

# Arno den Toom



ir. Leonardus Arnoldus den Toom



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## Work Experiences

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

## Certifications & Trainings

2018

Project Management  
*PMI PMBOK® 5<sup>th</sup> Edition*

Influencer  
*VitalSmarts®*

Internal Auditing  
*NAK Tuinbouw*

2017

Project Management, Essentials  
*TwentyEighty*

Lean & Six Sigma  
*Lynda.com*

Management and Leadership I & II  
*Open University*

## Educations

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*

## Interests

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

## A Note

I'm a Dutch born man (7<sup>th</sup> 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 technology development and, in the recent two years, I have been leading quality assurances through strong project management skills. Additionally, I have been part of the breeding team and working on crop development, selections and, as of late, breeding. 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*.