



**Science and Technologies for the Earth and Environment (STAT)**

**Curriculum: Biology Applied to Agriculture and the Environment (COD 8253)**

**Curricula:**

**Earth Sciences (COD 9948)**

**Biology Applied to Agriculture and Environment (COD 9947)**

Title of the project

(Roman number) CYCLE

**PhD student: Name** **Tutor: Prof./Dr. Name**

**1st- 2nd-3rd Annual Progress Review**

**The PhD plan should not exceed 10 pages (font Fire Sans, 12 point font size, 20 mm margins on all sides) excluding front page, list of references and Activities carried out and CFU acquired chapter)**

1. **Project summary**

Short summary describing key justifications, methodology, and expected outcomes of the PhD study. A broad audience should be able to understand the summary.

1. **State of the art of the thesis topic and research goals**

Provide the preliminary background information to frame your study in a general context, i.e., the state of the art of the thesis topic based on an updated literature review.

1. **Materials and methods**

Planned research methodology: materials and methods to be applied, possible criteria of selection of study sites, selected experimental areas, scheduled field and/or laboratory activities, possible collaborations, etc.

1. **Results**

Description of the main results obtained so far.

1. **Discussion and perspectives**

Briefly explain how your findings will answer your research questions and how you plan to answer the open questions.

1. **Goals for the next year**

Indicate what you plan to do/hope to do next year.

1. **References**

**In the text**

All citations in the text should refer to:

1. Single author: the author's name (without initials, unless there is ambiguity) and the publication year

2. Two authors: both authors' names separated by ‘and’ and the publication year

3. Three or more authors: first author's name followed by 'et al.' and the publication year

Citations may be made directly (or parenthetically).

Groups of references can be listed either first alphabetically, then chronologically, or vice versa.

Examples: 'as demonstrated (Briguglio and Scambelluri, 1999; Scambelluri, 2000a, 2000b, 1999)’ or, ‘as demonstrated (Giordani et al., 1999; Mariotti, 2000)…’ or ‘Carpaneto et al. (2010) recently suggested …'

In the References

List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

Examples:

Reference to a journal publication:

Bosci T, Allen JM, Bellemare J, Kartesz J, Nishino M, Bradley BA. 2016. Plants’ native distributions do not reflect climatic tolerance. Diversity and Distributions 22: 615–624. https://doi.org/10.1111/ddi.12432

Reference to a journal publication with an article number:

Gilani SJ, Bin Jumah MN, Fatima F, Al-Abbasi FA, Afzal M, Alzarea SI, Sayyed N, Nadeem MS, Kazmi I. 2024. Hibiscetin attenuates lipopolysaccharide-evoked memory impairment by inhibiting BDNF/caspase-3/NF-κB pathway in rodents. PeerJ 12:e16795 https://doi.org/10.7717/peerj.16795

Reference to a book:

Conti F, Manzi A, Pedrotti F. 1992. Libro Rosso delle Piante Italiane. TIPAR, Roma.

Reference to a chapter in an edited book:

Fratianni S, Acquaotta F. 2017. The climate of Italy. In: Soldati M, Marchetti M. (Eds.), Landscapes and Landforms of Italy, 1s edn. Springer International Publishing, Swiss, pp 29–30. https://doi.org/10.1007/978-3-319-26194-2\_4.

Reference to a website:

APSnet: plant pathology online. St Paul (MN): American Phytopathological Association: 1994-2005 [accessed 2005 Jun 20]. http://www.apsnet.org/.

Reference to a dataset:

Karger DN, Conrad O, Böhner J, Kawohl T, Kreft H, Soria-Auza RW, Zimmermann NE, Linder HP, Kessler M. 2017. Data from: climatologies at high resolution for the earth’s land surface areas. Dryad Digital Repository. https://doi.org/10.5061/dryad.kd1d4

Reference to software:

R Core Team 2019. R: A Language and Environment for Statistical Computing. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>

Thorsten P. 2022. PMCMRplus: Calculate Pairwise Multiple Comparisons of Mean Rank Sums Extended. R package version 1.9.4. [https://CRAN.R-project.org/package=PMCMRplus](https://CRAN.R-project.org/package%3DPMCMRplus)

Dissertations and Theses

Macri' CN. 2020. Adaptations of plant species to environmental changes. Doctoral thesis, Università degli studi di Genova. https://iris.unige.it/retrieve/e268c4cc-08e4-a6b7-e053-3a05fe0adea1/phdunige\_337513.pdf

1. **Gant chart**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Year | Year 1 | Year 2 | Year 3 |
|  | Quarters | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Activities | %Completion |  |  |  |  |  |  |  |  |  |  |  |  |
| Task 1 | % |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 1.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 1.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 1.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Task 2 | % |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 2.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 2.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 2.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Task 3 | % |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 3.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 3.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtask 3.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Examples of task: data collection, data analysis, formulate research strategies and sampling design, write first draft, writing thesis

1. **Activities carried out and CFU acquired**

PhD Course in Science and Technology for Earth and Environment

|  |  |  |
| --- | --- | --- |
| Period | Course title | CFU |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Attended Seminars,

|  |  |  |  |
| --- | --- | --- | --- |
| Title | Speaker | Duration | CFU |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Participation PhD Summer or Winter Schools, Advanced training Courses and Workshops

|  |  |  |  |
| --- | --- | --- | --- |
| Period | Course title | Organizer | CFU |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Participation in Scientific meetings and Conferences

|  |  |  |  |
| --- | --- | --- | --- |
| Period | Title | Organizer | CFU |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Mobility for research periods

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Country and city | Host institution | Referent | Starting date | Ending date |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Publications

|  |  |  |
| --- | --- | --- |
| Article (Authors, title, journal, ecc.) | Quartile | CFU |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Presentations at scientific meetings, conferences; seminars

|  |  |  |  |
| --- | --- | --- | --- |
| Speaker | Title | Conference information | CFU |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Teaching or tutorial activities

Teaching: name of the course, name of the degree course, number of hours, teacher responsible of the course

Tutoring activity: number of hours, short description of the activity carried out

Additional activities

(if any)

Genova, October 14th, 2024

Signature of the student Signature of the supervisor