

Alma R. Cortés Selva

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EDUCATION

- **Ph.D. in Agricultural Economics**, Purdue University, West Lafayette, U.S. 2016-2021
- **Master's in Economics**, University of Arkansas, Fayetteville, U.S. 2015-2016
- **International Masters in Taxation and Public Administration**, IEF/AEAT, Spain 2010-2012
- **Master's in Economics**, University of Tsukuba, Japan 2007-2009
- **B.Sc. in Business Administration and Public Accounting**, John Brown University, U.S 2001-2005

WORK EXPERIENCE

- **Graduate Research Assistant, Purdue University** 2016-2021
 - Instructor for the Annual Short Course In Global Trade Analysis
 - Teach officials of the World Bank, IMF, ITC about Computable General Equilibrium Model
 - Work for the Orinoquía Initiative (Colombia-Purdue Partnership)
 - Identifying new technologies in the agricultural systems of the Piedmonte, Vichada region
 - Work and implement the new technologies in a GAMS model using information from the Orinoquía region
 - Production Editor for Journal of Global Economic Analysis (JGEA)
 - Responsible for the process of the bi-annual publication of the JGEA
- **Senior Economist, Ministry of Finance of Nicaragua** 2009-2015
 - Perform economic, financial and fiscal studies
 - Prepare economic indicators to measure fiscal impacts of several economic and fiscal policies
 - Elaborate the Operating Plan and Annual Budget for the Office for the approval of financing agencies like the United Nations, Inter-American Development Bank and Swiss Agency for Development and Cooperation
 - Create and collect models and economic data that serve for the formulation of the multi-annual budget, general budget and cash flows
 - Perform technical assistance and serve as counterpart for the government in evaluations performed by international agencies e.g. PEFA evaluation, IMF technical assistance, etc.
- **Financial and Administrative Officer Redes CA4, Federacion Red NicaSalud Nicaragua 2005-2006**
 - Manage and supervise the financing and accounting of the Project Redes CA -4 financed by the Foundation Bill and Melinda Gates
 - Recruit managers and financial personnel for other countries and oversee financial personnel for other offices
 - Review of new proposals, especially in financing area

Work in Progress

- Integrating Top-down and Bottom-up Approaches: a CGE Energy Model for a Developing Country (Alma Cortes Selva and Dominique van der Mensbrugge)

- Local Effects of Wind Power Generation on Rural Economic Outcomes (Alma Cortes Selva and Russell Hillberry)
- Nicaragua's Climate Mitigation Policy: Sectoral and Inter-Household Effects (Maksym Chepeliev, Alma Cortes Selva and Dominique van der Mensbrugge).
- Mapping Ecosystems of Decision Making for Power Generation Capacity in Indiana (Liz Wachs and Alma Cortes Selva).

SELECTED PUBLICATIONS**

- Reference Framework for the Evaluation of the Financial Administration (Marco de Referencia para la Evaluación de la Administración Financiera -2010 by Alma Cortes Selva)
- Analytical Framework for the Nicaraguan Concertation Tax Law (Marco Analítico de la Ley de Concertación Tributaria -2010 by Alma Cortes Selva)
- Improving the Effectiveness and Efficiency of the Public Expenditure: The Case of Health and Education (Mejorando la Efectividad y Eficiencia del Gasto Publico para la Reducción de la Pobreza: El Caso de Salud y Educación -2011 by Alma Cortes Selva)
- Allocation and Redistribution of the General Budget in Nicaragua (Priorización y Asignación del Gasto en Nicaragua (2012) (Alma Cortes Selva)
- An in-depth Analysis of the Nicaraguan Tax Expenditure 2010-2013 (Gasto Tributario en Nicaragua 2013 by Alma Cortes Selva)

**Publications are accessible on a restricted basis. Access available upon request to the Ministry of Finance of Nicaragua.

TECHNICAL SKILLS

- **Computer Programs:** Word, Excel, Access, Visual Basic, PowerPoint, QuickBooks, Oracle, Publisher, SQL, Peachtree, Stata, R, Eviews, SPSS, GAMS, GEMPACK, Python.
- **Languages:** Spanish (Native), English (Advanced), Japanese (Basic)

SELECTED AWARDS

- Japanese Government (Monbukagakusho) Scholarship 2006
- Joint Japan/World Bank Graduate Scholarship Program 2007-2009
- JBU Summa Cum Laude 2005
- Walton International Scholarship 2001-2005
- Highest GPA of the Business Division 2005
- Professional Grant by PSG Purdue 2017

REFERENCES

Dr. Dominique van der Mensbrugge- GTAP Director and Research Professor Purdue University

vandermd@purdue.edu

Dr. Joe Walenciak- Dean Business Development and Strategic Partnerships

jwalenci@jbu.edu

Dr. Roman Keeney- Associate Professor Purdue University

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Sr. Ovidio Reyes – President of the Central Bank of Nicaragua

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