

Arno den Toom



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Work Experience

09/2016 – Active Andijk / Enkhuizen, NL

Specialist Germplasm Quality

Syngenta Flowers

Maintain and improve germplasm quality via interdisciplinary and interdepartmental project management approaches. Among other activities, technology scouting, testing, and implementation are part of my role.

05/2015 – 11/2016 Wageningen, NL

Researcher (M.Sc. Thesis)

Wageningen, UR

Investigate the effects of saline soil on the growth behaviour of quinoa for prospective breeding targets.

06/2013 – 06/2014 Noordwijk, NL & Madrid, ES
11/2015 – 01/2016

Researcher (B.Sc. Thesis)

Data Analyst (M.Sc. Internship)

European Space Agency MoU DESC

Investigate the progressive effects of simulated micro-, partial- and hyper- gravity on Arabidopsis seedlings. Perform data analyses for the validation of a new paradigm partial gravity simulator.

08/2012 – 02/2013 Texel, NL
Summers of 2010, 2011, and 2012

Researcher (B.Sc. Internship & Volunteering)

Royal Dutch Institute for Sea Research

Study the competition of two viruses for a single host. Additionally, various activities were done as a volunteer for the BIO and ECO departments.

Skills & Competences

Pro-Active ★★★★★

Managing ★★★★★

Organized ★★★★★

Networking ★★★★★

Problem Solving ★★★★★

Results Orientated ★★★★★

Planning ★★★★★

Creative ★★★★★

Certification & Trainings

2018

Project Management
PMI PMBOK® 5th Edition

2018

Internal Auditing
NAK Tuinbouw

2017

Project Management, Essentials
TwentyEighty

2017

Lean & Six Sigma
Lynda.com

2017

Management and Leadership I & II
Open University

Education

09/2014 - 02/2016

Master of Science – Biotechnology, Plants
Wageningen University & Research Centre

09/2011 - 05/2014

Bachelor of A. Science – Biotechnology, Green
Applied University Alkmaar

06/2011 - 07/2011

Pre-Master of Science – Exobiology
European Space Agency University

Interest

Ballroom dancing | Hydroponics | Physics
| Gardening | Cooking | Learning |
Puzzles | Technology | Geocaching

A Note

I'm a Dutch born man (7th of September, 1988) from Langedijk who has lived abroad ever since primary school. I have returned to the Netherlands for an academic education in science.

In the last five years, I have done some extensive research on plant growth behaviour and, in the recent two years, I have been leading quality assurances through strong project management skills. As a final note, I have been deeply involved with various technological developments with international research teams, through coordination and adaptation.

Publications

2018

Aránzazu Manzano, Raúl Herranz, Leonardus A. den Toom, Sjoerd te Slaa, Guus Borst, Martijn Visser, F. Javier Medina and Jack J. W. A. van Loon. *Novel, Moon and Mars, partial gravity simulation paradigms and their effects on the balance between cell growth and cell proliferation during early plant development*. npj Microgravity (2018) 4:9 ; Published online 4th April doi:10.1038/s41526-018-0041-4

**Planned
2020**

Vivianna Jaramillo-Roman, Leonardus A. den Toom, C. Gerard van der Linden & Robert E.N. van Loo (2020). *The effect of salinity on plant growth and grain production of non-bitter varieties of Chenopodium quinoa*.