

CURRICULUM VITAE*

NAME : Roberto F. Rañola, Jr.

SEX : Male

DATE OF BIRTH : August 29, 1952

PLACE OF BIRTH : Pasay City, Metro Manila, Philippines

NATIONALITY : Filipino

LEGAL STATUS : Married

HIGHEST EDUCATIONAL ATTAINMENT : Ph. D. in Agricultural Economics

CURRENT POSITIONS : ***Adjunct Professor***, Department of Ag. and Applied E Economics, CEM, U.P. Los Baños

National Chairman, Board of Trustees, Philippine Association of Agriculturists, 2014 to date.

Member, Scientific and Technical Review Panel (STRP) (Socioeconomic, Ethical and Cultural Expert), February 1, 2017 to date

Member, Regional Advisory Committee, Future Earth Asia, Japan, 2015 to date

OFFICE ADDRESSES : **Department of Agricultural Economics**
College of Economics and Management
U. P. at Los Baños 4031
College, Laguna 4031
Philippines
Tel. Nos: Cell Phone- +63-916-102 7533/
+63-923-910-1525
E-mail - bert1866@gmail.com
rdranola@up.edu.ph

ACADEMIC

* Updated 25 May 2020

BACKGROUND:

Ph. D. in Agricultural Economics
University of Minnesota, St. Paul Campus
Minnesota, U.S.A.
Received degree: July 31, 1984
Date of admission: Sept., 1979

Masters in Agricultural Development Economics
Australian National University, Canberra, Australia
Received degree: April 21, 1978
Date of admission: Feb. 1976

Bachelor of Science in Agricultural Business
University of the Philippines Los Baños (UPLB),
Los Baños, Laguna, Philippines
Received degree: May 25, 1973
Date of admission: July, 1968

Other**TRAININGS:**

Rice Production Course, International Rice Research Institute (IRRI), 1983

Trainer's Training on Farming Systems Socio-Economic Research, International Rice Research Institute (IRRI), May 5- June 27, 1986

Course on Agricultural Project Analysis Using Micro-Computers, SEARCA-EDI (World Bank), March 9-April 10, 1987

Workshop on Participatory Training Methodologies for ICRET (International Course for Rural Extension Trainers) Training held at the Continuing Education Center (CEC), U.P. at Los Baños, College, Laguna, 22-26 October, 1990. Funded by the International Training In Rural Extension Project (ITREP)

Regional Training Course on Environmental and Resource Economics, SEARCA, Los Baños, Laguna, 1 June to 3 July, 1998. Sponsored by the Economy and Environment Program for Southeast Asia (EEPSEA), Economic Development Institute (EDI) and the SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEARCA)

Strategic Environmental Assessment Module, Regional Training Course on Resource and Environmental Economics, Los Baños, Laguna. 5 - 8 July, 1998. Sponsored by the Economy and Environment Program for Southeast Asia (EEPSEA), Economic Development Institute (EDI) and the SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEARCA)

Other Qualifications: EIS PREPARER (ENVIRONMENTAL PROFESSIONAL), Certificate No. B2RFR0047, granted February 3, 1998.
Licensed Professional Agriculturist, Registration # 0005104, date- 8/03/06

FIELDS OF INTEREST:

Resource & Environmental Economics

Farming Systems and Soil Conservation
 Project Analysis (Feasibility Study Preparation)
 Agricultural Development

SCHOLARSHIPS/

HONORS/Awards: Entrance Scholar, College Scholar, Undergraduate Fellow, U.P. College of Agriculture
 Colombo Plan Fellow for MS studies at the Australian National University
 KSU-IAPMP Scholarship Awardee for PhD studies at the University of Minnesota
 Research Fellow at the International Rice Research Institute (IRRI), 1982-83
 SEARCA Professorial Chair in Agricultural Economics, 1992-93
Excellence Award from the Philippine Federation of Professional Associations for 2007
UPLB Centennial Professorial Chair, Jan. to Dec., 2010 and June, 2011 to June, 2012 .
CEM Outstanding Alumni Award for 2011, College of Economics and Management, UPLB

MEMBERSHIP

IN ORGANIZATIONS:

MEMBER, Technical Advisory Committee, Future Earth in Asia, 2016 to date.

Board of Trustees, Young Men's Christian Association of Los Baños (YMCA), 1998 to 2013

Member, Editorial Board of the Philippine Journal of Veterinary and Animal Sciences (PJVAS), Jan, 2009 to Jan. 2011

Chairman, Technical Working Group for the Community-based Participatory Action Research Projects (CPAR), February 14, 2012, Projects, Special Order, # 33, DA-BAR, DA.

President (Philippine Chapter), International Society for Southeast Asian Agricultural Sciences. 2011 to 2012

Vice-President (Philippine Chapter), International Society for Southeast Asian Agricultural Sciences. 2004 to 2011

President, Philippine Association of Agriculturists, Inc. The Accredited Professional Organization (APO) for Agriculture, March 2005 to date;
Board Member, September 2004 to 2011

Chair, Nomination and Awards Committee, Philippine Association of Agriculturists, January 2017-December, 2018.

Board of Trustees, Council for Built and Natural Environments (CBNE), the Federation of Accredited Professional Organizations, 2006-2011

Member, Board of Trustees Philippine Chapter, International Society for Southeast Asian Agricultural Sciences (ISSAAS), January 2000 to December, 2003.

President (1996-99), **Board Member** (1990-91, 1999-2001), Philippine

Agricultural Economics and Development Association, Inc. (PAEDA)
President, University of Minnesota Alumni Association of the Philippines. 1997
First Vice-President, Young Men's Christian Association of Los Baños, 2000 and currently Secretary to the Board. (2004)
Member, East-West Center Alumni Association (EWCA); Association of Southeast Asian Economists; IRRI Alumni Association; University of Minnesota Alumni Association;
President, *Kiwanis Club of UPLB*, 1999-2000-02-16
Board Member, *Philippine Agricultural Economics and Development Association*, 1999 to 2002.
Board Member, *Philippine Association of Environmental and Natural Resources Economists*, 1998 to 2001

LANGUAGES AND DEGREE OF PROFICIENCY:

Pilipino - good in speaking, reading and writing
 English - excellent in speaking, reading and writing

COUNTRIES OF WORK EXPERIENCE:

Papua New Guinea, China, Thailand, Malaysia, Indonesia, Philippines, Vietnam

PREVIOUS POSITIONS HELD:

1. **Professor 12 (retired)**, Department of Agricultural and Applied E Economics, CEM, U.P. Los Baños.
2. **Vice-Chancellor for Administration**, University of the Philippines, Los Baños, Nov. 2005 to October, 2011.
3. **Board of Trustees: University of the Philippines Los Banos Foundation, Inc.** October, 2005 to October, 2011
4. **Chairman, Committee on Investments of UPLB and UPLBFI**, Nov. 2005 to October, 2011
5. **Member, U.P. Union-Management Negotiating Panel**, 2009-2011
6. **Vice President, Madecor Environment Management Systems, Inc.** 2002 to 2004.
7. **Board Secretary, Madecor Environment Management Systems, Inc.** 1997 to 2001
8. **Instructor**, Agricultural Economics, College of Economics and Management, University of the Philippines at Los Baños, July 1, 1973 to Sept 9, 1984.
9. **Assistant Professor**, Agricultural Economics, College of Economics and Management, University of the Philippines at Los Baños, Sept. 10, 1984 to May 30, 1993.
10. **Associate Professor**, Agricultural Economics, College of Economics and Management, University of the Philippines at Los Baños, June 1, 1993 to June 30, 2000.
11. **Professor**, Agricultural Economics, College of Economics and Management, University of the Philippines at Los Baños, July 1, 2000 to date.
12. **Affiliate Professor**, Institute of Environmental Studies and Management, College of Arts and Sciences, UPLB.
13. **Visiting Professor**, Research Institute for Humanity and Nature, Motoyama, Kamigamo, Kita-ku, Kyoto, Japan. : April 1 to June 8; Oct. 12- Nov. 4, 2013
14. **Research Program Management Core Member**, "Managing Environmental Risks for

Sustainable Food and Health Security in Watershed Planning in Southeast Asia”, in collaboration with U.P. Manila, Laguna Lake Development Authority and Yokohama National University with funding from Research Institute for Humanity and Nature (RIHN), Japan, July, 2010 to March, 2013.

OTHER POSITIONS HELD:

1. Member, Panel of Judges for 28th DA-BAR National Research Symposium, Socio-Economics Team, (SO no. 93, 2016), September 14, 2016.
2. Chair, Organizing Committee, Yaman ng Lawa Community Forum 2013, Nov. 7 & 8, 2013, BP International Hotel, BP Jamboree, Los Banos, Laguna
3. Member, 2012 to 2015, Gawad Saka Search for Outstanding Agricultural Researcher/Scientist, Department of Agriculture, Philippines
4. Chair, Technical Working Group on CPAR, 2012 Bureau of Agricultural Research, Department of Agriculture.
5. *Lecturer*, Leadership Program in Sustainable Living with Environmental Risk (SLER), Yokohama National University, Japan, February 21, 2011.
6. *Team Leader*, Macroeconomics Commodity Team, PCARRD, 1998
7. *President*, Philippine Agricultural Economics and Development Association, Inc., 1996 to 1998
8. *Chairman*, Department of Ag. Economics, CEM, U.P. Los Baños, 1995- 1997.
9. Project Development Associate, Office of the Vice-Chancellor for Planning and Development, U.P. Los Baños, July, 1994 to Dec. 1996
10. Associate Dean, College of Economics and Management, U.P. Los Baños, April, 1993 to June, 1994.
11. Assistant to the Dean for Research and Extension, College of Economics and Management, U.P. Los Baños, College, Laguna, August, 1991 to March, 1993.
12. Training Director, SEARCA " Training Course on Rural Project Analysis for Vietnam", Vietnamese and Cambodian Participants , June 3 - July 6, 1996.
13. Course Director, SEARCA "National Training on Project Analysis", Participated by DENR staff members, Sept. 20 - Oct. 10. 1993.
14. Co-Director, Agricultural Marketing Course held at SEARCA. Sponsored by the Economic Development Institute of the World Bank and the Southeast Asian Regional Center for Graduate Study and Research in Agriculture, April 21 to May 16, 1987.
15. Module Coordinator and Professorial Lecturer, Master of Science in Environmental Studies (MSES), 1985 to 1987.
16. Chairman, Research Committee, Department of Agricultural Economics, University of the Philippines at Los Baños, June, 1985 to May, 1987.
17. Coordinator, Research Committee, College of Economics and Management, University of the Philippines at Los Baños, 1986 to 1987.
18. Member, National Research Commodity Team for Rice, Wheat and other Cereal Grains, PCARRD (1986); Root Crops (1990-91); Farming Systems (1987-92).
19. Member, Technical Committee which prepared and published: (a) the State of the Art/Abstract Bibliography on "Water Management for Crop Diversification in Rice-Based Cropping Systems in the Philippines". (1988);"Philippine Recommends for Irrigation Management for Diversifying Wetland Areas"(1990). Funded by the International Irrigation Management Institute (IIMI).
20. Member, Livestock Research and Development Committee (1987); and Plantation Crops Research and Development Committee (1987,1990) of the College of Agriculture, UPLB.
21. Member, U.P. Technical Panel to review researches being conducted in U.P., (1988 to

- 1990)
22. Officer-in-Charge, Office of the Director of Research, UPLB,(1988 to 1990).
 23. Assistant Coordinator, Training Program on the Use of Microcomputers for Survey Analysis, Processing and Report Generation, Aug.-Oct., 1989. Held at the Dept. of Ag. Economics, CEM, UPLB.
 24. Coordinator, Second National Workshop on Livestock Planning and Economics (Phase I-FS) held at the Dept. of Ag. Economics, College of Economics and Management, UPLB. College, Laguna.
 25. Deputy Program Coordinator, UPLB-DOST Research Projects. Feb. 1, 1989 - March 31, 1989
 26. Coordinator, Multi-Sectoral Conference on Land Use, A Joint Project of the National Land Use Committee and the College of Economics and Management, U.P. Los Baños held at the Bureau of Soils and Water Management, Quezon City, 31 August 1992.
 27. **Technical Evaluator** for Bureau of Agricultural Research (BAR-DA), Philippines of BAR-DA funded research projects. Starting April, 2000.
 28. **Member** of National Experts Team of the following Commodity Networks of the Bureau of Agricultural Research of the Department of Agriculture, Philippines: National Fibercrops Network, Rootcrops Research Development and Extension Network and Soil and Water Resources Research/Development Extension (SWRRD) Network. Responsibilities are to provide technical assistance to the national and regional research, development and extension network in the implementation of programs/projects. Starting May, 2000.
 29. **Technical Adviser** (*Agricultural Economics*), Bureau of Agricultural Research, Department of Agriculture, January 2005 to 2007
 30. **Member, Regional Advisory Committee, Future Earth in Asia: Research for Global Sustainability. 2015 to 2017.** Inaugural Meeting, Nov. 20, 2015, Research Institute for Humanity and Nature, Kyoto, Japan.
 31. **Member, TBI Diagnosis and Design Team** (TBI DDT) for the project “Assessment of the Feasibility and Design of a Technology Business Incubator Program (TBIP)”. Implemented by World Fish – Philippine Country Office, funded and coordinated by DA-Bureau of Agricultural Research. January to June, 2016.

Books

1. **Rañola, R.F. Jr.**, Demafelis, R.B., and Movillon, J.L. 2015. The Philippine Biofuels Industry: Defining the Strategic Directions. DA-BAR, Diliman, Quezon City, and UPLB, College, Laguna. 199 pages. ISBN. 978-971-0347-41-4.
2. Roberto F. Rañola Jr., Fe M. Rañola, Maria Francesca O. Tan, Ma. Cynthia S. Casin (March 2014). Emerging Socio-Economic and Environmental Issues Affecting Food Security: A Case Study of Silang-Santa Rosa Subwatershed. In:Kaneko N et al.(eds) Sustainable Living with Environmental Risks, Springer, (Chap. 11,p 123-135). ISBN: 978-4-431-54803-4 (Print) 978-4-431-54804-1 (Online: <http://link.springer.com/book/10.1007%2F978-4-431-54804-1>)
3. Walfredo Rola, **Roberto F. Rañola Jr.**, Damasa Macandog and Agnes Rola. 2014. Technological and Institutional Challenges to Food Security in the Philippines (Chapter 3), in Udaya Sekhar Nagothu, (ed.) Food Security and Development Country Case Studies. See <http://www.routledge.com/books/details/9781138817012/>

Refereed Publications:

4. Tingson, Keshia N., Macrina T. Zafaralla, Damasa M. Macandog, and Roberto F. Rañola Jr. "Lead Biomagnification in a Food Web of the Open Waters Along Sta. Rosa Subwatershed, Philippines." *Journal of Environmental Science and Management* 21, no. 1 (2018).
5. Tran Thi Thu Trang, Roberto F. Rañola, Nguyen Van Song (2018). Households' Willingness-to-pay for Wastewater Treatment in Traditional Agro-food Processing Villages, Nhue-Day River Basin, Vietnam: Case Study in Hanoi City. *Journal of Environmental Protection*, Vol.9, No.10, September 2018. <https://doi.org/10.4236/jep.2018.910063>
6. Nguyen Dinh Tien, Roberto F. Rañola, Jr.. 2017. Factor Affecting Participation in the REDD+ Program in the Central Region of Vietnam. *Agricultural Research and Technology (Open Access Journal)*, Vol. 3, Issue 5, Feb. 2017 (DOI 10.9080/ARTOAJ 2017.03.555622. <https://juniperpublishers.com/artoaj/pdf/ARTOAJ.MS.ID.555622.pdf>
7. Nguyen Dinh Tien, Roberto F. Rañola, Jr. and Pham Thu Thuy. 2017. Potential Impact of the REDD+ Program on Poverty Reduction in Nghe An Province, Vietnam. *Forests* 2017, 8(10), 376; doi:10.3390/f8100376 (registering DOI). <http://www.mdpi.com/1999-4907/8/10/376/pdf>
8. **Rañola**, Roberto Jr., Michael Cuesta, Bam Razafindrabe and Ryohei Kada. Building Disaster Resilience to Address Household Food Security: The Case of Sta. Rosa-Silang Subwatershed, *Journal of Economics, Management & Agricultural Development*, Vol. 1, No 2:53-68 (December, 2015).
4. Piadozo, Ma. Eden S., **Roberto F. Rañola**, Jr., Ma. Joy Malabayabas, and Dominic M. Hamada. Operations and Profitability of Snail Dredging in Laguna, Rizal and Pasig City. *Journal of Economics, Management & Agricultural Development*, Vol. 1, No 2:69-82 (December, 2015).
5. Agustira, Muhammad Akmal, **Roberto F. Rañola**, Jr., Asa Jose U. Sajise and Leonardo M. Florece. Economic Impacts of Smallholder Oil Palm (*Elaeis guineensis* Jacq.). *Journal of Economics, Management & Agricultural Development*, Vol. 1, No 2:105 - 123 (December, 2015).
6. B.H.N. Razafindrabe, M.A. Cuesta, B. He, **R.F. Rañola Jr.**, K. Yaota, S. Inoue, S. Saito, T. Masuda, R.N. Concepcion, A. Santos-Borja & R. Kada (2015) Flood risk and resilience assessment for Santa Rosa-Silang subwatershed in the Laguna Lake region, Philippines, *Environmental Hazards*, 14:1, 16-35, DOI: 10.1080/17477891.2014.981497
7. Idago, Rodol and **Roberto F. Rañola, Jr.** Tramline Transport Facilities and their Effect on Productivity of Temperate Vegetable Farms in the Uplands of Benguet Province, Philippines. *J. ISSAAS* Vol. 18 No. 1: 147-159 (June, 2010).
8. Trinh Quang Thoai and **Roberto F. Rañola, Jr.** Willingness to Accept Payment in Forest Management of Upland Farmers in Northwest Mountainous Region of Vietnam, *Philippine Agricultural Scientist*, Vol. 94, No 1:46-53 (March, 2011).
9. Del Rosario, Edwin E., **Roberto Rañola Jr**, Rex B. Demafelis, Arnold R. Elepano and Butch G. Bataller. Feasibility of Producing Bioethanol from Cassava Feedstock in the Philippines. *PHIL. J. of Crop Sci.*, 35(3):9-21 (December, 2010).
10. Trinh Quang Thoai and **Roberto F. Rañola, Jr.** Decision making by upland farmers on forest management in the northwest mountainous region of Vietnam. *J. ISSAAS* Vol. 16 No. 1: 68-82 (June, 2010).
11. **Rañola, Roberto F., Jr.**, Rex B. Demafelis, Edwin del Rosario and Butch G. Bataller. Enhancing the Viability of Cassava Feedstock for Bioethanol in the Philippines. *J. ISSAAS* Vol. 15 No. 2: 147-158 (Dec., 2009).
12. Magcale-Macandog, Damasa B., Fe M. Rañola, **Roberto F. Rañola, Jr.**, Princess Alma B. Ani and Niño B. Vidal. Enhancing the food security of upland farming households through agroforestry in Claveria, Misamis Oriental, Philippines. *Agroforestry Systems*. Dec. 2009. DOI 10.1007/s10457-009-9267-1

13. Idago, Rodelio G. and **Roberto F. Rañola, Jr.** The Economics of Tramline Transport Facility in the Philippines. J. ISSAAS Vol. 15 No. 2: 56-69 (Dec., 2009).
14. Cuesta, Michael A. and **Roberto F. Rañola, Jr.** Adaptive Capacity of Rice Farmers to Rainfall Variability and Extremes in the Province of Camarines Sur, Philippines. Philippine Agricultural Scientist, Vol. 92, No 4:406-417 (Dec.,2009).
15. Demafelis, Rex, Jovita Jovillon, Rodrigo Badayos, Butch Bataller and **Roberto Ranola Jr.** Opportunities and Challenges of Interphasing the Bioethanol Program with the Philippine Sugarcane Industry. PHIL. J. of Crop Sci.,34(1):99-112 (April, 2009)
16. Cuesta, Michael A. and **Roberto F. Rañola, Jr.** Current Vulnerability of the Rice Production Sector to Rainfall Variability and Extremes in the Province of Camarines Sur. Philippines, J. ISSAAS Vol. 14, No 1:67-79 (2008).
17. **Rañola, Roberto F., Jr.**, Princess Alma B. Ani and Damasa B. Magcale-Macandog. Economic Potential of Establishing Fruit Bearing Perennials in Cropped Fields. J. ISSAAS Vol. 10 No. 2: 1-12 (2004).
18. **Rañola, Roberto F., Jr.**, Fe K. Mallion and Francisco F. Peñalba. Policy Considerations for the Development of the Smallhold Livestock Industry in the Philippines, J. ISSAAS Vol. 10 No. 2: 1-16 (2004)
19. Arboleda, C.R., **R.F. Rañola, Jr.**, OL Bondoc, A. Lambio, FFPenalba, NL Castro, MB Lanuza and AB Flores. Policy Studies on Animal Genetic Improvement and Production in the Philippines: I. Review of Significant Legislative Actions Since 1900. Philippine Journal of Veterinary and Animal Sciences. Vol 29 No. 1:1-15 (2003).
20. **Rañola, Roberto Jr. F.**, D. Magcale-Macandog, C.D. Predo, A.D. Calub, L.M. Florece and A.E. dela Cruz. Land Use Options for Smallholder Farms in Philippine Grasslands. Journal of Agricultural Economics and Development. Vol. XXVI Nos. 1 & 2, January-July, 1998. ISSN 0300-1717.
21. **Rañola, Roberto Jr. F.**, D. Magcale-Macandog, C.D. Predo, A.D. Calub, L.M. Florece and A.E. dela Cruz. Land Use Options for Smallholder Farms in Philippine Grasslands. Journal of Agricultural Economics and Development. Vol. XXVI Nos. 1 & 2, January-July, 1998. ISSN 0300-1717.
22. Predo, Canesio, Peter Grist, Ken Menz and **Roberto F. Rañola, Jr.** 1997. *Estimating the On-site Costs of Soil Erosion in the Philippines: The Replacement Cost Approach.* Grassland Society of the Philippines Journal 1(2):18-25.
23. **Rañola, Roberto Jr. F.**, Canesio Predo. 1997. *Estimating the On-site Costs of Soil Erosion in the Philippines: The Opportunity Cost Approach.* Grassland Society of the Philippines Journal 1(2):1-17.

Other Publications (non-refereed):

24. **Rañola, Roberto F. Jr.** Being Responsible in the Use of Our Natural Capital. CEM Technical Bulletin, Economics and Management Matters. Vol. 8. No.1, January 2015.
25. **Rañola, Roberto F. Jr.** Making the Right Policy Choices for Quality Environment. CEM Technical Bulletin, Economics and Management Matters Vol. 7, No.1, December, 2014
26. **Rañola, Roberto F. Jr.** Does Economic Growth Conflict with Environmental Health. CEM Technical Bulletin, Economics and Management Matters Vol. 6, NO. 2, November, 2014.
27. **Rañola, Roberto F. Jr.**, Fe M. Rañola, Ma. Cynthia S. Casin, Ma. Francesca O. Tan The Social and Economic Basis for Managing Environmental Risk for Sustainable Food and Health in Watershed Planning: The Case of Silang-Sta. Rosa Sub-Watershed Communities in Lake Laguna Region. LAKEHEAD. Managing Environmental Risks to Food and Health Security in Southeast Asian Watersheds. Research Institute for Humanity and Nature. Progress Report No.1FY2010-2011. ISBN 978-4-902325-68-3
28. **Rañola, Roberto .F. Jr.** 2011. How can UP be a model for transparency in governance. University of the Philippines Forum 12(2): 6-8, March-April, 2011.

29. Predo, Canesio, Peter Grist, Ken Menz and **Roberto F. Rañola, Jr.** 1997. *Estimating the On-site Costs of Soil Erosion in Hedgerow Systems: The Replacement Cost Approach*. Pp. 113-120 In: Menz, K.M., D.M. Macandog and I. Rusastra (eds.). *Improving Smallholder Farming Systems in Imperata Areas of Southeast Asia: Alternatives to Shifting Cultivation*. Australian Centre for International Agricultural Research, Canberra, Australia.
30. Predo, C.D., P. Grist, K.M. Menz and **R. F. Rañola, Jr.** 1997. *Estimating the On-site Costs of Soil Erosion in the Philippines: The Replacement Cost Approach*. CRES-SEARCA, Caser-Imperata Project Paper 1997/8. ACIAR, Canberra, Australia.
31. **Rañola, R.F. Jr.** and C.D. Predo. 1997. *Estimating the On-site Costs of Soil Erosion in the Philippines: The Opportunity Cost Approach*. CRES-SEARCA-Caser, Imperata Project Paper 1997/8. ACIAR, Canberra, Australia.
32. Hui-Shung Chang, Nenita de Castro, Ma. Luz Malabayabas, Clarita Dagaas, **Roberto Rañola** and Angel Lambio. "Duck Marketing in the Philippines: Issues and Opportunities" in *Animal Husbandry & Agricultural Journal*, March, 2006.
33. Fernandez, Nicanor C., **Roberto F. Rañola, Jr.** and Rodrigo B. Badayos. 1999. *Land Resources Management for Food Security: Policy Issues, Recommendations, and Action Plan* in Food Security in the Philippines. Edited by Liborio S. Cabanilla and Merlyne M. Paunlagui. Institute of Strategic Planning and Policy Studies (ISPPS) and U.P. Center for Integrative and Development Studies (UP-CIDS). ISBN 971 742 024 6
34. Fernandez, Nicanor C., **Roberto F. Rañola, Jr.** and Rodrigo B. Badayos. 1997 *Land Resources Management for Food Security: Policy Issues, Recommendations, and Action Plan* in Food Security in the Philippines. Working Paper NO. 97-10. Center for Policy and Development Studies, University of the Philippines Los Baños.
35. **Rañola, Roberto Jr. F.**, Canesio Predo, Peter Grist, Ken Menz. Two Approaches for Estimating the On-site Costs of Soil Erosion in the Philippines: The Opportunity Cost Approach and the Replacement Cost Approach. Imperata Project Paper 1997/8, ACIAR. ISSN 1324-5872/ISBN 0 86740 486 8.
36. Malayang, Ben S. III., **Roberto F. Rañola, Jr.**, Oscar B. Zamora, Antonio P. Contreras, Rodolfo E. Cuevas, Ma. Victoria O. Espaldon, Alexander G. Flor, Mariliza T. Ruscoe, Ila Virginia C. Ongkiko and Jesus C. Duma. 1996. GATT-WTO and the Philippine Environment: Policy Safeguards to Ensure an Environment-Friendly Competitiveness in World Trade. ERMP Reports 31, Institute of Environmental Science and Management of the University of the Philippines Los Baños and the School of Resource and Environmental Studies of Dalhousie University in Canada. ISSN 0117-3251:31
37. **Rañola, Roberto F. Jr** Institutional and Policy Considerations for Sustainable Agriculture, Policy Forum, Center for Policy and Development Studies, Volume 11, No.3, May, 1996.
38. **Rañola, Roberto F. Jr.** *Farming Systems Approach, FSRD Projects and the Role of Extensionists* in Farm Management Notes for Asia and the Far East, Regular Issue No. 18, July 1994. Issued by the Secretariat, FAO Regional Commission on Farm Management for Asia and the Far East, FAO Regional Office for Asia and Pacific (RAPA), Maliwan Mansion, Phra Atit Road, Bangkok, 10200, Thailand.
39. **Rañola, Roberto F. Jr.** 1994. FSR and Farmer-Extension Linkage. University of the Philippines and the international Agricultural Centre, Wageningen, The Netherlands, through the International Training in Rural Extension Project, UPLB. ISBN 971-547-050-5
40. **Rañola, Roberto F. Jr.** 1994. Identifying Recommendation Domains. Published by the University of the Philippines and the international Agricultural Centre, Wageningen, The Netherlands, through the International Training in Rural Extension Project, UPLB. ISBN 971-547-052-1
41. The Philippines Recommends for Reforestation, PCARRD Philippines Recommends Series No. 49-A, 1992.
42. **Rañola, Roberto Jr.** *Farming Systems Research Methodology and Action-Participatory*

- Research* in Philippine Council for Agriculture, Forestry and Natural Resources Research and Development. Economic and Social Science Research Methodologies in Agriculture, Los Baños, 1991. 277 p. – (Book Series No. 113). 1ISBN 971-20-0118-0.
43. **Rañola, Roberto Jr** *Analytical Tools Used in Adoption Studies*. in Philippine Council for Agriculture, Forestry and Natural Resources Research and Development. Economic and Social Science Research Methodologies in Agriculture, Los Baños, 1991. 277 p. – (Book Series No. 113). 1ISBN 971-20-0118-0.
 44. **Rañola, Roberto F. Jr**, Teresa H. Stuart, Leon O. Namuco, Dolly O. Enicola and Allan H, Montenegro. 1990, Technology Assessment for Coffee in Luzon, Philippines in A. R. Librero (ed.) Technology Assessment for Agriculture in the Philippines. Los Baños, Laguna, Philippines: Philippine Council for Agriculture, Forestry and Natural Resources Research and Development and the International Development Research Centre, 1990. 299 p. -(Book Ser. No. 92/1990).\
 45. **Rañola, Roberto F. Jr**, Teresa H. Stuart, Juanito B. Sangalang, Dolly O. Enicola and Allan H, Montenegro. 1990. Technology Assessment for Mango in Luzon, Philippines in A. R. Librero (ed.) Technology Assessment for Agriculture in the Philippines. Los Baños, Laguna, Philippines: Philippine Council for Agriculture, Forestry and Natural Resources Research and Development and the International Development Research Centre, 1990. 299 p. -(Book Ser. No. 92/1990) ISBN 971-20-0118-0\
 46. Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD); International Irrigation Management Institute (IIMI). State of the Art and Abstract Bibliography: Water Management for Crop Diversification in Irrigated Rice-Based Cropping Systems. Los Baños, Laguna: PCARRD, 1988. 91 P. – (Farm Resources and Systems SOA-AB Ser. No. 5/1988). Members of the Technical Writing Team – Rodolfo C. Undan, Diosdado A. Carandang, **Roberto F. Rañola, Jr.**, Soledad S. Mina, Salvador J. Salandanan and Amado R. Maglinao.\
 47. **Rañola, Roberto F. Jr.** *Market and Policy Considerations Relevant to On-Farm Animal Research*, in P. Amir and H. Knipscheer (eds.) *On-Farm Animal Research/Extension and its Economic Analysis*, 1987.

Proceedings:

1. **Rañola, Roberto F. Jr.** 2013. Environmental Risks and their Impacts on Food and Health Security in Laguna Lake Watersheds, Philippines. The 24th JASID Annual Conference, November 30, 2013, Osaka University Convention Center, Osaka, Japan.
2. **Rañola, Roberto F. Jr.**, Dalton Erick S. Baltazar and Fe M. Rañola (2012). Floods and Environmental Degradation: Their Effects on Food Security in the Philippines. International Symposium (RIHN Food Risk Project R-06) on Impacts of Increasing Flood Risk on Food and Health Security in Southeast Asia, March 1, 2012. Organized by the Inter-University Research Institute Corporation, National Institute for the Humanities, and Japan Research Institute for Humanity and Nature.
3. **Rañola, Roberto Jr.** and Fe M. **Rañola** (2011). Environmental Risks and their Impact on Food Security. A Holistic Approach in Establishing Food Security: Securing food Supplies to Meet the Future Demand of the Increasing Population: Programs and Abstracts. ISSAAS International Symposium and Congress 2011., Nov. 7-10, IPB International Convention Center, Bogor, Indonesia.
4. Kada, Ryohei, **Roberto F. Rañola, Jr.** and Jaime Z. Galvez-Tan (2011). "Impacts of Ecological Risks on Food and Health Security in Laguna Lake Watersheds", Environmental Conservation, Food Security and Health Risk Eradication, *Journal of Scientific Paper Abstracts*, 11th ISSAAS Philippine National Convention & International Forum, Oct. 25-26, 2011, Vol. 1, No.1, October 2011, ISSN 22439307.
5. **Rañola, Roberto Jr.**, Fe Rañola, Josefina T. Dizon, Damasa Macandog, Macrina Zafaralla, Dalton Erick Baltazar, Maria Francesca Tan, Ryohei Kada. Impact of Environmental Hazards and Risks on the Environment and Food Security: A Framework.

- A paper presented in the 2012 LakeHEAD Community Forum, held at the Development Academy of the Philippines, Tagaytay City, on September 27-28, 2012.
6. **Rañola, Roberto Jr. F.**, D. B. Macandog, N. Vidal and G. Toque (2007). Profitability of agroforestry systems in Claveria. In Harrison S., a. Bosch and J. Herboh (Eds.) Proceedings of IUFRO 3.08 conference: Improving triple bottom line returns from small scale forestry. June 17-21, 2007. Leyte, Philippines, pp. 329-334.
 7. **Rañola, Roberto Jr. F.** "Review of Multi-functionality Methodologies of Selected ASEAN Countries: A Recommended Approach to Serve as Common Analytical Framework to Link Land Degradation, Biodiversity and Climate Change", Proceedings of Internaional Multi-sectoral Joint Conference, ASEAN-JAPAN Project on Multi-functionality of Agriculture and the 3-UN Convention on Biodiversity, Climate Change and Land Degradation, Nov. 29, 2006.
 8. **Rañola, Roberto Jr. F.**, Princess Ani, Damasa Macandog, Arvin Vista and Fe Mallion, " Economic Assessment of Smallhold Agroforestry Alternatives inb Claveria, Misamis Oriental, Philippines", 1st World Congress of Agroforestry, June 27 - July 2, 2004.
 9. Canesio Predo, **Roberto Rañola Jr.** and Damasa Macandog. " Incorporating the Value of Reducing Soil Erosion in the Competitiveness of Maize-Hedgerow Intercropping Systems in the Philippine Uplands: A Policy Analysis Matrix.1st World Congress of Agroforestry, June 27 - July 2, 2004.
 10. DE CASTRO, NL, **R.F. RAÑOLA JR.**, AL LAMBIO, H CHANG, CT DAGAAS and ML MALABAYABAS. **Market prospects of duck egg and by-products.** In Proceedings of the PSAS 39th National and 20th Visayas Chapter Scientific Seminar and Annual Convention. 23-25 October 2002. Marriott Hotel, Cebu City pp 99-100.
 11. MALABAYABAS, ML, **R.F. RAÑOLA JR.**, A.L LAMBIO, H CHANG, CT DAGAAS and LL DE CASTRO. **Market issues of the duck industry.** In proceedings of the PSAS 39th National and 20th Visayas Chapter, Scientific Seminar and Annual Convention. 23-25 October 2002. Marriott Hotel, Cebu City pp 101-102.
 12. CECILIO ARBOLEDA, **R.F. RAÑOLA JR.**, ORVILLE BONDOC, AL LAMBIO, FRANCISCO PENALBA, NENITA DE CASTRO, MARCIA LANUZA AND ABIGAIL FLORES. Policy Studies on Animal Genetic Improvement and Production in the Philippines. In proceedings of the PSAS 39th National and 20th Visayas Chapter, Scientific Seminar and Annual Convention. 23-25 October 2002. Marriott Hotel, Cebu City pp 101-102.
 13. DAGAAS, CT, AL LAMBIO, **R.F. RAÑOLA JR.**, H CHANG, NL DE CASTRO and ML MALABAYABAS. **Comparative performance of different duck layer farm sizes in Central Luzon.** In proceedings of the PSAS 40th Scientific Seminar and Annual Convention. 23- 24 October 2003. The Heritage Hotel Manila p 78.
 14. DE CASTRO, NL, **R.F. RAÑOLA JR.**, AL LAMBIO, H CHANG, CT DAGAAS and ML MALABAYABAS. **Marketing practices of native chickens farmers in selected areas in the Philippines.** In Proceedings of the PSAS40th
 15. LAMBIO, AL, **R.F. RAÑOLA JR.**, H CHANG, CT DAGAAS, NL DE CASTRO and ML MALABAYABAS. **Technical constraints to native chicken production in selected areas in the Philippines.** In Proceedings of the PSAS 40th
 16. CT DAGAAS, AL LAMBIO, **R.F. RAÑOLA JR.**, T CABAGAY and MA LAGARDE. **Socio-economic analysis of duck production enterprises in the Philippines.** In Proceedings of the 7th Water Buffalo Congress and the 41st PSAS Scientific Annual Convention. 2- 23 October 2004. Makati Shangrila Hotel, Makati City, Philippines pp 35-37.
 17. **Rañola, Roberto Jr. F** Promotion of Blueprint Technologies in Salt-Affected Areas of the Philippines: Lessons Learned. International Congress and Symposium on Southeast Asian Agricultural Sciences. 6-8 November 2000, Bogor, Indonesia., ISBN:979-96467-0-7
 18. **Rañola, Roberto Jr. F.** Development of Crop-Animal Research Methodology for Lowland Rainfed Environment. Presented during the International Workshop on Crop-

- Animal Interactions, Khon-Kaen, Thailand, Sept. 27 -Oct. 1, 1993.
19. **Rañola, Roberto Jr. F** Farming Systems Approach, FSRD Projects and the Role of Extensionists. Proceedings of a National Workshop on Farming Systems Development Approach for Agricultural Extension Workers in the Philippines, ATI Training Center, Diliman, Quezon City, April 20-21, 1993.
 20. **Rañola, Roberto Jr. F**, A.D. Calub, S. Capalla and J. Caguimbay. Integrating Crop and Cattle Production in Leon, Iloilo, Philippines. Proceedings of Crop-Livestock Systems Research Workshop, Khon Kaen, Thailand., July 7-11, 1985.

Conference Papers and Presentations:

1. Baltazar, D., Fujii, S., Harada, H., Anh, P., Espino, M., **Rañola Jr., R.**, et al. (2015). Septage Management in the Philippines – Comparison of Urban and Rural Regions. Proceedings of the 24th Joint KAIST-KYOTO-NTU-NUS Symposium. Taipei: National Taiwan University.
2. **Rañola Roberto F., Jr., 2013. Key Issues in Environmental Risk Management in Laguna Lake Watershed, Philippines.** Paper presented in “Developing Leaders and Role of Universities: Challenges and Future Perspectives for Building a Sustainable Society, Dec. 3, 2013, Education and Culture Hall, Yokohama National University, Japan.. Organized by Leadership Development Program for Sustainable Living with Environmental Risks (SLER).
3. **Rañola Roberto F., Jr., Fe Rañola, Ma. Francesca Tan and Noriza Herrera.** Yaman ng Lawa Adaptive Co-Management of Laguna Lake Resources. Paper presented the RIHN-LakeHEAD Community Forum, 2012, held at the BP International-Makiling, Los Banos, Laguna
4. **Rañola Roberto F., Jr..** Yaman ng Lawa on Adaptive Community Waste Management for Selected Communities in Silang-Sta. Rosa Subwatershed. Paper presented in a Seminar at the Research Institute for Humanity and Nature (RIHN), Oct. 30, 2013.
5. **Rañola Roberto F., Jr.,** Ryohei Kada, Understanding Environmental Degradation, Food Security and Health Risks Beyond Disciplinary Boundaries in Sta. Rosa-Silang, Subwatershed. Paper presented during the RIHN 8th International Symposium on “Risk Societies, Edge Environments: Ecosystems and Livelihoods in the Balance” Oct. 23-25, RIHN, Kyoto, Japan.
6. **Rañola Roberto F., Jr., Paula Beatrice M. Macandog, Katsuya Tanaka.** Estimating Household Demand for Ecosystem Services from Agroforestry Systems in Laguna Lake Basin, Philippines. Presented during the 88th Western Economic Association International (WEAI) Annual Conference , Seattle, United States of America, June 30, 2013.
7. **Major Issues of Environmental Changes and Impacts on Food Security: The Case of the Laguna Lake Region, Philippines..** Paper presented at the 14th Spring Conference of the Society for International Development, June 8, 2013, Utsunomiya University, Tochigi, Japan.
8. **Rañola Roberto F., Jr., Major Issues of Environmental Changes and Impacts on Food Security: The Case of the Laguna Lake Region, Philippines..** Paper presented at the 14th Spring Conference of the Society for International Development, June 8, 2013, Utsunomiya University, Tochigi, Japan.
9. **Rañola, Roberto F. Jr.,** “Urban Development and Environmental Scarcity: the Case of the Laguna Lake Basin, Special Seminar Lecture, May 15, 2013, Ritsumeikan University, Biwako-Kusatsu Campus, Kyoto, Japan

10. **Rañola, Roberto F. Jr.**, “Environmental Risks and their Impacts on Food Security”, Seminar Lecture, Sustainable Living in Environmental Risks (SLER) Program, May 7, 2013, Yokohama National University, Kyoto, Japan.
11. **Rañola, Roberto F. Jr.**, “Land Use Changes, Ecological Degradation and Food Security”, Special LakeHEAD Symposium on” Lake Environment and Human Health – Challenges of Laguna de Bay, April 8, 2013, RIHN LECTURE HALL, Kyoto, Japan.
12. **Rañola, Roberto F. Jr.**, Michael Cuesta, Dalton Erick S. Baltazar, Bam Razafindrabe, Ryohei Kada. “Building Disaster Resilience to Address Household Food Security: The Case in Silang-Sta. Rosa Subwatershed”, International Conference on “Climate Change and Natural Disasters in Asia: Emerging Food Security and Eco-Health Issues”, March 14 and 15, 2013, Monash University, Sunway Campus, Malaysia.
13. Ryohei Kada, Rogelio Concepcion, **Roberto Ranola, Jr.** Community-Based Early Warning System to Cope with Ecological Risks: A Case Study on Laguna de Bay Fishkill. *2012 ISSAAS International Symposium & Congress, “ Pushing Agriculture to Achieve the Millennium Development Goals”*, Nov. 13-16, 2012 Legaspi City, Albay, Philippines
14. Food Insecurity of Housholds in Silang-Sta. Rosa Watershed in the Laguna Lake Region: Josefina Dizon, Fe Ranola, **Roberto Ranola, Jr.**, Maria Francesca Tan, Dalton Erik Baltazar and Ma. Cynthia Casin. *2012 ISSAAS International Symposium & Congress, “ Pushing Agriculture to Achieve the Millennium Development Goals”*, Nov. 13-16, 2012 Legaspi City, Albay, Philippines
15. Promoting Payment for Ecosystem Services through Agro-forestry in the Philippines, Katsuya Tanaka, **Roberto Ranola, Jr.**, Damasa Magcale-Macandog, Tadayoshi Masuda and Ryohei Kada. *2012 ISSAAS International Symposium & Congress, “ Pushing Agriculture to Achieve the Millennium Development Goals”*, Nov. 13-16, 2012 Legaspi City, Albay, Philippines
16. Measuring Community Resilience to Flood Risks in the Laguna Lake Region, Philippines. Michael Cuesta, **Roberto Ranola, Jr.**, Bam H.N. Razafindrabe³, Kiyoyuki Yaota⁴, Ryohei. *2012 ISSAAS International Symposium & Congress, “ Pushing Agriculture to Achieve the Millennium Development Goals”*, Nov. 13-16, 2012 Legaspi City, Albay, Philippines
17. **Roberto Rañola, Jr.**, Impact of Environmental Hazards and Risks on the Environment and Food Security: A Framework LakeHead Community Forum, September 28, 2012, Development Academy of the Philippines
18. **Rañola Roberto F., Jr.**. **Effects of Environmental Degradation on Food Security in the Laguna Lake Regions in the Philippines.** Paper presented through Interactive Media at the 13th Spring Conference of the Society for International Development, June 2, 2012, Yokohama National University, Tokyo, Japan.
19. **Rañola Roberto F., Jr.**, **Dalton Erick S. Baltazar, and Fe M. Rañola**. **Floods and Environmental Degradation: Their Effects on Food Security in the Philippines.** Paper presented at the International Symposium on “Impacts of Increasing Flood Risk on Food and Health Security in Southeast Asia”, March 1, 2012, Research Institute for Humanity and Nature (RIHN), Kyoto, Japan.
20. **Rañola Roberto F., Jr.**. **Emerging Issues in Managing Environmental Risks for Sustainable Food and Health Security in Silang-Sta. Rosa Sub-Watershed, Laguna** Paper presented at the 12th Spring Conference of the Japan Society for International Development, June 4, 2011, Jica Research Institute, Tokyo, Japan.
21. **Rañola Roberto F., Jr.** Does Economic Growth Conflict with Environmental Health? Lecture presented at workshop on “ Environmental Protection and Environmental Development of the Intensive Training Program for Short-Term Students of “Leadership

- Program on Sustainable Living with Environmental Risks (SLER), February, 2011, Yokohama National University.
22. **Rañola Roberto F., Jr. and** Fe M. Rañola. Adaptation of Farming Communities to Climate Change and Climate Related Hazards. Paper presented at the ISSAAS International Congress Congress 2010, Nov. 14-18, 2010 at the Inna Grand Bali Beach Hotel, Sanur, Bali, Indonesia.
 23. **Rañola Roberto F., Jr. and Michael A. Cuesta.** *Nature of Risks and Efficacy of Risk Adaptation Measures of Farming Communities in Selected Community-based Watershed Projects in the Philippines.* Paper presented, ISSAAS International Congress, 2009, Nong Nooch Tropical Botanical Garden and Resort, Pattaya, Thailand, January 11-15 2010
 24. Tan, Maria Francesca O., Fe M. Rañola and **Roberto F. Rañola, Jr..** *Vulnerability and Resilience of Watershed Communities Under Conditions of Risks Associated with their Farming Systems.* **Paper presented,** ISSAAS International Congress. Nong Nooch Tropical Botanical Garden and Resort Pattaya, Thailand, January 11-15, 2010
 25. **Rañola Roberto F., Jr.,** Rex B. Demafelis, Mr. Edwin E. Del Rosario, Dr. Arnold R. Elepaño, Dr. Ernesto J. Del Rosario and Dr. Veronica P. Migo. *Feasibility of Producing Bioethanol from Cassava in the Philippines.* Paper presented, International Society for Southeast Asian Agricultural Sciences (ISSAAS) Congress, 2008 on “Agriculture for the 3Es: Economy, Environment and Energy”, February 23-27, 2009, Emerald Hotel, Bangkok, Thailand.
 26. Rañola, Fe. M., **Roberto F. Rañola, Jr.,** and Genaro O. San Valentin. “*Adaptive Responses to Adverse Effects of La Niña of Farming Communities in Camarines Sur, Philippines.*” Philippine National Conference and Annual Meeting. “Impacts of Climate Change and Biofuels on Agriculture.” International Society for Southeast Asian Agricultural Sciences- Philippines in collaboration with Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), the National Research Council of the Philippines (NRCP) and Philippine Association of Agriculturists.” SEARCA, UPLB, College, Laguna. 26 October 2007.
 27. Rañola, Fe. M., **Roberto F. Rañola, Jr.** and Genaro O. San Valentin. “*Adaptive Responses to Adverse Effects of La Niña of Farming Communities in Camarines Sur, Philippines.*” Philippine National Conference and Annual Meeting. “Impacts of Climate Change and Biofuels on Agriculture.” International Society for Southeast Asian Agricultural Sciences- Philippines in collaboration with Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), the National Research Council of the Philippines (NRCP) and Philippine Association of Agriculturists.” SEARCA, UPLB, College, Laguna. 26 October 2007.
 28. **Rañola, Roberto, Jr. F.,** Rex Demafelis and Ari Luis Halos. " Emerging Issues in the Philippine Biofuel Industry, 7th ISSAAS Philippine National Convention and Annual Meeting, Oct. 26, 2007, SEARCA
 29. Damasa Macandog, **Roberto F. Rañola, Jr.** and Edwin Abucay, "Sustainability and Profitability of Agroforestry Systems in the Acidic soil of the Rolling Uplands of Southern Philippines" 10th Annual Meeting and Scientific Symposium 24-25 2007, SEARCA.
 30. **Rañola, Roberto, Jr. F.,** and Angel Lambio, "Prospects for Raising Native Chicken in the Philippines", ISSAAS International Congress, December 2007, Melaka, Malaysia
 31. Damasa Macandog, **Roberto Rañola, Jr.,** Edwin Abucay, Princess Ani and Nino Vida. “Potentials of Agroforestry in Addressing Food Security, Sustainability and Profitability of Smallholder Farms in the Philippine Rolling Uplands”, ISSAAS National Conference, ACTETSME, UPLB, College, Laguna, Oct. 26, 2006.
 32. Rañola, Fe. M., **Roberto F. Rañola, Jr.,** “Community-Based Participation in Agriculture Resource Management: CPAR Project Implementation” Philippine National Conference and Annual Meeting, International Society for Southeast Asian Agricultural Sciences-

- Philippines. ACTETSME UPLB, College, Laguna, 26 October, 2006
33. **Rañola, Roberto, Jr. F.**, Fe Mallion-Rañola, Criteria and Indicators (C&I) for Sustainable Agriculture Management: *Development and Use of C&I for Community-Based Participatory Action Research* (Best Paper Award), Philippine National Conference and Annual Meeting, International Society for Southeast Asian Agricultural Sciences-Philippines. ACTETSME UPLB, College, Laguna, 26 October, 2006.
 34. **Rañola, Roberto, Jr. F.** and Fe M. Rañola, Major Socio-Economic Issues Facing Agriculture and Fisheries for the Next 5 Years and Beyond: A Perspective, National Consultative Workshop on Updating the R&D Strategic Plan for 2006-2010 of the Department of Agriculture-Bureau of Agricultural Research. Tagaytay City, Philippines., November 23, 2006.
 35. **Rañola, Roberto, Jr. F.**, Jr. Fe K. Mallion. Macandog, Damasa Magcale and Ani, Princes Alma B. SAFODS Work package No.5: "Farmers View and Behavioral Responses to Risks and Uncertainties. 4th SAFODS International Scientific Conference and Planning Workshop. August 15-17, 2005. Malang, Indonesia.
 36. Robert Visco, Felino Lansigan, **Roberto Rañola, Jr.**, Damasa Macandog, "GIS-Based Risk Assessment of Profitability of Agroforestry Systems in Claveria, Misamis Oriental Using Stochastic Dominance Analysis", ISSAAS Convention, Tagaytay Country Hotel, Oct. 2005.
 37. Hansel Mariano, **Roberto Rañola Jr.**, "Decisions Under Risks of Agroforestry Users", ISSAAS Convention, Tagaytay Country Hotel, Oct. 2005
 38. Hui-Shung Chang, Angel Lambio and **Roberto Rañola, Jr.**, "An Analysis of the Philippine Poultry Industry: Commercial vs. Backyard Sector", ISSAAS National Convention, Tagaytay Country Hotel, Oct. 2005.
 39. Clarita Dagaas, Angel Lambio and **Roberto F. Rañola, Jr.** "Focusing on the Philippine Poultry Industry: Risks and Threats Issues" ISSAAS National Convention, Tagaytay Country Hotel, Oct. 2005
 40. Fe K. Mallion, **Roberto F. Rañola Jr.**, Damasa Macandog "Farmers' Risks and Mitigating Measures: Implications for Socio-Economic Research and Development Interventions for Agroforestry Planning", ISSAAS National Convention, Oct. 2005 (Best Paper)
 41. **Rañola, Roberto, Jr. F.**, Damasa Macandog. "Competitiveness of Corn Growing in Northern Mindanao: A Policy Analysis Matrix Application", ISSAAS National Convention, Oct. 2005
 42. Thomalla, F., R.V. Cruz, V.O. Espaldon, F. Hilario, R.J.T. Klein, F. Lansigan, R. Lasco, D.B. Magcale-Macandog, F.K. Mallion, D.B. Zoleta-Nantes, R.T. Perez, F. Pulhin, J. Pulhin and **R. Rañola Jr.** 2004. A Comparative Analysis of Vulnerabilities, Responses and Adaptation Strategies to Tropical Cyclones in Asia: Defining the Philippines Country Study. Proceedings of the Coastal Zone Asia Pacific Conference, Brisbane, Queensland, Australia, 5-9 September 2004, 647-653.
 43. **Rañola, Roberto, Jr. F.**, **The Integrated Approach to Managing Salt-Affected Areas in the Philippines.** (ISSAAS Convention in Indonesia).
 44. **Rañola, Roberto, Jr. F.**, **Future Prospects for the Duck Industry in the Philippines,** ISSAAS Convention, Hanoi, Vietnam, 2004.
 45. Crisostomo, B.A., **Rañola. R. F.** Magcale-Macandog, D.B., Ani, P.A.B. and Delgado M.E.M. (2004). **Creating GIS-Based Satellite Markets for Optimal Trading of AF Commodities in Claveria, Mis. Oriental.** PAEDA, BSWM, 12-13 Oct. 2004.
 46. Angel L. Lambio, **Roberto F. Rañola Jr.** Clarita T. Dagaas and Tomas M. Cabagay. **Status and prospect of native chicken production in the Philippines.** Philippine National Convention & Annual Meeting of the International Society for Southeast Asian Agricultural Sciences-Philippines & the First National Agricultural Bioinformatics Convention & Workshop)
 47. Clarita T. Dagaas, Angel L. Lambio, **Roberto F. Rañola Jr.**, Tomas M. Cabagay and Minerva A. Lagarde. **Challenges facing the duck industry in the Philippines.** Philippine National Convention & Annual Meeting of the International Society for

- Southeast Asian Agricultural Sciences-Philippines & the First National Agricultural Bioinformatics Convention & Workshop
48. Nenita L. de Castro, **Roberto F. Rañola, Jr.** Angel Lambio, Hui Shung Chang, Clarita Dagaas and Luz Malabayabas, "Market Prospects of duck eggs and by-products", Philippine Society of Animal Science, Heritage Plaza, Oct. 23, 2003.
 49. **Rañola, Roberto, Jr. F., Sustainable Utilization and Management of Coastal Resources: The Case of Busuanga, Palawan**, ISSAAS, Tokyo, 2003
 50. Damasa Magcale-Macandog, **Roberto F. Rañola Jr**, Canesio Predo and Marc M. Delgado. Sustainability and Policy Implications of Different Land Use Options for Smallholder Farms in Imperata Areas. Poster paper presented at the International Symposium on "Sustainability, Food Security and Managing Natural Resources in SEA: Challenges for the 21st Century" at Chiang Mai, Thailand, 8-11 January 2002. (Poster Presentation)
 51. **Rañola, Roberto Jr.**, "Key Socio-economic considerations in a Waste Management System, Planning Workshop Conference on Enterprise Building for Women on bioorganic fertilizer production from agro-industrial wastes', Oct. 17, 2001.
 52. **Rañola, Roberto, Jr. F., Key Socio-Economic Considerations in a Waste Management System**, Presented in Conference-Workshop on "Enterprise-building for Women on bioorganic fertilizer production from agro-industrial wastes, Oct. 17 to 19, 2001.
 53. **Rañola, Roberto Jr. F.** In-Service Training for Better Land Husbandry- An Experience in South East Asia. Paper presented during the Caribbean Regional Workshop on a Strategy for Better Land Husbandry, Kingston, Jamaica, 27 April to 1 May, 1998.
 54. Predo, C.D., P. Grist, K.M. Menz and **R. F. Rañola, Jr.** 1997. *Estimating the On-site Costs of Soil Erosion in the Philippines: The Replacement Cost Approach. Paper presented during the second Grassland Symposium. Dairy Training and Research Institute, UPLB, College, Laguna, Philippines. 24, Sept. 1997.*
 55. **Rañola, Roberto Jr. F.** Farming Systems Education in the University of the Philippines. Presented during the "Expert Consultation on Strengthening the Farming Systems Education in the Colleges and Universities of Agriculture in Asia", May 27-29, 1997, Bangkok, Thailand.
 56. **Rañola, Roberto Jr. F.** Development of Crop-Animal Research Methodology for Lowland Rainfed Environment. Presented during the International Workshop on Crop-Animal Interactions, Khon-Kaen, Thailand, Sept. 27 -Oct. 1, 1993.
 57. **Rañola, Roberto Jr. F.** Impact of Government Policies on Rural Development in the Philippines. Paper presented during the First Asian Conference of Agricultural Economists on Agricultural Trade Reform and The Future of Asian Agriculture and Agribusiness, Seoul, Korea, Aug. 10-13, 1993.
 58. **Rañola, Roberto Jr. F.** Indicators for the Assessment of CARP. Paper presented to the Workshop on the Assessment of the Effects of the Comprehensive Agrarian Reform Program (CARP), July 8, 1992 at the Institute of Agrarian Reform.
 59. **Rañola, Roberto Jr. F.** Marketing Considerations in Farming Systems Research. Paper prepared for the 22nd meeting of the Asian Rice Farming Systems Working Group on Sept. 30-Oct. 4, 1991 in Beijing, China.
 60. **Rañola, Roberto Jr. F.** Conservation Farming Systems and the ASOCON. Paper presented during the Symposium on Soil Science and Technology at the Development Academy of the Philippines, Tagaytay City, Aug. 15, 1990.
 61. **Rañola, Roberto Jr. F.** Diffusion and Adoption of Mango Technologies in Luzon, Philippines. Presented during the Seminar-Workshop on Technology Adoption in Agriculture, Forestry and Fisheries in the Philippines, 15 Aug. 1989, PCARRD.
 62. **Rañola, Roberto Jr. F.** Diffusion and Adoption of Coffee Technologies in Luzon, Philippines. Presented during the Seminar-Workshop on Technology Adoption in Agriculture, Forestry and Fisheries in the Philippines, 15 Aug. 1989, PCARRD.
 63. **Rañola, Roberto Jr. F.** Technology Assessment for Coffee in Luzon, Philippines. Paper presented during the Workshop Conference on Technology Assessment for Agriculture and Fisheries in the Philippines, Oct. 20, 1988, PCARRD, Los Banos, Philippines

64. **Rañola, Roberto Jr. F** Livestock Marketing Considerations for Small Farmers (January, 1987). Proceedings of the Workshop on On-Farm Animal Research/Extension and Its Economic Analysis, SEARCA.
65. **Rañola, Roberto Jr. F** Marketing Systems (April,1987). Paper presented at the EDI-SEARCA Agricultural Marketing Course, SEARCA, UPLB.
66. **Rañola, Roberto Jr. F.**, Enrique A. Pahm and Linda Penalba. Alternative Land Valuation Schemes for Accelerated Agrarian Reform Project (March 3, 1987). Paper presented during the Workshop on Accelerated Land Reform Project, U.P. Diliman.]
67. **Rañola, Roberto Jr. F**, Enrique A. Pahm and Louie A. Divinagracia. Issues on Affordability of Farmer-Beneficiaries and Landowners' Compensation (May 19, 1987). Paper presented during the third workshop of the Workshop Series on the Comprehensive Agrarian Reform Program, U.P. Diliman.
68. **Rañola, Roberto Jr. F** Case Study of Integrating Crop and Cattle Production in Leon, Iloilo, Philippines (July, 1986). Paper presented during the Crop-Livestock Farming Systems Research Workshop, Khon Kaen, Thailand.
69. **Rañola, Roberto Jr. F**. Analytical Tools Used in Adoption Studies (October, 1985). Paper prepared for the PCARRD Training Course on Research Methodology for Researchers in the Social Sciences.
70. **Rañola, Roberto Jr. F**. National Program on Assessing Technology Adoption and Performance (September, 1985). PCARRD Workshop Paper.
71. **Rañola, Roberto Jr. F**. Some Lessons Learned from the On-Farm Crop-Livestock Farming Systems Research (September, 1985). Paper prepared for the Farming Systems Socio-Economic Workshop, IRRI.
72. **Rañola, Roberto Jr. F**. Designing Technically Feasible and Economically Viable Cropping Patterns: Ex-Ante, A Discussant Paper (September, 1985). Paper presented during the Farming Systems Socio-Economic Research Workshop, IRRI.
73. **Rañola, Roberto Jr. F**. Methodologies for Farming Systems Research (October, 1985). Paper presented during the PCARRD Training Course on Research Methodology for Researchers in the Social Sciences.
74. **Rañola, Roberto Jr. F**. Cropping Patterns and Why Farmers Choose Them (October, 1982). IRRI Saturday Seminar Paper.

RESEARCH/ CONSULTANCY EXPERIENCE :

1. Project Leader, *Role of Marketing and Supporting Systems in Rural Development* (1978). Funded by the Land Bank of the Philippines.
2. Project Leader, *Marketing of Mungbean and Selected Livestock in Pangasinan, Philippines* (Completed 1987) Funded by the International Rice Research Institute, Multiple Cropping Department.
3. Project Leader, *Technology Assessment for Coffee and Mango in Luzon and Visayas* (completed October, 1988). Coordinated by PCARRD and funded by IDRC.
4. Project Leader, *Crop-Animal Farming Systems Research in the Philippines*. 1984 to 1994. Funded by IDRC. Collaborative research between IRRI and UPLB. Involved with the monitoring and evaluation of the crop and livestock researches in Sta. Barbara Pangasinan.
5. Project Leader, *Analysis of Agricultural land Prices in the Philippines*. Funded by USAID through TDI, NEDA,1988. Conceptualized as well as directed the conduct of the study.
6. Study Leader, *Feasibility Study on Ipil-Ipil Leaf Meal Detoxification* (Completed, 1989). Performed the economic analysis of the different technical studies.
7. Consultant, *Animal Agriculture Policy Studies and Systems Analysis* (1986). Under the auspices of the Livestock Economics and Statistical Unit, Office of the Director, Institute of Animal Science. Directed a small group of researchers in the conduct of economic

- studies in the animal industry.
8. Consultant, *Rice-based Farming Systems Research* (1986). Funded by the Farming Systems and Soil Resources Institute (FSSRI). Set directions for the conduct of Socio-economic studies as well as perform the economic analysis of the farming systems studies.
 9. Consultant (Agricultural Economist), Member of the Project Review Team to evaluate project studies developed for the Lead Program of the Department of Agriculture (1989). The main responsibility is the assessment of the overall viability of the projects, including the technical aspects, particularly in terms of the national economic standpoint. Worked with SGV-FEED.
 10. Consultant - *Feasibility of Sweet Potato Production in Bicol*. A study prepared for the Bicol River Basin Development. Program, 1987. Designed and Implemented the study.
 11. Consultant (Program Planning), *Technical Assistance for beneficiary Participation and Local Capability Building in the Province of Camarines Norte*. March.-August,1990. LRM-NEDA V, Basud Credit Cooperative, Inc/Univ. of Eastern Phil.- Bicol Small Business Institute Foundation (BCCI/UNEP-BSBIF). Provided technical advise in the implementation of the study.
 12. Consultant (Resource Management), *Technical Assistance for Beneficiary Participation and Local Capability Development in Polangui, Albay.(otherwise known as the Polangui Integrated Municipal Poverty Alleviation and Control Thrust (IMPACT) project)* February-July.,1990). LRM-NEDA V and UNEP- BSBI Foundation (University of Eastern Philippines - Bicol Small Business Institute Foundation). Provided technical advise in the implementation of the study.
 13. Consultant (Resource Economist). *Project Casework for Training Course on Waste Management for Meat Industries*. Funded by the Carl Duisberg Gesellschaft (CDG), Southeast Asia Program Office, Bangkok, Thailand and coordinated by the Animal Products and By-products Training Center (APBPTC) of the Bureau of Animal Industry, Department of Agriculture, From Feb.- May, 1991. As Member of a team to write the portion on economic evaluation of alternative options for the waste management for the meat industries.
 14. Consultant, Team leader (Resource Economist). To prepare a *Study Towards the Formulation of a National Fuelwood Policy*. The task is to act as overall coordinator for the conduct of the Study and to provide technical direction for the conduct of the different preliminary base studies. Managed by the Development Academy of the Philippines and funded by the Department of Environment and Natural Resources. October, 1990 - May, 1991.
 15. Consultant (Resource Economist). *FAO project RAS/86/027 ASOCON: Regional Action Learning Programme on the Development of Conservation Farming Systems*. Duty Station: Jakarta, Indonesia with missions to Philippines, Indonesia, Malaysia, Papua New Guinea, Thailand and China. January, 1991 - July, 1991. The task is to supervise and assist the different country teams in the development of the respective country case studies. As a member of an interdisciplinary team, to write a training manual on the Integration of Conservation into the Farming Systems as well as to write the Training Outline for use in the different participating countries.
 16. Consultant (Project Analyst). World Bank-DOST Project on *Strengthening Agro-Biotechnology in the Philippines*; Dec.1991-March., 1992. Tasked with the financial and economic analysis of the said projects.
 17. Technical Review Consultant (Market and Financial Aspects). *Feasibility Study and Business Plan for the Construction and Operation of a Multi-Project (Rabbit and Hog Production and Allied Projects) in the Philippines*. Hired by the Mandala Agricultural Development Corporation (Madecor), Feb. 25 to April 21, 1992.
 18. Technical Consultant, International Training in Rural Extension Project. Leader for the theme on Training needs assessment as well as writer for two training modules for the International Course for Rural Extension Trainers: (1) FSR and Farmer-Extension

- Linkage; and (2) Identifying Recommendation Domains, March to October, 1992.
19. Project Investigator, *The Development of Rural Areas: Measurement Issues*. Funded by the Philippine Institute of Development Studies. Start of Project, July 1, 1992.
 20. Consultant, Town Planner, Philippines. *Technical Assistance to Physical Planning: Component 3*, Assistance to NEDA to develop guidelines for planning and assessing allocation and conversion of rural land, October to December, 1992.
 21. Consultant, Resource Economist, *Resource Inventory for the Quezon Province*, Oct.-Nov., 1992. Technical Assistance to the Province of Quezon, Philippines.
 22. Consultant, Technical Evaluator for Project on "Documentation of Successful Farming Systems" July 1, 1993 to Dec. 31, 1993. Responsible for Evaluating the farmer's innovative management practices; and Identifying the farming practices recommendable for dissemination. FSSRI and BAR project.
 23. Consultant, Marketing Specialist, *Research Study on Viable Agri-business Ventures and Alternative Estate Management Schemes for the Pilot Sites of the Project: SRO FOR CARP*, March-May, 1992.
 24. Watershed Management Economist, *Water Resources Development Project Study* for the National Irrigation Administration. Study of the watershed management of ten National Irrigation Systems under the NIA, specifically to make an assessment of the present situation on the NIS's watersheds, and together with the Soil Erosion Expert, make recommendations on the needed works to prevent further damage to the watershed together with economic analyses for the implementation of such works. Hired by Electroconsult, Inc. (ELC), funded by the World Bank. From May 27 to November 21, 1994.
 25. Consultant\Trainer, MSC. Programme on Sustainable Livestock Systems in the Tropics. Conducted with the Students a Participatory Rural Appraisal in the Tan Long Village along the Mekong Delta. The program is funded by the Swedish Government. Conducted in the University of Agriculture and Forestry and Can Tho University, Vietnam, Oct. 18 to Nov. 6, 1994.
 26. Local Consultant, British Hydromechanics Research Group Limited. *Financial and Economic Analysis for the Technical Proposal to Transform the Metals Industry Research and Development Center (MIRDC) of DOST into a Nationally Relevant and Internationally Recognized Independent Research and Technology Foundation*. September to December, 1994. Funded by the World Bank
 27. Component Leader and Resource Economist, U.P. Los Baños Foundation. *Rapid Resources Assessment of Taal Lake: Socio-Economic Component*. May - November, 1995. Funded by Fisheries Sector Program (FSP) of the Department of Agriculture.
 28. Team Leader, World Bank Preparation Mission to Vietnam to work out a Training Program in Project Analysis for Officials of the Ministry of Agriculture and Forestry, July 18-29, 1995.
 29. Resource Economist, SCHEMA Konsult, Inc.. *Feasibility Study for the Establishment of a Regional Agro-Industrial Center for ARRM in Parang*, Cotabato, July to Dec., 1996.
 30. Agricultural/Policy Economist, U.P. Los Baños Foundation. *EIA Policy Baseline and Consolidation Studies*. May 15 - Aug. 15, 1996.
 31. Agricultural Economist, Center for Policy and Development Studies. *Review of the Medium-Term Plan of the Department of Agriculture, Philippines*. May 15 - Aug. 30, 1996.
 32. Consultant\trainer, Rural Project Analysis Training Course for Vietnam. A Training Program in Project Analysis for Officials of the Ministry of Agriculture. Case study conducted in Cantho, Vietnam. Sponsored by EDI-WB and SEARCA, May 27-July 6, 1996.
 33. Team Leader, U.P. Los Baños Foundation. Sustainable Development Indicators (SDI) Study and Experts Workshop. A Project for the Department of Environment and Natural Resources. Aug.-Dec. 1996. Responsible for the overall integration of the study.
 34. Economist, Philippine Association of Agricultural Educators (PASSAGE). Feasibility

- Study in the Establishment of a Herbal Medicine Plantation and Processing Plant. Jan. – Aug., 1997. Responsible for the marketing, financial and economic aspect of the study.
35. Resource Economist, ACIAR PN 9409 Imperata Project, SEAMEO Regional Center for Graduate Study and Research in Agriculture.. Improving Smallholder Farming Systems in Imperata Areas of Southeast Asia – A Bioeconomic Modelling Approach. 1996-1998.
 36. Member, Fertilizer Policy and Technical Advisory Committee, Fertilizer and Pesticide Authority. Jan., 1997 to 2001. Responsibilities: Recommends policies and strategies on fertilizer matters to the FPA management; Assist in the rationalization of the existing guidelines on the product standards, quality, manufacture, distribution, marketing, among others, affecting the fertilizer industry; and Assist in the development and coordination of country programs and projects for fertilizer development, promotion and utilization.
 37. Technical Consultant (Resource & Environmental Economist). Conservation of Priority Protected Areas Project. NGOs for Integrated Protected Areas, Inc. (NIPA).Dec., 1997-present. Involved in the provision of technical assistance to the different protected area site staff in the preparation of the protected area management plan as well as the determination of user fees for the different environmental services in the 10 identified Priority Protected Areas in the Philippines. Funded by the Global Environmental Facility through the World Bank.
 38. Resource Economist. Strategic Environmental Management Plan (SEMP) for Quezon. Conservation Development Specialists Foundation (CDSF) and Integrated Environmental Management for Sustainable Development, DENR Oct. 1997-Jan. 1998. Responsible for the economic concerns of the strategic Environmental Management Plan.
 39. Team Leader and Agricultural Economist (Agriculture Team). San Carlos City Master Development Plan Hired by Pacific Rim Innovation and Management Exponents, Inc. (Primex) with Urbis Philippines Inc. as main contractor. Responsible for integrating the Agriculture Development Plan of the Master Plan as well as the socio-economic and financial analysis of the Agriculture plan. August, 1998 to February, 1999.
 40. Agricultural Economist. Assessment of the Coffee Production Systems in the CECAP-covered Areas. July, 1998 – July, 1999. Funded by the CECAP Project.
 41. Team Leader and Agricultural Economist. Agribusiness Enterprise Development for Mitigating the Effects of La Niña. A Project with the Department of Agriculture through the Conservation and Development Specialists Foundation. May, 1999. Responsible for Integrating the mitigation plans for 6 provinces.
 42. Agricultural Economist. Integrated Management of Salt-Affected Coastal Soils (TCP/PHI/6712). Food and Agriculture Organization, Manila Philippines as funding agency and Bureau of Soils and Water Management as Government Executing Agency. As national consultant, carry out socio-economic evaluation and cost analysis of the integrated management techniques to reclaim and manage coastal salt-affected soils in the country, including the socio-economic viability of introducing fish/shrimp cultures into the system and guidelines for project analysis as well as for choosing between several management production options.
 43. Resource Economist. Assessment of Sustainability Criteria and Carbon Stocks for Selected Land Use Options for Philippine Uplands. Oct. to April, 2000. Southeast Asia Regional Center for Graduate Study and Research in Agriculture (SEARCA). Provide technical inputs and guidance
 44. Resource Economist. Operationalizing Conservation and Development in Philippine Military Reserves. June – August, 2000. Conservation and Development Specialists (CDS) Foundation. Providing expertise in establishing the processes and instruments to systematize protection and utilization of the Military Reserves of the DND.
 45. Resource Economist. Studies on Animal Genetic Improvement and Production in the Philippines: Framework for Action. Effective January, 2002. Funded by DA-BAR and

- implemented through UPLB. Providing related economic inputs to the policy study.
46. Team Leader, Ag. Economist. Problems and Prospects for the Production of Fiber Crops in the Philippines. Effective Sept 15, 2001. Providing leadership in this research study. Funded by DA-BAR and implemented through U.P. Los Baños,
 47. Principal Investigator. Future Prospects for Smallholder Poultry Production in the Philippines: Duck and Chicken. January, 2002 to December, 2003. ACIAR Funded through the UPLBFI. Economist, Development of a Community-Based Waste Management System in Calamba, Laguna, Philippines. Conservation and Development Specialists Foundation, Inc. Funded through FAO. January to December, 2002. Member of the team to initiate the development of a Community-Based Management System.
 48. Resource Economist, Smallholder Agroforestry Options for Degraded Soils. EU and ICRAF funded through the UPLBFI, January 2002 to December, 2006.
 49. Financial Analyst/ Economist, Special Zone of Peace and Development (SZOPAD) Social Fund II (now presently referred to as the ARMM Peace Social Fund), Effective February 15, 2002. SEARCA Consulting Services, Inc.. Providing expertise in the financial and economic analysis of all components of this World Bank funded project following the NEDA ICC guidelines for project preparation and the COSTAB software program required by the World Bank.
 50. Resource Economist, ECAN Zoning Component: Sustainable Environmental Management Project in Northern Palawan (JBIC Special Yen Loan No. PH-225). Daruma Technologies, Inc. August, 2002 to July, 2005.
 51. Resource Economist. Environmental Impact Assessment: Panay River Flood Control Project. Madecor Environmental Management Systems, Inc., Nov. 15, 2002 to Jan. 15, 2003
 52. Economic Development Planner and Project Director. *Comprehensive Land Use Plan and Tax Mapping for the City of Tanauan, Batangas, Philippines*. July 16 to May, 2004. Madecor Environmental Management Systems, Inc. The major function is to formulate an economic development for the municipality of Tanauan, Batangas.
 53. Team Leader, *Results-Oriented Project Evaluation of the Community-Based Participatory Action Research: The On-Farm Research (CPAR:OFR)*, Conservation and Development Specialists Foundation, Inc. May to October, 2005.
 54. Team Leader, *Feasibility Study on Production of Anhydrous Alcohol from Sweet Sorghum*, Conservation Development Specialists Foundation, Inc., September, 2006 to January, 2007.
 55. Project Leader. Risk and Uncertainty in Upland Agriculture: Farmers' View and Behavioral Responses in Selected Community-based Watershed Management Project in the Philippines. University of the Philippines-Los Banos, December, 2009.
 56. LakeHEAD Core Team Member and UPLB Program Leader. Managing Environmental Risks for Sustainable Food and Health Security in Watershed Planning in Southeast Asia. Project Duration: 2010 to 2014. Funded by the Research Institute for Humanity and Nature (RIHN), Japan.
 57. Project Leader, Ex-Ante Evaluation of Industry S&T Plans for the Sugarcane Industry. June 1, 2015 to May 31, 2016. Funded by the PCAARRD.
 58. Member of a 3-Panel Team, External Review Panel of Food and Fertilizer Technology Center (FFTC) based in Taipei, Taiwan. Undertook a review and evaluation of the International Programs of the Center. October 18 to Nov. 2, 2015.
 59. Team Leader. Economic Assessment of Environmental Degradation on Laguna lake Grower's Source of Livelihood. DA-BAR, July 2016
 60. Team Leader, External Review of the Programs and Operations of the Central Bicol State University of Agriculture. August, 2016-08-20.
 61. Technical Consultant, Preparation of the Disaster Risk Reduction Plan of Sta. Rosa, Laguna. August 20, 2016.

62. Agricultural Economist, Integration of Climate Change Adaptation (CCA) and Disaster Risk Management (DRM) in the Updating of Agriculture and Fisheries Modernization Plan (AFMP) for 2018 UNDP-FAO Project "Support to Integrate Agricultural Sector into National Adaptation Plans (NAP-Ag)". Oct. 13, 2017-January, 2019.