IPNI Scholar Award Recipients - 2015

The International Plant Nutrition Institute (IPNI) has selected the winners of the annual Scholar Award Program. A total of 37 graduate students, representing 13 countries, were chosen in 2015. Each winner receives the equivalent of US$2,000.

NORTH AMERICA


Guillermo R. Balboa


David A. Carroll II


Taylor Coomer


Chester Greub


Zachary Stewart


Resham Thapa

Mr. Guillermo R. Balboa, Kansas State University, Manhattan, Kansas, USA. **Ph.D. Program:** Improving Crop Production Practices to Close Yield Gaps in a Soybean-Corn Rotation.

Mr. David A. Carroll II, Brigham Young University, Provo, Utah, USA. **M.Sc. Program:** Managing Nitrogen Status to Improve Crop Water Productivity of Limited Irrigation Maize.

Ms. Taylor Coomer, University of Arkansas, Fayetteville, Arkansas, USA. **M.Sc. Program:** Effect of Potassium Deficiency on Uptake and Partitioning in the Cotton Plant and Detection by a Crop Remote Sensor.

Mr. Chester Greub, University of Arkansas, Fayetteville, Arkansas, USA. **Ph.D. Program:** Nitrogen Management Tools and Preplant Fertilizer Nitrogen Recovery Efficiency for Furrow-Irrigated Corn Production in Arkansas.

Mr. Zachary Stewart, University of Nebraska-Lincoln, Lincoln, Nebraska, USA. **Ph.D. Program:** Evaluating the Effect of Foliar Micronutrients on Maize Grain Yield, Grain Biofortification, and the Uptake, Mobility, and Partitioning of the Applied Micronutrients.

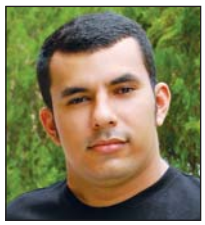
Mr. Resham Thapa, North Dakota State University, Fargo, North Dakota, USA. **M.Sc. Program:** Nitrogen Source and Application Rate Influenced Nitrogen Transformation, Losses and Nitrogen Use Efficiency of Rainfed Spring Wheat.

SOUTH AMERICA


Sérgio Gustavo Quassi de Castro


Johnny Rodrigues Soares


Richardson Barbosa Gomes da Silva


José Aridiano Lima de Deus


Amanda Posselt Martins


Kassiano Felipe Rocha


Patricia Barreto


Victoria Cerecetto


Tomas Della Chiesa


Silvia Marcela Caguasango Eraso

Mr. Sérgio Gustavo Quassi de Castro, University of Campinas, Campinas, São Paulo, Brazil. **Ph.D. Program:** Management of Nitrogen Fertilization for Sugarcane: Alternative Search to Increase Its Efficiency.

Mr. Johnny Rodrigues Soares, Agronomic Institute of Campinas, Jardim Guanabara, Campinas, São Paulo, Brazil. **Ph.D. Program:** Nitrous Oxide Emissions from Nitrogen Fertilizers Applied to Sugarcane.

SOUTH AMERICA continued

Mr. Richardson Barbosa Gomes da Silva, São Paulo State University, Rio Claro, São Paulo, Brazil. **Ph.D. Program:** Water Management on the Seedling Quality of Brazilian Atlantic Forest with Different Architectures.

Mr. José Aridiano Lima de Deus, Federal University of Viçosa, Viçosa, Minas Gerais, Brazil. **Ph.D. Program:** Demand Modeling, Nutrient Partitioning and Fertilizer Recommendation for Banana Based on Soil Testing, Leaf Analysis and Yield.

Ms. Amanda Posselt Martins, Federal University of Rio Grande do Sul, Porto Alegre, Rio Grande do Sul, Brazil. Ph.D. **Program:** Soil Acidity Dynamics and Its Influence on Nutrient Use Efficiency and Availability in a Long-term No-till Integrated Crop-livestock System.

Mr. Kassiano Felipe Rocha, São Paulo State University, Botucatu, São Paulo, Brazil. **Ph.D. Program:** Nitrogen Dynamics in Forage-corn Rotations.

Ms. Patricia Barreto, University of the Republic, Montevideo, Uruguay. **Ph.D. Program:** Quantification and Modeling of Nutrient Loss in Runoff for Different Combinations of Rotations and Soil Management in Uruguay.

Ms. Victoria Cerecetto, University of the Republic, Montevideo, Uruguay. **M.Sc. Program:** Microorganisms that Act on Phosphorus Phytoavailability: Detection of Mechanisms Involved, and Potential Use as Biofertilizers.

Mr. Tomas Della Chiesa, University of Buenos Aires, Buenos Aires, Argentina. **Ph.D. Program:** Nitrous Oxide Emissions at Different Spatial Scales in Natural and Agroecosystems of Argentina.

Ms. Silvia Marcela Caguasango Eraso, National University of Colombia, Bogotá, Colombia. **M.Sc. Program:** Site Index Prediction for *Acacia mangium* W., *Eucalyptus pellita* M. and *Pinus caribea* M. Plantations in the Colombian Elevated Flatlands (*Altillanura*) using Bio-physical Variables.

AFRICA

Noura Bechtaoui

Mavis Badu

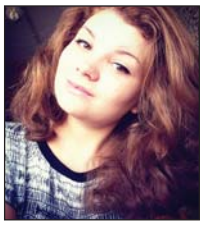
Richard Darfour

Ms. Noura Bechtaoui, Cadi Ayyad University, Marrakech, Morocco. **Ph.D. Program:** Selection and Characterization of Symbiotic Bacteria for Improvement of Agronomic Use Efficiency of Phosphate.

Ms. Mavis Badu, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. **Ph.D. Program:** (University of Wyoming, USA): Evaluation of Interactive Effects from Combined Application of Cattle Manure and Mineral Fertilizer in Sole Maize Cropping System.

Mr. Richard Darfour, University of Ghana, Accra, Ghana. **M.Sc. Program:** Soybean Nodulation Enhancement through Phosphorus Fertilization, Liming and Inoculation on Bekwai Series.

EASTERN EUROPE AND CENTRAL ASIA



Daria Osipova

Anastasia Chukhil

Zhanna Chepko

Ms. Daria Osipova, Lomonosov Moscow State University, Moscow, Russia. **M.Sc. Program:** Potassium Sorption Dynamics in Chernozems.

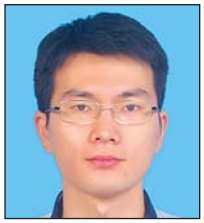
Ms. Anastasia Chukhil, Kuban State Agrarian University, Krasnodar, Russia. **Ph.D. Program:** Productivity of Second-Year Alfalfa with Optimized Plant Nutrition on Leached Chernozem in Western Ciscaucasia.

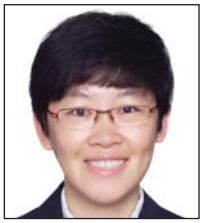
Ms. Zhanna Chepko, Southern Federal University, Rostov-on-Don, Russia. **M.Sc Program:** Multi-Element Composition of Maize Plants on Ordinary Calcareous Chernozem.

CHINA


Li Jifu


Wang Jidong


Zhou Zijun


Jin Kemo

Mr. Li Jifu, Huazhong Agricultural University, Wuhan, Hubei, China. **M.Sc. - Ph.D. Program:** Effects and Mechanisms of Straw Control on Soil Potassium Supply.

Mr. Wang Jidong, Institute of Soil Science, Chinese Academy of Science, Nanjing City, Jiangsu, China. **Ph.D. Program:** Physiological Mechanisms of Genotype Variation in Potassium Use Efficiency and Diagnosis of Potassium Nutrition in Sweet Potato.

Mr. Zhou Zijun, Institute of Soil Science, Chinese Academy of Sciences, Nanjing City, Jiangsu, China. **Ph.D. Program:** Development and Application of Controlled-Release Fertilizers Coated by the Biochar-modified Waterborne Polyacrylate Material.

Ms. Jin Kemo, China Agricultural University, Beijing, China. **Ph.D. Program:** Root Responses to Heterogeneous Nutrient Distribution and Soil Mechanical Impedance and Its Management Strategy.

SOUTH ASIA


Lakshmi D. Maddukuri


Kali Krishna Hazra


Muhammad Imran


Basavaraj Patil


Amrita Sengupta


Abhijit Sarkar


Dibakar Ghosh


Ashok K. Koilakonda

Ms. Lakshmi Durga Maddukuri, Indian Agricultural Research Institute, New Delhi, India. **Ph.D. Program:** Development of Site-Specific Integrated Nutrient Management Systems for Gladiolus and Marigold using Soil Test Crop Response Correlation Studies.

Mr. Kali Krishna Hazra, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India. **Ph.D. Program:** Assessment of Soil-plant Phosphorus Dynamics in Aerobic Rice-lentil Production Systems for Strategic Phosphorus Management.

Mr. Muhammad Imran, Bahauddin Zakariya University, Multan, Punjab, Pakistan. **Ph.D. Program:** Phosphorous Management for Biofortification of Zinc in Maize Grown on Calcareous Soils.

Mr. Basavaraj Patil, University of Agricultural Sciences, Dharwad, Karnataka, India. **Ph.D. Program:** Precision Nutrient and Water Management in Sugarcane.

Ms. Amrita Sengupta, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, India. **Ph.D. Program:** Enhancement of Groundnut Productivity through Isolated Rhizobia and Phosphate Solubilizing Bacteria.

Mr. Abhijit Sarkar, Indian Agricultural Research Institute, New Delhi, India. **Ph.D. Program:** Development and Characterization of Superabsorbent Controlled-release NP-fertilizer Formulations and Their Impact on Soil Health under Rice-wheat Cropping System.

Mr. Dibakar Ghosh, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, India. **Ph.D. Program:** Weed and Nutrient Management in Maize-greengram (Residual)-rice Crop Sequence under New Alluvial Soil.

Mr. Ashok Kumar Koilakonda, Indian Institute of Technology, Kharagpur, West Bengal, India. **Ph.D. Program:** Comparative Assessment of Direct and Carry-over Effects of Organic and Inorganic Nutrient Management for Rice-chickpea Production System in Lateritic Soil.

SOUTHEAST ASIA

Nantiya Panomjan

Ms. Nantiya Panomjan, Chiang Mai University, Chiang Mai, Thailand. **Ph.D. Program:** Genetic Diversity and Grain Zinc Content of Local Rice Landraces from Southern Thailand.

AUSTRALIA/NEW ZEALAND

Massimiliano De Antoni Migliorati

Caspar Will Roxburgh

Mr. Massimiliano De Antoni Migliorati, Queensland University of Technology, Brisbane, Queensland, Australia. **Ph.D. Program:** Reducing Nitrous Oxide Emissions while Supporting Subtropical Cereal Production in Oxisols.

Mr. Caspar Will Roxburgh, The University of Queensland, Brisbane, Queensland, Australia. **Ph.D. Program:** Nutrient Management under Conservation Agriculture Systems: A comparative Analysis between Queensland and Southern/Eastern Africa.

Graduate students attending a degree-granting institution located in any country within an IPNI regional program are eligible. The award is available to graduate students in science programs relevant to plant nutrition science and the management of crop nutrients including: agronomy, horticulture, ecology, soil fertility, soil chemistry, crop physiology, environmental science, and others.

Regional committees of IPNI scientific staff select the recipients of the IPNI Scholar Award. The awards are presented directly to the students at a preferred location and no specific duties are required of them.

Funding for the scholar award program is provided through support of IPNI member companies, primary producers of nitrogen, phosphate, potash, and other fertilizers.

More information is available from IPNI staff, individual universities, or from the IPNI website: www.ipni.net/awards. BC

7th International Nitrogen Conference (INI 2016)

The Victorian Government and University of Melbourne are jointly hosting the 7th International Nitrogen Initiative Conference, at the Melbourne Cricket Ground, on December 4 to 8, 2016.

The theme of INI 2016 is **Solutions to Improve Nitrogen Use Efficiency for the World**. The program includes plenary presentations from many of the world's experts in the fields of nitrogen cycling and management, crop and animal production, emissions and environmental impacts with participation from research, industry and policy organizations globally. Further details of the conference are available at ini2016.com. BC

THE CALL FOR PAPERS IS NOW OPEN