Proposed by: Ingrid Woodrow
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ELNA M. BUYS

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PROFILE

I have been leading the Department of Food Science at the University of Pretoria since 2012 and appointed HOD of the newly established Department of Consumer and Food Sciences in November 2017. My research has focused on understanding the effect of food processing on the phenotypic and genotypic characteristics of spoilage and pathogenic bacteria with a particular interest in dairy and meat. With the expertise my research group has attained over time we are now involved in international collaborative research determining disease burden, risk factors, sources and transmission routes for food borne pathogens

RESEARCH OUTPUTS AND MEMBERSHIPS

Scopus Author ID: 6701645297
https://orcid.org/0000-0001-7836-9295
https://www.researchgate.net/profile/Elna_Buys

Member of South African association for Food Science & Technology (SAAFoST) since 2001 , International Association of Food Protection (IAFP), American Dairy Science Association (ADSA), South African Society for Dairy Technologists (SASDT)

ACHIEVEMENTS

- Study leader/co-leader of 8 Post Docs, 18 PhD and 28 MSc Food Science students to completion.
- Author/co-author of 80 papers in international peer-reviewed research journals, 3 book chapters, co-inventor of 1 patent.
- C1 rated scientist National Research Foundation.
- Research fellow Curtin University, Australia, 2018.
- Research fellowship award 6 mo University of Valencia, Spain 2011
- Cochran research fellowship award, USA 2001.
- Recipient of the SASDT 2013 merit award.
- ARC-Irene researcher of the year award 2000.
- Best Research Group at ARC-Irene 1999.
- SA Representative on International Dairy Federation (IDF) committees.
- Collaborator on national and international research projects funded by Bill and Mellinda Gates Foundation (BMGF) and UK's Department of International Development (DFID) (FOCAL), SAMilk, WRC, NRF-DST Center of Excellence Food Security, RMRDT, European Union (AFTER), ERAfrica, DST-Innovation Fund, Protea-France collaboration, HESA-BRICS and THRIP.
- EU expert evaluator INCODEV FP7 program, Brussels 2011.
- Expert, facilitator FAO Risk Assessment, Botswana, 2011 and UNIDO, Zambia 1999.
- Scientific committee IUFoST 2010, Cape Town.
- Organiser of the 1999 International Meat Science Symposium
- Research leader for >70 Food Industry research projects.
- SANAS Assessor for Inspection and Certification Bodies