

Personal information

Name DR. Riyad BISHARAT
Place and date of birth Tammoun, 09. 12. 1977
Nationality German
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Education

Dec. 2007 – Apr. 2012 Ph.D. in Agricultural Sciences, University of Hohenheim, Germany
Thesis title: "Combining the Barometric Process Separation (BaPS) Method with a New ¹³C-Pool Dilution Technique for Measuring Gross Nitrification Rates in Calcareous Agricultural Soils"
Advisor: Prof Dr Thilo Streck

Oct. 2005 - Nov. 2007 M.Sc. in Environmental Protection and Agricultural Food Production, University of Hohenheim, Germany
Thesis title: "The Effect of Artificial Root Exudates on Desorption Kinetics of Cadmium"
Advisor: Prof. Dr. Thilo Streck

1998 - 2002 B.Sc. in Biological sciences, Birzeit University, Palestine

1996 - 1998 Studying Chemistry, Birzeit University, Palestine

1996 Certificate of General Secondary Education Examination, Tammoun Secondary School, Palestine

Professional experience

Jul 2019 – Now GLP Study Director / Team Coordinator (Soil Field Dissipation Studies) at Eurofins Agroscience Services GmbH, Carl-Goerdeler-Weg 5, 21684 Stade - Germany

Sep. 2014 – Jun 2019 Regulatory Science Expert (Environmental Fate and Modelling Dept.), GAB Consulting GmbH, Ottenbecker Damm 10, 21684 Stade - Germany

Major Tasks:

- Check of Completeness preparation (CoC) for Efate section according to Regulation (EC) No. 1107/2009.
- Standard and national calculations of PEC_S in all environmental compartments (PEC_{SOIL} incl. assessment of accumulation potential), (PEC_{GW} incl. assessment of metabolites relevance in groundwater), (PEC_{SW/SED}).
- Higher tiers exposure assessment.
- Kinetics analysis for lab. and field degradation/dissipation studies (incl. normalisation of field data) according to FOCUS guidance of the FOCUS work group on Degradation Kinetics.
- Study monitoring: Monitoring of studies to ensure high quality of scientific reports and compliant with guidelines and good laboratory practice (GLP).
- Literature research conduction for active substances and metabolites according to EFSA Guidance, EFSA Journal 2011;9(2):2092.
- Dossier preparation for zonal and national registration for putting of Plant Protection Products (PPPs) into the market (incl. professional and non-professional uses and Greenhouses uses).
- Dossier defence by authorities and follow up

Other Tasks (Section management):

-Supervising development of IT tools for daily work (e.g. automation of working tools and dossier preparation)

-Training and knowledge transfer to other colleagues (e.g. kinetics analysis, conduction of literature research etc.)

Oct. 2012 – May 2014

Environmental Fate & Modelling Dept., Dr. Knoell Consult GmbH, Dynamostrasse 19, D-68165 Mannheim - Germany

Major tasks:

-Kinetics analysis for laboratory studies (soil degradation studies, photolysis, hydrolysis, and water-sediment studies) and derivation of kinetics parameters and endpoints (modelling and persistence endpoints) according to FOCUS guidance of the FOCUS work group on Degradation Kinetics.

-Kinetics analysis and evaluation of field dissipation studies and derivation of kinetics parameters and endpoints (incl. invers modelling and normalisation)

-Dossier preparation for PPPs (Environmental fate summaries).

2003 - 2006

Short research visits, Kompetenzzentrum Obstbau-Bodensee (KOB), Ravensburg, Germany

2002 - 2005

Laboratory technician, Birzeit University, Palestine

Publications

- Qiu, S., Ju, X., Ingwersen, J., Guo, Z., Stange, C. F., **Bisharat, R.**, Streck, T., Christie, P., Zhang, F. (2013): Role of carbon substrates added in the transformation of surplus nitrate to organic nitrogen in a calcareous soil. *Pedosphere*, 23 (2): 205-212.
- **Bisharat, R.**, (2012). PhD thesis: Combining the Barometric Process Separation (BaPS) Method with a New ¹³C-Pool Dilution Technique for Measuring Gross Nitrification Rates in Calcareous Agricultural Soils.
- Harb, J., **R. Bisharat**, and J. Streif, (2007). Changes in Volatile Constituents of Blackcurrants (*Ribes nigrum* L. cv. 'Titania') following Controlled Atmosphere Storage. *Postharvest Biology and Technology* 47: 271-279
- Harb, J., A. A. Saquet, **R. Bisharat**, and J. Streif, (2006). Quality and Biochemical Changes of Sweet Cherries cv. Regina Stored in Modified Atmosphere Packaging. *Journal of Applied Botany and Food Quality* 80: 145-149
- Harb J., **R. Bisharat**, and J. Streif, (2006). Einfluß verschiedene Kontrolliertem Atmosphäre Lagerbedingungen auf die Qualitätsmerkmale von Heidelbeeren Sorte "Bluecrop" (Influence of controlled atmosphere storage conditions on the quality parameters of blueberries cv. Bluecrop). *Erwerbes-Obstbau* (in German). 48: 115-120.

Conferences

- **SETAC Europe** 28th Annual Meeting "Responsible and Innovative Research for Environmental Quality", Rome, Italy from 13 to 17, May 2018.
- **SETAC Europe** 27th Annual Meeting "Environmental Quality Through Transdisciplinary Collaboration", Brussels, Belgium from 7 to 11, May 2017.
- **SETAC Europe** 12th Special Science Symposium "Risk mitigation measures, risk assessment and labelling in the EU 28: Introduction to the MAgPIE toolbox", Brussels, Belgium from 10 to 12, May 2016.
- **Bisharat, R.**, J. Ingwersen, C.F. Stange, X. Ju, and T. Streck, (2009): A new BaPS-¹³C Stable Isotope Technique for Measuring Gross Nitrification Rates in Alkaline Agricultural soils. 15th International Symposium on Environmental Pollution and its Impact on Mediterranean Region (MESAEP), October 7 to 11, 2009, Bari-Italy. **Oral presentation**, Book of abstracts p. 38.

- **Bisharat, R.**, J. Ingwersen, C.F. Stange, X. Ju, T. and Streck, (2009): Combined BaPS-¹³C Stable Isotope Technique to Study the Interaction between C and N Turnover in Alkaline Agricultural Soils. Jahrestagung der Deutschen Bodenkundlichen Gesellschaft DBG, Böden – Eine Endliche Ressource, September 05 to 13, 2009, Bonn-Germany. **Oral presentation.**
- **Bisharat, R.**, J. Ingwersen, C.F. Stange, X. Ju, and T. Streck, (2008): Current limitations of the Barometric Process Separation method for quantifying gross nitrification rates in calcareous soils. Eurosoil Congress 2008, Soil-Society-Environment, August 25 to 29, 2008, Vienna-Austria. **Oral presentation**, Book of abstracts p. 151.

Fellowships & memberships

- Ph.D. fellowship from the interdisciplinary program of the International Research Training Group (IRTG) “Modelling Material Flows and Production Systems for Sustainable Resource Use in Intensified Crop Production in the North China Plain” of the University of Hohenheim, Stuttgart, and China Agricultural University, Beijing, funded by the German Research Foundation (DFG) and the Chinese Ministry of Education.
- Member of the Society of Environmental Toxicology and Chemistry (SETAC Europe)

Training courses

- GLP Monitor-Training (In house), by Dittberner Consulting QM, GLP, ISO, HSE – Audits & Services, April 21st, GAB Consulting GmbH, Stade.
- Graduate course in Mathematics and Biology. Erasmus Intensive Program, July 01 to 15, 2009, Firenze, Italy
- Models in Plant Production and Breeding. University of Hohenheim and China Agricultural University. March 22 to 27, 2009, Beijing, China

Languages

- Arabic: Mother tongue
- English: Very good (Reading, Writing, Speaking)
- German: Elementary knowledge (learning ongoing)

References

Available upon request