PhD SCHOOL of the University of Torino

PhD program in

AGRICULTURAL, FOREST AND FOOD SCIENCES

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SCIENZE AGRARIE, FORESTALI E ALIMENTARI,

SAFA
Objectives of any PhD program
Educational course to acquire high-level research competences for a research position in Universities, research institutes, public and private bodies, both in Italy and abroad

Duration
3 years, starting from November 1\textsuperscript{st}

Full time activity but not “lavoratore dipendente”

Casting
PhD student, scientific tutor, tutor, PhD board, coordinator, school director

PhD students have representatives
- Department council (Consiglio di Dipartimento)
- Board of the PhD course (Collegio docenti): Ottaviano Chiriac, Valentina Guarino, Sarvia Filippo, Donna Matteo (PhD-representatives).
- School committee (Consiglio della scuola di dottorato)
La Scuola

DIRETTORE/DIRETTRICE

GIUNTA

- Indirizzo Culturale SCIENZE DELLA NATURA
- Indirizzo Culturale SCIENZE DELLA VITA E DELLA SALUTE
- Indirizzo Culturale SCIENZE SOCIO-ECONOMICHE
- Indirizzo Culturale SCIENZE UMANISTICHE

CONSIGLIO

- Il Direttore/La Diretrice
- Coordinatori/Coordinatrici Corsi di Dottorato – Sede Amm. UNITO
- Referenti Corsi di Dottorato in convenzione o consorzio – Sede Amm. non UNITO

- 5 rappresentanti dei dottorandi/delle dottorande, di cui 1 per ciascun indirizzo culturale della Giunta e 1 per indirizzo industriale
NATURAL SCIENCES

Natural Sciences area

- Agricultural, Forest and Food Sciences
- Biological Sciences and Applied Biotechnologies
- Chemical and Material Sciences
- Computer Science
- Earth Sciences
- Mathematics
- Modeling and Data Science
- Pharmaceutical and Biomolecular Sciences
- PhD Technology Driven Sciences: Technologies for Cultural Heritage (Tech4Culture)
- Physics

Programs in consortium or agreement

- Food, Health and Longevity (Administrative seat: Università del Piemonte Orientale)
- Pure and applied Mathematics (Administrative seat: Politecnico di Torino)
- Sustainable Development and Cooperation (SUSTNET) (Administrative seat: Università di Torino)

Social and Economic Sciences area

Life and Health Sciences area

Arts and Humanities area
Website of the doctoral school of Unito

https://www.dottorato.unito.it/
Website of the PhD Course in Agricultural, Forest and Food Sciences

https://dott-safa.campusnet.unito.it/
The PhD world at DISAFA

SAFA Course

• 26 PhD students in their third year (cycle37 and 37PON)
• 32 PhD students in their second year (cycle 38 and 38PNRR)
• 22 PhD students in their first year (cycle 39 and 39NODES, 4 of them will start on February 1° 2024)

Enrolled in PhD Courses based at other Unito Departments or at other Universities:

• 10 PhD students in their third year (cycle37)
• 9 PhD students in their second year (cycle 38)
• ? PhD students in their first year (cycle 39)

National PhD in Food Science, Technology and Biotechnology

• 10 PhD students in their first year (cycle 39)
Doctoral school
PhD in Agricultural, Forest

About the programme
After the PhD
International dimension
Facilities
Regulations
Information for enrolled PhD students
Contacts
USE THE WEBSITE!

https://dott-safa.campusnet.unito.it/do/home.pl

Regolamenti
Instructions
Forms
Courses
WHAT DO WE EXPECT FROM YOU?

You should develop a deep knowledge in a specific topic
1. You should be able to interact with your peers on that topic
2. You must write papers and transfer the knowledge you have acquired
3. You must bring new ideas/methods in your research group

BRIEFLY, WE ARE HAPPY IF, BY THE END OF YOUR PhD, YOU KNOW MORE THAN YOUR TUTOR ON YOUR RESEARCH TOPIC

HOW WILL WE HELP YOU TO REACH THIS OBJECTIVE?

We will «offer» you:
1. Statistical training to explore data
2. English training to enhance your presentation and writing skills
3. Workshops/courses on where to publish your results and other useful tips
4. Stages abroad
5. Thematic workshops and courses

We encourage you to find conferences, courses etc.. that may help your scientific growth (you have a budget for that).
THE SCIENTIFIC REQUIREMENTS TO BECOME A DOCTOR ARE 180 Research credits (CFR)

You get CFR through both mandatory activities and other activities you choose

MANDATORY ACTIVITIES

Courses
   at least 20 CFR

Research stage abroad
   at least 3 months (better 6 months, compulsory 6 months for PNRR PhD students),
   maximum 18 months of which maximum 12 months with economic support
   (50% grant increase)

Conferences
   at least 1 presentation during the 3 years

Oral presentation to an evaluation board
   at the end of the 1\textsuperscript{st} and 2\textsuperscript{nd} year

Active Seminar, possibly outside DISAFA
   minimum one, during the three-year period

Scientific paper
   at least 1 as a first author, accepted on an ISI/Scopus journal

Thesis
   in Italian or in English, monography or collection of 3 papers
It’s also mandatory that you attend the on-line course on safety at working places and the specific training provided by the technicians at your working unit (no credits for that)

CREDIT FORM
You can submit for creditization a maximum of:

- 15 courses
- 5 conference presentations
- 6 active seminars
- 5 papers (related to the PhD topic)

Teaching activity (only if officially appointed)

Credit form is not intended for the evaluation of the quality of your PhD career, it is rather a tool for the professor board to check that you are regularly fulfilling the requests of the PhD course and, eventually, propose some contingency plans.
These last two years, the Annual Presentations took place in a meeting at PraCatinat in the Alps (Sept. 2022) and Castellania in the Colli Tortonesi (Sept. 2023). A similar organization is planned for the next year.
<table>
<thead>
<tr>
<th>Activity</th>
<th>conditions</th>
<th>Credits and notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses, seminars, winter/summer schools (max 15)</td>
<td>&gt;=20 CFR</td>
<td>Mandatory: some SAFA courses &amp; 20 CFR, all courses 6 h/CFR</td>
</tr>
<tr>
<td>Attending to conferences, workshops</td>
<td>Recommended</td>
<td>No Credits</td>
</tr>
<tr>
<td>Publications (max 5 related to PhD topic)</td>
<td>&gt;=8 CFR</td>
<td>Mandatory: 1 ISI 1° as first author. 4-12 CFR depending on role &amp; journal ranking</td>
</tr>
<tr>
<td>Presentations at conferences (max 5)</td>
<td>&lt;= 10 CFR</td>
<td>1-3 CFR depending on role, type of event, type of presentation</td>
</tr>
<tr>
<td>Annual presentations</td>
<td>&lt;=3 CFR</td>
<td>Mandatory: 0-3 CFR depending on the evaluation (D to A)</td>
</tr>
<tr>
<td>Stage abroad (3-6 months, up to 18)</td>
<td>9&lt;x&lt;39 CFR</td>
<td>3 CFR/month during the 3 mandatory months, then 2 CFR/month</td>
</tr>
<tr>
<td>Seminars (given)</td>
<td>&lt;=6 CFR</td>
<td>0.5-1 CFR/seminar. Max 2 seminars/year. Not counted if at DISAFA</td>
</tr>
<tr>
<td>Patents</td>
<td></td>
<td>1-2 CFR depending national/international</td>
</tr>
<tr>
<td>Teaching</td>
<td></td>
<td>1 CFR/10 h «assistenza alla didattica» officially appointed</td>
</tr>
<tr>
<td>Research activity</td>
<td>= 120</td>
<td>40 CFR/year</td>
</tr>
<tr>
<td>Thesis</td>
<td>20-30 CFR</td>
<td>Italian or English</td>
</tr>
</tbody>
</table>
You will be offered also soft skills courses by the school. The PhD program will eventually organize more specific seminars during the second semester. You are invited to find additional appropriate courses.
All courses are at the Campus, in Grugliasco, check schedule at
Next academic year we will offer the course of Climate Change in Crops and Forest. This course is composed of several modules that can be chosen optionally.

<table>
<thead>
<tr>
<th>Course</th>
<th>hours</th>
<th>module</th>
<th>teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Climate and climate change</td>
<td>Cassardo Claudio</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Plant strategies for adaptation to climate constraints</td>
<td>Lovisolo Claudio</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Effects of climate change on crops and weed management</td>
<td>Vidotto Francesco</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Forests in a changing climate</td>
<td>Motta Renzo</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>4</td>
<td>Mitigation Options for Reducing GreenHouse Gases (GHG) Emissions of Agroecosystems</td>
<td>Fogliatto Silvia</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Genomics approaches for crop improvement against adverse climate conditions</td>
<td>Barchi Lorenzo</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Insect response to climatic variables</td>
<td>Ferracini Chiara</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Plant pathogens epidemiology and control under changing climate conditions</td>
<td>Mezzalama Monica</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Soils in a changing climate</td>
<td>Freppaz Michele</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>The role of Remotely Sensed Open Data for mapping climate change effects</td>
<td>Borgogno Enrico</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Policy, Society and Economics adaptation to Climate change</td>
<td>Blanc Simone</td>
</tr>
<tr>
<td>Climate Change in Crops and Forests</td>
<td>8</td>
<td>Optimization of agro-food chains and transformation processes under climate change</td>
<td>Rantsiou Kalliopi</td>
</tr>
</tbody>
</table>

*maybe some modules can be anticipated to November-December*

All didactic material, as well as online tests, are available through the Moodle platform.
All PhD students must attend this course (that will be held in Campus end of February-beginning of March) unless they attended this course at Unito (they were enrolled as students at Unito) less then 5 years ago.

Contents of the course.

- **First part**: Principi generali di sicurezza (Modulo di e-learning) - 4 hours on the Moodle platform
  https://elearning.unito.it/samev/course/view.php?id=3429
  At the end there is a test on-line

- **Second part**: Rischi specifici (Lezioni in presenza) - 8 hours (one single day)
  Le lezioni si terranno in presenza (Aula Magna A+B – Campus SAMEV Grugliasco)
Publications on non-ISI journals may give credits for the activity «Research dissemination» but some limits apply (max 6 credits in 3 years).

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>as a first author on a ‘Q1’ level journal</td>
<td>12</td>
</tr>
<tr>
<td>as a first author on a ‘Q2’ level journal</td>
<td>10</td>
</tr>
<tr>
<td>as a first author on a ‘Q3-Q4’ level journal</td>
<td>8</td>
</tr>
<tr>
<td>as first author on non-ISI journals</td>
<td>0</td>
</tr>
<tr>
<td>not as a first author on iSl journals</td>
<td>First author *0.5</td>
</tr>
<tr>
<td>not as a first author on non-iSl journals</td>
<td>0</td>
</tr>
</tbody>
</table>
PLEASE, READ CAREFULLY THE INSTRUCTION SECTION ON THE WEBSITE!
For administrative deadlines, refer to the UNITO web page and to MYUNITO account

<table>
<thead>
<tr>
<th>What</th>
<th>when</th>
<th>1° year</th>
<th>2° year</th>
<th>3° year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax payment</td>
<td>&lt; October</td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Annual research program</td>
<td>31 Jan (1° year)</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral presentation</td>
<td>September</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Annual report</td>
<td>Ca. mid-Sept</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Credit form</td>
<td>Ca. Mid-Sept</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
FURTHER SPECIFICATIONS

- Full time: you have to ask for authorization in case of work elsewhere
- Admission to the 2nd and 3rd year: oral presentation + tutor’s evaluation of the PhD student’s activities
- Thesis within 6 months after the end of the 3-years course, evaluated by 2 external reviewers for admission to final examination (3 or more members)
- No extension (6 months in case reviewers require major revisions)
## FINANCIAL SUPPORT

<table>
<thead>
<tr>
<th></th>
<th>With scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td>50% increase in scholarship when abroad</td>
<td>Yes</td>
</tr>
<tr>
<td>Travel &amp; insurance</td>
<td>Yes</td>
</tr>
<tr>
<td>Courses, seminars, conferences</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumables (&lt;1500)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Total amount is 5,250€, (typically 1,750€ per year, only for formative events, consumables, small equipments such as notebook that, at the end of the PhD will be the property of the department)
TUTORSHIP

You will have to choose/be assigned to
a) Supervisor (Academic)
b) Co-supervisor/s (Academic or non-Academic)
c) Mentor (intended for solving problems that cannot be solved with the Supervisor)

Supervisor/Co-supervisors and Mentor will be officially approved during the next «Collegio dei Docenti» (PhD Professor Board)

The role of the Supervisor is of CAPITAL IMPORTANCE. She/he will be your unvaluable guide over the whole PhD period. Please do not take decisions, ask information to PhD office, PhD coordinator, administrative staff, without a priori exchange with your Supervisor (or Co-supervisor)
IN CASE OF NON-SCIENTIFIC PROBLEMS

- In addition to your scientific supervisor, you’ve been assigned to an expert professor, member of the PhD board, who may help you to solve unpleasant situations. Matches will be done during next board meeting.

- Keep in mind that the University has the «consiglieria di fiducia» who gives advices on problems related to unfair behavior. It’s avv. Elena Bigotti consiglieradifiducia@unito.it

- The appropriate behavior is described in codice di comportamento (also from the SAFA website) https://www.unito.it/sites/default/files/decr_codice_comportamento_646_2016.pdf

- For more general matters on discrimination and else, UNITO has the Comitato Unico di Garanzia (CUG). https://www.unito.it/ateneo/organizzazione/organi-di-ateneo/comitato-unico-di-garanzia
CONTACT LEVELS

Central University PhD office (Ufficio Dottorati)

for administrative issues, certificates, scholarship, taxes, badge...

dottorati@unito.it

SAFA PhD Program

courses, seminars, certificates, thesis, any questions

dottorato.safa@unito.it
CONTACTS (SAFA PhD program)

Coordinator of the PhD Program:
  Prof. Domenico Bosco
  phone 8529, domenico.bosco@unito.it

Web manager:
  Dr. Silvia Cavalletto
  phone 8706, silvia.cavalletto@unito.it

Support to the PhD course (and Quality Insurance):
  Dr. Peter John Mazzoglio
  phone 8530, peter.mazzoglio@unito.it

all: dottorato.safa@unito.it
Implementation of AQ (Quality Insurance, AVA3) in the PhD Course

Our PhD Course, together with the one of Veterinary Sciences for Animal Health and Food Safety, have been chosen by Unito as a pilot project to implement AQ.

For this reason you might be interviewed, you will be asked to fill questionnaires on PhD student satisfaction....

Dr. Peter John Mazzoglio is responsible for this AQ project experimentation/implementation.
WEB SERVICES FOR PhD STUDENTS

PhD on the web (in order of relevance for your PhD activity)

1. **SAFA website**  [http://dott-safa.campusnet.unito.it](http://dott-safa.campusnet.unito.it)

1. **Portal UNITO/myUNITO**  
   - [www.unito.it](http://www.unito.it)
   - [http://en.unito.it/](http://en.unito.it/)
   - [http://www.chinese.unito.it/](http://www.chinese.unito.it/)

**Services:**  
- **U-GOV** (monthly payslip and CUD),  
- **ESCO** (travels and refunding),  
- **IRIS** (research products),  
- **TUTTO** (library on line),  
- **RUBRICA** (addresses and phone numbers), news and events...

- [http://www.unito.it/servizi/servizi-line/tutti-i-servizi-line](http://www.unito.it/servizi/servizi-line/tutti-i-servizi-line)  
- [http://en.unito.it/services/online-services/all-line-services](http://en.unito.it/services/online-services/all-line-services)

- **Services for University staff** → credentials as a worker (**SCU**)
  (e.g.: U-GOV for payslip, ESCO for refund)

- **Services for students** → credentials as a student
  (e.g.: **SAFA website**)

**Istruzioni e supporto / Help and support**

- [http://en.unito.it/services/online-services/help-and-support](http://en.unito.it/services/online-services/help-and-support)

**N.B.**
Nell’arco del mese successivo al perfezionamento dell’iscrizione, saranno attivate le credenziali da dottorando (SCU), così costituite:

- **Username**: generalmente (a meno di casi di doppio nome, doppio cognome o di omonimia) è formata dalla prima lettera del nome seguita dalle lettere del cognome fino ad un massimo di 8 caratteri (ad esempio: per l’utente Mario Rossetini la username corrisponde a mrossett)

- **Password**: la password predefinita corrisponde al codice fiscale digitato in maiuscolo

Le credenziali da dottorando **consentono** di accedere:

- alla MyUniTo Assegnista e Dottorando e alla Intranet di Ateneo
- alla webmail del personale dell’Ateneo (si veda di seguito)
- alla **piattaforma IRIS** (catalogo dei prodotti della ricerca) e ad altri servizi on line riservati al personale dell’Ateneo.

*Per motivi di sicurezza è obbligatorio il cambio della password ogni 6 mesi.*

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**Check (unfortunately it is only in Italian):**
We will ask you for «filling» your personal profile in the SAFA course website

**Profile**

**Dott. Mario Rossi**

- PhD: 36th cycle
- Department of Agricultural, Forest and Food Sciences
- Matriculation number: 812030
- ORCID: [orcid.org/0000-0003-4311-0528](https://orcid.org/0000-0003-4311-0528)

**Contacts**

- E-mail: [mario.rossi@unito.it](mailto:mario.rossi@unito.it)
- [VCard contacts](https://dott-safa.campusnet.unito.it/do/studenti.pl/Show?812030)
- [QRcode contacts](https://dott-safa.campusnet.unito.it/do/studenti.pl/Show?812030)

**Supervisor**

- Maria Bianchi

With some details on your scientific interest, your PhD project and your publications
What to do in preparation of the Advanced Statistics course of January-February

Please ask prof. Marco Pittarello at the R course (end of this month)

When you address the PhD Coordinator or dr Mazzoglio for support, please ALWAYS INDICATE, BESIDES YOUR NAME, YOUR CYCLE AND SUPERVISOR. This will greatly help us in answering you!!
How to manage ESCO Procedure for your budget

By Area Contabile
How to manage ESCO Procedure for your budget

By Area Contabile
ADMINISTRATIVE NORMS

- READ THE NORMS ON THE WEBSITE
- ALL EXPENSES NEED TO BE AUTHORIZED IN ADVANCE
- ALL REIMBURSEMENTS REQUIRE THE ORIGINAL INVOICES
- SOME PROCEDURES ARE AVAILABLE THROUGH YOUR MYUNITO PAGE (e.g. scholarship increase when abroad)
- SOME PROCEDURES (e.g. ESCO for travels) ARE THE SAME FOR ALL DISAFA PEOPLE therefore ASK YOUR SUPERVISOR when using it for the first time