

RESUME

PERSONAL DATA	
Name:	NILKA LINETH TORRES STANZIOLA
Birth date:	October 23, 1961
Birth place:	Panamá, Republic of Panamá
Marital Status:	Single
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EDUCATION:	
1989	University of Panama. Faculty of Natural Sciences, Exact and Technology. Title: "Graduate of Biology, specialty: Botany's".
1989	University of Panama. Faculty of Education. Title: "High school teacher, specialty: Biology".
1991	Interamerican University of distance education of Panama UNIEPA. Postgraduate Title: "Specialty on Planning and administration of superior education".
1991	University of Panama, Vice rectory of postgraduate and research. Title: "Postgraduate intensive Course on Biotechnology".
1992	University of Panama, . Faculty of Education. Postgraduate Title: "Superior education specialist".
1992	University of Panama, Vice rectory of postgraduate and research. Title: "Intensive Postgraduate Course on Physiology and Ecology of Micro-organisms".
1992	University of Panama, Vice rectory of postgraduate and research. Title: "Postgraduate Course on Computer-aided Taxonomic Tools".
2000	University of Panama, Vice rectory of postgraduate and research. Title: "Master of Science on Environmental Sciences, Specialty on Environment Management".
2004	University of Panama. Faculty of Natural Sciences, Exact and Technology. Title: "Diploma on Environmental Diagnosis and clean-production chances".
INTERNATIONAL EDUCATION:	
1998	Brazilian Enterprise of Agriculture Inquiry (EMBRAPA). National Center of Genetic Resources (CENARGEN), Sponsored by the Organization de Estates Americans (OEA), Brasilia, Brazil Title: "Postgraduate level Seminar on Upgrade investigations of vegetable genetic resources conservation".
2004	National Institute of Industrial scientific and technologic advances of Japan (AIST). Sponsored by the Japan International Cooperation Agency (JICA) – Environmental Research, Biotechnology and Molecular Biology and Human Stress Center, Tsukuba, Ibaraki Prefecture, Japan. Title: "Postgraduate Course on Environmental Technology Research".
RESEARCHES:	
1986	Tropical Research Smithsonian Institute, Research Assistant at the Barro Colorado Island. Title: "Ecology y Germination of seed l the seed of the tree <i>Monocarpic Tachigalia versicolor</i> ". Chief Researchers: Dr. Carol Auspuger and Dr. Kaouru Kitajima, Illinois University
1989	University of Panama. Department of Technology, Natural and Exact Sciences. Graduate Thesis: "Systematic and Ecological Study of the Vascular Epiphytic in the Cerro Jefe, Province of Panama".
1999	Universidad de Panamá. Instituto de Ciencias Ambientales y Biodiversidad (ICAB). Title: "Wealth of Species and Structure of the Vegetation in a Parcel of one Hectare, Casa Vieja, National Park Darién" Cód. VIP:096-2000.
1999	University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Title: "Floral description of Rancho Frío Mountainous area of Pirre, National Park Darién" Code. VIP:097-2000.
1999	University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Title: "Use of the Vegetal Species by Neighboring Local Communities to the National Park Darién" Code. VIP:098-2000.
2000	University of Panama. Department of Technology, Natural and exact Sciences. Master of Science Thesis: "Evaluation of the impacts in the program of reforestation of the Authority of the Region Interoceanic A.R.I, in the River Basin of the Panama Canal" Code. VIP:01
2004	University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Japan International Cooperation Agency (JICA). Title: "Evaluation of the Biodiversity of Forest Species in the Forest Reserve the Montuso, District of the Mines, Province of Herrera" Code. VIP: 01-00-00-17-2001
2007	University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Japan International Cooperation Agency (JICA). Azuero Regional University Center (CRUA). Title: "Plants of Medicinal Use of the Forest Reserve the Montuso, Province of Herrera" Code. VIP: 14-04-01-2006-08
2007	University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Japan International Cooperation Agency (JICA). Azuero Regional University Center (CRUA). Title: "Environmental Effect of Ozone On the Panamanian Species of Rice (<i>Oryza sativa</i> CB. PANAMA 1048, PANAMA 1537, PANAMA 4721, PANAMA 3621" Code. VIP: 14-04-08-00-205-09
MONOGRAPHYS:	
1998-1999	University of Panama. Faculty of Natural Sciences, Exact and Technology. Simón Bolívar Library at the University of Panama 1. "The Tree of the Knowledge and the Art: A Relation between Plants and a Fungus"

2. "The Environmental Management in Panama: Legal incentives and Norms"
3. "Index's of Vegetal Biodiversity"
4. "Aspects of the Flora of the Panamanian Mangrove swamp"
5. "Memories of the Seminary Factory: Curriculum of the School of Biology"

PUBLICATIONS:

- 2004 Garibaldi, C., Aguilar, S., Arcia, D., Torres, N., 2004. *The Arboreal Vegetation in Fragments of Forests of the Forest Reserve the El Montuoso*. University of Panama. Biodiversity and Environmental Sciences Institute (ICAB). Japan International Cooperation Agency (JICA). Pag: 39-70.
- 2006 Chó, K., Torres, N., et. al. 2006. *Protein Extraction/Solubilization Protocol for Monocot and Dicot Plant Gel- Based Proteomics* Journal Plant Biology. 49(6):413-420.
- 2006 Torres, N., Garibaldi, C., Arcia, D., 2006. *Main Uses of the Species of Plants of the Forests of the Forest Reserve the Mountainous one, Province of Herrera, Panama*" International Forestall Symposium, Pinar del Río University, Cuba. Abstracts Book.
- 2007 Torres, N., Chó, K., et. al. 2007. *Gel-based Proteomics Reveals Potential Novel Protein Markers of Ozone Stress in Leaves of Cultivated Bean and Maize Species of Panama* Journal Electrophoresis (28):1-13

SEMINAR , CONGRESS AND SIMPOSIUMS:

- 1986 IV Latin American Congress of Botany, Latin American Network of Botany, Medellin Colombia
- 1992 Seminar-workshop: "*Environmental Biotechnology of Superficial and Underground Water Microorganisms*". University of Panama. Faculty of Natural Sciences, Exact and Technology Microbiology and Parasitological Department.
1994. Seminar-workshop: "*Biology of the Fungi*". Universidad de Panamá. University of Panama. Faculty of Natural Sciences, Exact and Technology. Botanic Department.
- 1994 Seminar-workshop: "*Aspects of the Gaseous Interchange Related to the Photosynthesis of Plants of Tropical Forests*". University of Panama. Faculty of Natural Sciences, Exact and Technology. Botanic Department.
- 1994 Seminar-workshop: "New Biomolecular Techniques". University of Panama. Faculty of Natural Sciences, Exact and Technology Department of Microbiology and Parasitology and Department of Genetics.
- 1995 Seminar-workshop: "*Formulation and Evaluation of the Projects of Research*". University of Panama. Vice rectorry of postgraduate and research. Pharmacy Department.
- 1996 Seminar-workshop: "*Environmental Education: Deterioration and Preservation*". University of Panama. Biodiversity and Environmental Sciences Institute (ICAB).
- 1996 Seminar-workshop: "*The Indicating Bryophytes of Biodiversity*" Sponsored by: The European Community, Smithsonian Tropical Institute and University of Panama.
- 1998 Symposium: "*II Symposium of Genetic Resources for Latin America and the Caribbean*" Brazilian Enterprise of Agriculture Inquiry (EMBRAPA), Brasilia, Brasil.
- 1999 Seminar-workshop: "*Fungi Kingdom: Basidiomycetes y Polyporales*" University of Panama. Faculty of Natural Sciences, Exact and Technology. Botanic Department.
- 2000 Seminar-workshop: "*VIII Course the International Design and Analysis of Projects for Handling of the Biological Diversity*" Sponsored by: Center for Conservation Biology Standford University U.S.A. and The University of Panama, Biodiversity and Environmental Sciences Institute (ICAB).
- 2001 Seminar-workshop: "*Technical of Biotechnology in Plants*" University of Panama. Faculty of Natural Sciences, Exact and Technology. Department of Genetics and Molecular Biology.
- 2005 Seminar-workshop: "*Waste waters and their Impact in the Atmosphere*" University of Panama, Regional Azuero University Center (CRUA), Faculty Of Natural Sciences Exact and Technology-(CRUA).
- 2007 Seminar-workshop: "*Cleaner Production*" University of Panama, Regional Azuero University Center (CRUA), Faculty Of Natural Sciences Exact and Technology-(CRUA).

CONFERENCES:

- 1993 I National Congress of Botanic at the University of Panama. "*Systematic and Ecological Study of the Vascular Ephytas in the Cerro Jefe, Province of Panama*". Faculty of Natural Sciences, Exact and Technology
- 1994 Seminar-workshop: "*Select Subjects of Ecology: Conservation of the Biodiversity*". Education Ministry.
- 1998 Geography Week: "*Marine Flora of Panama*" University of Panama, Faculty of Humanities, School of Geography.
- 1999 XVII Scientific National Congress: "*The Tree of the Knowledge and the Art a Relation Plants Fungus*" University of Panama. Vice rectorry of postgraduate and research.
- 1999 Seminar-workshop: Measured for the Conservation of the Biodiversity: Allied seaweed, Bryophytes Ferns, Plants, Angiosperms and Gymnosperms, Species of Study of the Flora in the Field, Plants that Are in Danger of Extinct". Education Ministry.
- 1999 XVII Scientific National Congress: "Preliminary study on the Use of the Vegetal Species on the part of the Neighboring Local Communities to the National Park Darién". *University of Panama*. Vice rectorry of postgraduate and research.
- 1999 IV Mesoamerican Society Congress for Biology and Preservation: "*Evaluation of Environmental impact of the Projects of Reforestation on the Flora in the River basin of the Channel*"; "*Vegetal Species of economic and cultural interest of the National Park Darién and neighboring Communities*
- 2002 XX Scientific National Congress: "*Comparative Study of Vegetal Species in the Sherman Fort Area of San Lorenzo*" *University of Panama*. Vice rectorry of postgraduate and research.

2005	I Azuero Region Scientific Congress: <i>“Evaluation of the environmental effects of heavy metals (Hg, Cu, CD) in rice (Oryza sativa L.)”; “Environmental Evaluation of the effects of Ozone in Panamanian maize species (Zea mays CB. Guararé) and kidney bean (Phaseolus vulgaris L. CB. IDIAP R-3)”</i> University of Panama, Azuero Regional University Center.
2006	Science Week: <i>“Use of the medicinal plants in Herrera”</i> . University of Panama, Azuero Regional University Center. Department of Technology, Natural and exact Sciences (CRUA). CRUA Biology School.
2006	XXIII University of Panama Scientific National Congress: <i>“Environmental Effect of ozone on the Panamanian species of rice (Oryza sativa CB. Medicinal Panama)”</i> and <i>“Plants of El Montuoso, Province of Herrera”</i> . (Symposium of the activities for PROBIO-UP-JICA Project). University of Panama, Azuero Regional University Center.
2006	Forestral International Symposium: <i>“Main Uses of the Species of Plants of the Forests of the Forest Reserve El Montuoso”</i> . Pinar del Río University, Cuba.
2007	II Azuero Region Scientific Congress: <i>“Main Uses of Plants in the Forest Reserve El Montuoso, Province of Herrera”; “Plants of Medicinal Use of the Forest Reserve El Montuoso”</i> . University of Panama, Azuero Regional University Center.
2008	Seminar-workshop: <i>“Uses of the medicinal plants”</i> Organizer and Coordinator, Dates:18 to 22, February. University of Panama, Azuero Regional University Center.
UNIVERSITY OF PANAMA COMMITTEE MEMBER	
2003	President of the Permanent Committee of the Technology, Natural and Exact Sciences Department.
2005	Member of the <i>“Facilitators of the Curricular Executive Committee”</i> , Azuero Regional University Center..
2005	Coordinator Committee of the I Azuero Scientific Congress. Azuero Regional University Center. President of the Scientific Committee.
2006	Committee President of: <i>“Data bank of the Faculty of Natural Sciences, Exact and Technology-CRUA”</i> .
2007	Organizer Committee President of the I Azuero Scientific Congress. Azuero Regional University Center.
WORK EXPERIENCE:	
1985 - 1986	Smithsonian Tropical Research Institute. Research Assistant. Barro Island, Colorado.
1986 - 1987	University of Panama. Assistant. Botanic Department. Herbarium.
1989 - 1990	Pan-American Institute. Professor. Biology and Chemistry Laboratory.
1991	Panama Commercial Institute, Education Ministry. Biology Professor.
1990 - 2002	University of Panama. Assistant Professor of the Botanic Department. Biology School. Department of Technology, Exact and Natural Sciences. University of Panama. Assistant Profesor, IV C Category.
2002-2003	Coordinator of the Natural and Environmental Resources specialization. Vice rector of postgraduate and research.
2002	Coordinator of the Environmental Impact Assessments Diploma, Environment Permanent Committee, Department of Technology, Exact and Natural Sciences.
2004-2011	Regular Professor, Biology and Ecology Faculty of Natural Exact and Technology University of Panama.
LANGUAGES:	
Mother Tongue: Spanish; Other Languages: English (Medium Level)	
PERSONAL REFERENCES:	
Professor: Raul Carranza (507)523-6216. Director. Center of Studies Biotic Resources.	
Professor: Anibal Taymes (507) 523-6211 Director. Department of Environmental Sciences .	