.
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- 2013** - Coordination and Monitoring in Wildlife Rescue CPTM Line 13 (Sao Paulo Urban Train System) 18 Campaigns
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- 2013** - Coordination Survey, Monitoring and Wildlife Rescue CPTM - Line 9 (Sao Paulo Urban Train System) 12 Campaigns
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- 2013** - Responsible for mammals wildlife in Survey CPTM – Line 13 (Sao Paulo Urban Train System) 6 Campaigns
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- 2013** - Responsible for mammals wildlife in Survey CPTM - Line 9 (Sao Paulo Urban Train System) 6 Campaigns
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- 2015** Technical Responsible for Monitoring groups Hydrochoerus hydrochaeris CPTM - Line 13 (Sao Paulo Urban Train System) 6 Campaigns
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- 2013** 08 Floristic Survey for different environmental licensing processes
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- 2013** 11 Wildlife Survey for different environmental licensing processes
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- 2013** Elaboration of Environmental Management Plan: Encantos da Jureia Natural Heritage Private Reserve.
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- 2013** Elaboration of Environmental Management Plan: Curucutu Natural Heritage Private Reserve.
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- 2013** Elaboration of Environmental Management Plan: Escola da Terra Natural Heritage Private Reserve.
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- 2011** 12 Floristic Survey for different environmental licensing processes
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- 2011** 16 Wildlife Survey for different environmental licensing processes.
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- 2011** Several Reforestation Projects performed, totaling 50 hectares.
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- 2010** Environmental study for feasibility of creation Itaberaba Park. Field Assistant for studies of wildlife (mammals and reptiles).

- 2010** Environmental study for feasibility of creation Itapetinga Park. Field Assistant for studies of wildlife (birds)
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- 2009** Several Reforestation Projects performed, totaling 250 hectares.
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- 2008** Floristic Survey on Parque da Felicidade, Sao Paulo, Brazil
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- 2008** Environmental Impact Assessment of new Condominiums.
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- 2008** River with Life Project. Water Quality Analyses and aquatic Wildlife Survey
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- 2007** Farm Timbalaia Reforestation, 10 hectares with native plants