

Domeinspecifieke leerresultatenkader

datum **Cluster** : -
10 juli 2017

onderwerp
DLR **Opleiding** : International Master of Science in Agro- and Environmental Nematology
International MSc in Agro- and
Environmental Nematology
(master)
(005813) **Studiegebied:** Wetenschappen

Niveau :
o Vlaamse Kwalificatiestructuur 7
o Codex Hoger Onderwijs Master
o Europese Hoger Onderwijs Ruimte (Dublin-descriptoren) 2^{de} cyclus
o Europees Kwalificatiekader voor een Leven Lang Leren 7

Opleiding wordt aangeboden aan de volgende instelling:
– Universiteit Gent.

Domeinspecifieke leerresultaten van de opleiding:

1. Possess advanced knowledge of theories, models, methods and processes in fundamental (morphology, systematics, diversity and identification) and applied aspects of Nematology (with focus on agro-ecosystems).
2. Apply specialised knowledge of taxonomy and ecology of plant-parasitic, insect-parasitic and free-living nematodes to solve problems of agronomy and/or the environment and to execute innovative research.
3. Apply in a creative, interdisciplinary and problem-oriented way models, theories and methodologies from other relevant science domains (such as genetics, plant biology, molecular biology, ecology, biocontrol and statistics) in relation to specific nematological problems.
4. Select independently appropriate data analysis methods and apply in order to obtain a scientifically based conclusion.

5. Recognise problems in the field of Nematology and evaluate these in a broader biological, evolutionary, agronomical or environmental context.
6. Apply advanced knowledge of theories and models, concepts and processes in relation to complex nematological data.
7. Independently plan and execute experiments and critically evaluate the collected data.
8. Independently collect literature data and evaluate these critically in order to form a coherent basis to solve complex research questions.
9. Present (personal) research results and ideas, both written and orally, to specialists and non-specialists.
10. Communicate in a competent and straightforward way with specialists and non-specialists on new developments in the field and cognate disciplines.
11. Situate scientific problems, results of scientific research and technical views in a social and ethical context.
12. Possess the necessary skills in order to function within a professional environment where sustainability, both ecological and economical, self-reliability and development count and possess an attitude of permanent learning.

Datum validatie: 10 juli 2017