

Maniratna Aryal

Born: 2th of May, 1982
Sex: Male
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OBJECTIVE

Seeking an opportunity to utilize my skills and abilities as post-graduate student in the field of social science research that offers academic and professional growth while being resourceful, innovative and flexible.

EDUCATION

INSTITUTE / BOARD	DEGREE	MAJOR	YEAR	DIVISION (GRADE)
Tribhuvan University Institute of Agriculture and Animal Science (IAAS), Nepal	Post Graduate	Masters in Agricultural Economics	2007 (ongoing)	Distinction (89.14%)
Tribhuvan University Institute of Agriculture and Animal Science (IAAS), Nepal	Undergraduate	Agriculture(Agricultural Economics)	2006	First (79.47%)
Tribhuvan University Institute of Agriculture and Animal Science (IAAS), Nepal	Intermediate	Basic Sciences (Biology, Chemistry, Physics), Mathematics, Agriculture	2002	First (78.9%) (Second Topper of campus)
School Leaving Certificate (S.L.C.) HMG Board of Nepal	S.L.C.	English, Mathematics, Science	1999	First (70.14%)

** Specialization and research work*

LANGUAGES KNOWN

- Nepali ‘Mother tongue’
- English
 - Completed all the Intermediate, Undergraduate and Masters courses in English medium
- Hindi – Fluent in speaking and writing.

AREAS OF INTEREST

- Economic research
- Natural Resource Management(NRM)
- Social Science Research

Thesis title: The proposed Thesis Title is “Cost Benefit analysis of buffer zone management in Chitwan National Park, Chitwan, Nepal.” But the title is not yet at finalized due to lack of fund.

HIGHLIGHTS OF MULTIDICIPLINARY UNDERGRADUATE STUDY

Elective Courses (Agricultural Economics)

Agricultural marketing and international Trade (3+1)

- Demand and supply of poultry in Chitwan district
- Marketing of cucumber in Mangalpur VDC

Survey Research Methodology (3+1)

- Economic of milk production in Mangalpur VDC(PCN and Report)

Agricultural finance (3+1)

- Monitoring and evaluation
- Agricultural institutions
- financial analysis of Homnath poultry farm in Mangalpur

PROJECT WORK

(Livestock Production and Management (LPM)) (0+2)

- Live Stock Farm Management
- Forage Cultivation (*Desmodium trifolium*, *Trifolium alexandrium*, *Pennisetum purpureum* etc)
- Silage Preparation
- Compost Making using EM (Effective Micro-organisms) etc.
- Report Writing and Presentation

Agronomy (0+2)

- Effect of nitrogen fertilizer in rice
- Effect of weed in rice
- Effect in late sowing in rice
- Report writing and Presentation

Horticulture (0+2)

- Effect of seed bed in onion cultivation
- Effect of space in carrot cultivation
- Report writing and Presentation

SPECIALLY FOCUSED FIELDS IN UNDERGRADUATE STUDY

SOIL SCIENCE

HORTICULTURE

PLANT PHYSIOLOGY

AGRICULTURAL ECONOMICS

AGRONOMY

LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)

OTHER SUPPORTIVE COURSES FROM DIFFERENT DISCIPLINES

- Farming Systems and Sustainable Agriculture (2+1)
- Agricultural Statistics (2+1)
- Computer Science (0+1)
- Introduction to Biochemistry (2+1)
- Plant Physiology (2+1)
- Genetics (2+1)
- Population Genetics(2+1)
- Introductory Plant Breeding (2+1)
- Applied Agricultural Biotechnology (2+0)
- Nepalese Agriculture Development Policy(2+0)
- Farm management (2+1)
- Medicinal and Aromatic Plants (MAPs) (1+1)

- Environmental Science (2+1)
- Environmental Economics (2+0)
- Introductory Economics (2+0)
- Others

TERM PAPERS IN MASTER'S DEGREE

Natural resource Economics (3+0)

Inter temporal allocation of Biological Resources*

Macroeconomics (3+0)

Importance of international trade to the economic development of the nation*

Econometrics (3+0)

Discuss about the simultaneous equation system and how can we identify the simultaneous equation? *

Microeconomics (3+0)

Public goods*

Statistics For Social Sciences (2+1)

- Probit analysis and use in Economical research*
- Quadratic regression in Agriculture
- Multiple regression and correlation analysis

Mathematical Economics (3+0)

Use of Derivatives in Agricultural Economics and its application*

Survey Research Methodology in Social Science (3+0)

Report writing*

Technical English (2+0)

Comparison between IAAS and western style of referencing*

Production Economics (3+0)

Use of Cobb Douglas Production Function and its application in maize production in Mangalpur area*

Social Psychology (2+0)

Human aggression and its effect*

Seminar (0+1)

Economics of production and marketing of banana in Chitwan and Nawalparasi districts*

** Papers presented in the class room*

PROPOSAL WRITINGS

- **Cost Benefit analysis of Buffer zone management in Chitwan National Park, Chitwan, Nepal**
- **Assessment of local innovation documentation, promotion, dissemination and its cost benefit analysis**
- **Economics of production and marketing of Banana in Chitwan and Nawalparasi districts of Nepal**
- **Effectiveness of electric fencing in mitigating Human-Wild animal (Elephant, Rhino) Conflict in Chitwan national Park, Chitwan, Nepal**
- **Dynamics of Production and Marketing of Honey in Dang district**
- **Economics of Production, marketing and Pest Risk Analysis of Mandarin Orange at Kaski district, Nepal.**
- **Present Scenario and Export Potentiality of Organic coffee in context of World Trade Organization(WTO) in Nepal**
- **Monthly Living Expenses of IAAS Students: A Comparative Study Between Undergraduates and Postgraduates**
- **Estimation of Cross-Elasticity of Ginger in Kalimati Wholesale Market, Kathmandu, Nepal**
- **Impact Study of Community Based Maize Seed Production in Chitwan district, Nepal**

OTHER TECHNICAL PAPERS AND REPORT WRITINGS

- **Technical Report Writing (0 + 1).**
 - **Research status of weed control in Wheat in Nepal**
- **Project work report (0+6)**
 - **Livestock Production and Management (LPM)**
 - **Horticulture**
 - **Agronomy**
- **Other reports (educational tour reports)**
 - **An educational tour to agricultural institutions of Chitwan, Nepal.**
 - **An educational tour to agricultural research stations of Middle and Western Nepal.**
 - **An educational tour to ARCs and agricultural universities of India.**

WORKING EXPERIENCES AND TRAININGS

Trainings

1. Five Months (360hrs) courses on **Microsoft Office User Specialist and Database Application**. (July to Dec. 2005) College of Software Engineering (CSE) Narayangarh, Chitwan, Nepal.
2. Training on **Participatory Rural Appraisal (PRA)**, organized by Farmer Institute for Participatory Research and Production (4 days, 5th to 9th June, 2004)
3. Training on **Project Concept Note(PCN) Covering Result Base Management**, organized by Farmer Institute for Participatory Research and Production (27th Dec, 2005)
4. Training on **Basic Organic Agriculture (Vermicompost Technology, EM Technology, Sustainable Soil Management) Training** organized by Madhuban Eco-village Network Nepal (26 May 2006)
5. **“Shelf Management Leadership Training”** (5 days.) organised Social Mobilization and Experimentation and Learning Centre (SMELC) IAAS.
6. Training on **Apiculture** (6 days 9th to 15th Sept,2004) organised by Beekeeping Training and Research Centre, Chitwan
7. Training on **Mushroom Farming** organised by Farmer Institute for Participatory Research and Production(27th Feb., 2006)
8. Various tours and seminars on the wide array of them on sustainable agriculture, biodiversity, eco-tourism, GIS, livestock, eco-development etc on IAAS (2001-2007).
9. WTO and its Agriculture implication (Seminar One day) Chitwan Chamber of commerce
10. Visited the various Agricultural institute and research stations of Nepal (24 Days, 2004 and2006
11. First Aid Training Organized by Nepal Red cross Society Chitwan Chapter (3rd Falgun 2059)
12. One month visit of various agricultural institutes and research station of India during study tour (15 Oct -15 Nov, 2005).
13. Medicinal and Aromatic plant (MAP tour) in Nepal (10days ,2004)

EXPERIENCES

1. Worked as “**High School Teacher of Science and Mathematics**” for one academic year (2062-01-2 to 2063-12-30) on Contract basis in Shree Dhaddaghari Secondary School, Dhaddaghari-6, Chitwan.
2. Worked as ‘**Secretary of IAAS Cultural Committee**’ in IAAS for one year (2005) and organised and managed more than six cultural programmes.
3. Had experience of ‘**Teaching**’ some ‘**Agricultural Economics**’ courses to Bachelors Degree in IAAS, Rampur Campus for one semester voluntarily during study period.
4. Worked as the Team Leader and conducted the research on “**Effect of Seedbeds on The Yield of Rice**” during project work at Institute of Agriculture and Animal Science, Rampur Campus Rampur Chitwan, under Prof. N.K. Mishra, Ph. D.
5. Worked as **field surveyor** on **Livestock Census** (TUFT University, USA) for 6 month on Eastern and Western part of Chitwan district.

● Participation in Extra-curricular Activities

S.N.	Active Participation	Year of participation	Accomplished responsibilities
1	Member, Nepal youth Red-cross circle, IAAS.	2003/04	<ul style="list-style-type: none"> • Blood donation • Relief collection for flood victims
2	Vice President, Nepal youth Red-cross circle, IAAS.	2004/2005	<ul style="list-style-type: none"> • Chairmanship, National training on youth leadership organized by NYRC, IAAS. • Relief collection for fire victims of Badarjhula, Chitwan.
3	Editor- Marigold, A college magazine of IAAS Editor- IAAS Profile(Profile of IAAS Graduates)	2004 2006	<ul style="list-style-type: none"> • Language editor • Typing, Compiling, Designing, Editing and Final Setting.

3	Program host in the <u>welcome and Farewell programs</u>	Consecutive four years 2001-2004	<ul style="list-style-type: none"> • Conduction of various cultural programmes in welcome and farewell programme.

SKILLS

Computer

- Five Months (360hrs) courses on **Microsoft Office User Specialist and Database Application (Computer Fundamentals, Windows 2000, MS word XP, MS Excel XP, MS Power Point XP, MS Access XP, Email/Internet)** July to December 2005, College of Software Engineering , Narayangard, Chitwan, Nepal.
- Regular proficient user of almost all commonly used software packages for **word processing**, data analysis and presentation, publication designing, **Email and Internet, programming languages**. Special skill on the **GIS** based programme, along with software package i.e. **ARC-View** and **ARC- Info**. Special knowledge on statistical software **MSTATC, GENSTAT, SIGMA PLOT, MINITAB, SPSS** handling and use.

PUBLICATIONS

- Aryal, M.** 2005. Fertilizer Management in Rice Field. .Krishi Sansesh: 2 (5-6) (in Nepali). Society of Post Graduate Students, IAAS, Rampur, Chitwan. Pp39-41.
- Aryal, M.** 2005. Rhizome Rot of Zinger and Its Control. .Krishi Sansesh: 2 (5-6) (in Nepali). Society of Post Graduate Students, IAAS, Rampur, Chitwan. Pp 68-70.
- Aryal, M.** 2005. SRI A New Technology for Rice Production: Kantipur National Daily (Farmers page) pp 7(in Nepali).

Aryal, M. 2005. A New Technology for Raising Seedlings of Rice. Kantipur National Daily (Farmers Page) PP-7(in Nepali)

Aryal, M. 2005. *Study on major problems of Cole crops production under Eastern Chitwan condition*. IAAS Research Report. 3 (2): 11-19.

Aryal, M. 2006. *Acid soil: its causes and management strategies* (Unpublished: submitted to Department of Extension Education and Rural Sociology, IAAS)

MASS group, 2003. An Introduction To Biochemistry. (note book).

MEMBERSHIP

- **Vice-President, IAAS Chitwan Student Association,**
- **Former Editor of Tri monthly issue of Magazine “ Agri-Message”**
- **Member of Post Graduate Society, IAAS, Rampur.**

EDUCATIONAL TOURS

- **A twelve-day tour of agricultural research stations of Western Nepal**
- **A nine-day tour of agricultural research stations of Eastern Nepal including Nepal including Agriculture Research Center (NARC) and International Centre for Integrated Mountain Development (ICIMOD).**
- **A thirty-day tour of agricultural research stations and agricultural universities of India including Indian Council for Agriculture Research (ICAR) and International Crop Research Institute for Semi-Arid Tropics (ICRISAT).**

AWARDS

- **Intermediate Study Scholarship Program (From 2000-2002)**
- **College Top(Second) Award in intermediate level (2002)**
- **Undergraduate Study Scholarship Program (From 2002-2006)**
- **First prize in Intra-college Quiz Contest (In 2002)**

REFERENCES

- **Punya Prasad Regmi, PHD**

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