

Arno den Toom



ir. Leonardus Arnoldus den Toom



Grundel 20
1721 GD Broek op Langedijk
The Netherlands



+31 (0) 6 215 137 99



arno@dentoom.org



www.dentoom.org



<https://nl.linkedin.com/in/ladentoom>

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

Leading Change – PCI®
Changefirst

Project Management
PMI PMBOK® 5th 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 - Completed

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

09/2011 - 05/2014 - Completed

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

06/2011 - 07/2011 - Completed

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 (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 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*.