

CALL FOR APPLICATIONS FOR PLACES IN PH.D. COURSES  
XXXVII CYCLE – UNIVERSITY OF CATANIA  
MINISTERIAL DECREE N.1061 OF AUGUST 10 2021

Having regard to:

- Ministerial Decree n. 45/2013 containing the rules on the modalities of accreditation of universities and Ph.D. courses and the principles for the implementation of Ph.D. courses in the accredited universities and particularly art. 8, paragraph 2, concerning the possibility of different selection procedures with references to places reserved to graduates from foreign universities;
- The current Regulation of the University of Catania governing Ph.D. courses;
- The Call for applications for places in Ph.D. courses – XXXVII cycle of the University of Catania, issued with Rector's Decree n. 2152 of June 29 2021, and its subsequent modifications and integrations;
- Ministerial Decree n. 1061 "Allocation of financial resources for Ph.D. courses in the fields of Innovation and Green";
- Ministerial Decree n. 40 of 25/01/2018;
- Ministerial Communication prot. n. 7403 of 16/03/2021 "Guidelines for the accreditation of Ph.D. courses";
- The decisions of the Academic Senate of 28/09/2021 and of the Board of Trustees of the University of Catania of 30/09/2021 concerning Ph.D. courses – XXXVII cycle;
- The possibility of modifications and integrations of the call, if appropriate;
- All this considered;

the following Call is issued by the Rector of the University of Catania

**Art. 1 – Selection procedures**

1. In compliance with the premises, the University of Catania officially announces the selection procedures for places in the following Ph.D. courses of cycle XXXVII:

	PH.D. COURSE	Number of Scholarships Field: Innovation	Number of Scholarships Field: Green
1	Agricultural, food and environmental science	4	4
2	Basic and applied biomedical sciences	4	2
3	Traslational Biomedicine	2	1
4	Biotechnologies	3	2
5	Physics	3	3
6	Law	1	3
7	Computer Science	5	5
8	Systems, energy, computer and telecommunications engineering	5	5
9	Neuroscience	2	0
10	Educational processes, theoretical-transformative models and methods of research applied to the territory	1	1
11	Materials Science and Nanotechnologies	4	4
12	Chemical sciences	3	3
13	Earth and environmental science	1	3
14	Science of interpretation	2	1
15	Science for cultural heritage and production	1	2
16	Political science	1	1
17	Complex systems for physical, socio-economic and life sciences	3	2
18	Evaluation and mitigation of land and territorial risks	3	4
	<b>TOTAL</b>	<b>48</b>	<b>46</b>

2. For all the Ph.D. courses reported in the previous paragraph, places with scholarship are activated correlated to the following research themes:
  - a. Innovation, innovative technology and digital technology as methods to enhance human capital in the field of research and innovation;
  - b. Green themes (themes concerning the preservation of the ecosystem and biodiversity as well as the reduction of impacts of climate change and the promotion of sustainable development).

The places with scholarship advertised in this Call are additional to those already activated for the XXXVII cycle with Rector's Decree n. 2152 of June 29 2021.
3. For all the Ph.D. courses in the list included in paragraph 1, course activities begin on December 1 2021 and terminate on November 30 2024.
4. The effective activation of each of the places with additional scholarship reported in the table included in paragraph 1 of this article is subject to the judgement of admissibility to the funding through the National Operational Program "Research and Innovation" 2014-2020 issued by the Ministry of University and Research, General Secretariat, Research Division – Office III.
5. The effective activation of each of the places with additional scholarship reported in table included in paragraph 1 is also subject to assignation of the places with scholarship financed through University's funds, as in the Call for applications issued with Rector's Decree n. 2152 of June 29 2021.
6. Detailed information on each Ph.D. course, together with the number of scholarships and their sources of funding, is included in the annexed information sheets which constitute integral and substantial part of the Call (annexes 1 to 18).

### **Art. 2 Admission requirements**

1. Applications are open without regard to nationality or age to candidates who hold either a *Laurea (Vecchio Ordinamento)* or a *Laurea specialistica /magistrale* or any foreign degree suitable for access to Ph.D. courses in the country of origin by the deadline of the present call.
2. The suitability of the foreign degree is assessed by the selection committee with respect to the rules in force in Italy and in the country where the degree was issued and according to international agreements on degrees recognition.
3. Applications are also open to candidates regularly enrolled in their final year of *Laurea Vecchio ordinamento*, *Laurea specialistica/magistrale* or foreign degree course who obtain their final degree by no later than October 31 2021.  
 In case these candidates pass the selection procedure, their admission to the Ph.D. course is subject to the submission of a self-certification of degree completion (for holders of *Laurea Vecchio Ordinamento* or *Laurea Specialistica/Magistrale*) or a degree certificate (for holders of a degree issued by a foreign university) by no later than November 5 2021.  
 Failure to submit the aforementioned documents within the abovementioned deadline will lead to the exclusion from the doctoral program.
4. Specific entry requirements, additional to those already provided for in the paragraph of this article, are reported in the information sheets (annexes 1-18) which constitute integral and substantial part of the Call.
5. Applications are not open to candidates who previously benefited from a Ph.D. scholarship or a fraction of it (Regulations of the University of Catania governing Ph.D. courses issued with Rector's Decree n. 3361 of October 31 2019, art.24, paragraph 8).

### **Art. 3 – Application form**

1. The application form is web based and must be completed electronically through the University of Catania online application system available at <https://www.unict.it>servizi>portale> studenti – **NUOVO** according to

the guidelines in paragraph 10 of the present article from **September 30 2021 to October 15 2021, h. 12,00 (noon, Italian time).**

2. An application fee of € 30,00 as contribution to the costs for the organization of the selection procedure is required. The application fee must be paid according to the procedures described at paragraph. 10, let. i) of the present article by no later than **October 15 2021.**
3. The application form, to be completed either in Italian or in English, must contain the following data:
  - a) candidate's name and surname, fiscal code, date and place of birth, address (including postal code), telephone number and e-mail;
  - b) candidate's nationality;
  - c) name of the Ph.D. course for which the candidate intends to apply;
  - d) name of the candidate's degree;
  - e) disability with relative percentage, if any;
  - f) declaration of commitment to immediately communicate to the e-mail address [dottorati@unict.it](mailto:dottorati@unict.it) any change of address, telephone number or e-mail address;
  - g) express indication of candidature for a place reserved to graduates from foreign universities (for Ph.D. programmes including this type of places and for graduates meeting this requirement only);
  - h) candidate's address for videoconference;
  - i) declaration of acknowledgment of the content of the present call.
4. The following annexes must be attached to application form:
  - a) *Curriculum vitae et studiorum /Resume*, duly dated and signed, containing the authorization to the treatment of personal data according to the regulation in force;
  - b) One of the following documents concerning admission requirements:
    - for candidates with *Laurea Vecchio Ordinamento*, *Laurea specialistica* or *Laurea magistrale* issued by an Italian university:  
**Self-certification of successful completion of the degree course including the study plan, the transcript of records and the final grade;**
    - for graduates from foreign universities:  
**Bachelor and Master degree certificates (including transcript of records, final grade and date of the award of the degree) and request of equivalence (according to the form included in annex n.19, integral to this call);**
    - for candidates enrolled in the last year of *Laurea Vecchio Ordinamento*, *Laurea Specialistica* and *Laurea Magistrale* at any Italian Universities, who will complete the course and obtain the degree by no later than October 31 2021;  
**Self-certification of enrolment in the final year of the degree course, including transcripts of records;**
    - for candidates from foreign university who will complete their Master course and obtain the degree by no later than October 31 2021:  
**Bachelor degree certificate plus a certificate attesting the status of student in the final year, including transcripts of records.**
  - c) Research project pertaining one the research topic listed in the information sheet of the Ph.D. course for which the candidate wishes to apply. Candidates are required to report the title of the research project they intend to develop among those listed in the pertinent information sheet. For each Ph.D. course it is possible to submit one project for the research topic pertaining innovation and one research project pertaining *Green* themes;
  - d) List of publications with relative abstracts, if any;
  - e) Documents attesting the knowledge of the foreign language reported in the information sheet of the Ph.D. course chosen by the candidate as well as further linguistic skills or computer skills, if any;
  - f) Documents concerning the completion of further university courses;
  - g) Copy of a valid Identity document;
5. All annexes listed in par. 4 must be uploaded in PDF format onto the online application system one by one. When the size of a document exceeds the maximum size permitted by the online system, the document must be divided into two or more parts to be uploaded separately. No other format than PDF is accepted. All annexes

can be either in English or in Italian. Any annex in a language other than English or Italian must be accompanied by a legal translation in English or in Italian, under penalty of inadmissibility to evaluation.

6. Candidates who intend to apply for two or more different Ph.D. courses must complete two or more application forms separately and pay the application fee of **€ 30,00** for each application, without prejudice to the exemption from the payment of the application fee for candidates living in extra-EU countries.
7. Application forms will not be considered if either incomplete or submitted with different modalities or after the deadline indicated in this article. Furthermore, application forms will not be considered if the application fee is paid after the deadline indicated in par. 2 of this article.
8. Candidates are strongly advised to complete the application procedure well in advance of the expiration date of this call in order to avoid the clogging of the online system due to the volume of applications. The University is not responsible whereas the candidate cannot complete the application procedure because of unforeseeable circumstances, force majeure or any event not imputable to the university's administration.
9. Candidates are the sole responsible for the authenticity of the information included both in the application form and in the annexes. The university's administration is entitled to scrutinize the application forms and related annexes according to the legislation in force and exclude, in any moment and provided a proper motivation, those candidates whose applications do not comply with the requirements of this call.
10. In order to complete the application procedure, each candidate must:
  - a) Go to <https://www.unict.it>servizi>portale> studenti - **NUOVO** ;
  - b) Complete the registration entering his/her personal data in order to receive personal access credentials  
**(candidates already registered with the University's online system proceed from c);**
  - c) Enter his/her personal credentials in the login box in order to access to his/her personal account;
  - d) Once in his/her personal account, in the box "**Enrolment**" click in order "**Doctorate**" and "**Admittance test**";
  - e) Choose the Ph.D. course for which they intend to apply;
  - f) Enter the data required by the online system and check their correctness;
  - g) Upload all the documents required in par. 4 of this article in PDF format onto the online application system;
  - h) Confirm the data clicking the apposite confirmation command;
  - i) Pay the application fee according to the procedure provided for in the online system;
  - j) Print and save a copy of the confirmation of the completion of the application procedure.
11. Candidates with disability higher than 66% who need assistance during the examination must submit formal request to the University's Centre for the Integration and Assistance to people with disability and DSA, Via A. di Sangiuliano 259, 95131 Catania, tel. 095/7307182-189-188, e-mail: [cs.cinap@unict.it](mailto:cs.cinap@unict.it), website <http://www.cinap.unict.it/>, reporting the name of the Ph.D. course for which they have applied. This request must be submitted by no later than **July 29 2021, h. 16,00 (4,00 pm, Italian time)**.

#### **Art. 4 – Type of places**

1. The places with scholarship advertised in this call are with additional scholarships financed by the National Operational Program "Research and Innovation" 2014-2020, Axis IV "Education and research for the recovery ... – Action IV.4 – "Ph.D. course on themes pertaining Innovation" and Action IV.5 "Ph.D. courses on Green research themes of the National Operational Program 2020" until December 31 2023. After December 31 2023 the financial resources for the abovementioned scholarships will be the responsibility of the University of Catania. Financial resources can come from either the University budget or from agreements with public/private, national/foreign institutions with highly qualified facilities.
2. The Ph.D. Academic boards of the Ph.D. Courses listed in the article 1, paragraph 1, assign a research project to the selected candidates enrolled in the concerned Ph.D. course. This research project must be coherent with innovation themes (innovation, enabling technologies, digital) and green (preservation of the ecosystem, biodiversity, reduction of climate change impact and promotion of sustainable development).

3. The learning processes related to the abovementioned scholarships include:
  - a. a mandatory period of research and study at a private enterprise/company of minimum six (6) months and maximum (12) months;
  - b. a mandatory period of study and research at a foreign institution of six (6) months to be carried out by no later than December 31 2023.
4. The payment of the scholarship to the selected candidates will be done when the pertinent ministerial office in charge of the management of these scholarships confirms the funding of the related learning process. to the funding institutions as in paragraph 3, letters b and e.

### **Art. 5 – Selection procedures**

1. According to each Ph.D. information sheet (see art. 1), candidates' selection can be based on the evaluation of qualifications and oral examination.
2. As for the evaluation of qualifications, the following documents will be assessed:
  - *Curriculum vitae et studiorum*;
  - Certificates attesting the knowledge of the foreign language reported in the information sheet of the Ph.D. course chosen by the candidate, if any;
  - Publications, if any;
  - Research project focused on either a research topic related to innovation or to a topic related to *green* themes as reported in pertinent informative sheet.
3. The maximum aggregate score is 120 points  
 The pass mark is an aggregate 80 points out of 120 with minimum 40 out of 60 points in the evaluation of qualifications and 40 out of 60 points in the oral examination. Only candidates who receive 40 out of 60 points in the evaluation of qualifications can be admitted to the oral examination.  
 The evaluation of qualifications is based on the following criteria:
  - *Curriculum vitae et studiorum* max 30 points;
  - Certificates attesting the knowledge of the foreign language reported in the information sheet of the Ph.D. course chosen by the candidate, if any max 5 points;
  - Publications, if any max 5 points;
  - Research project max 20 points.
 Regarding the *Curriculum Vitae et Studiorum*, the selection committee will evaluate the completion of the degree course in due time, the final grade and/or the grade average point as well as all professional and/or educational experiences deemed worthy of evaluation.  
 The oral examination is based on:
  - Dissertation on the research project max 10 points
  - General knowledge of the themes of Innovation field or the themes related to the *Green* field max 20 points
4. The research project assessed by the selection committee in the phase of the evaluation of qualifications and provisionally discussed in the oral examination is not binding to the research subject effectively assigned to candidates admitted to any doctoral program, provided it is focused on a topic related to innovation or *green* themes.
5. The selection committee shall post the detailed criteria upon which the evaluation of qualifications and the oral examination will be based on the website of the Department offering the related Ph.D. course well ahead of the selection procedure.  
 Each Ph.D. selection committee is the sole responsible for the prompt publication of the results of the selection procedure.
6. The oral examination will be held in the dates, hours and places indicated each Ph.D. course information sheets annexed to this call. No written notice will be sent to candidates.

Any variation of the date, hour or place will be notified well in advance on [www.unict.it](http://www.unict.it) (section “*Bandi, gare e concorsi*”>”*Studenti e post laurea*”>”*Dottorati di ricerca*”). The aforementioned publication on the website, where appropriate, represents effective notification to candidates. No written notice will be sent to candidates.

Candidates admitted to written and oral examinations must bring with them an identity document.

7. Candidates admitted to the oral examination must bring with them an identity document. Considering the epidemiologic emergency, the oral examination will be held in the form of videoconference, without prejudice to the possibility to hold this examination in presence in accordance to the rules aimed at the containment of the epidemiologic emergency.
8. The candidate is full and sole responsible for the correct indication of the video conference address to be used by the selection committee for the oral interview. The candidate must be available in the date of the oral interview indicated in the related Ph.D. information sheet. The selection committee is entitled to arrange the time of the oral interview with the candidate. Before the oral examination, the candidate is required to exhibit his/her identity document.  
Failure to indicate the video conference address or the incorrect indication of the video conference address, the unavailability of the candidate on the day and hour established by the selection committee and the failure to exhibit the identity document represent causes of exclusion from the selection procedure.  
The University of Catania declines all responsibility for any unpredicted technical problem impeding the oral exam in the form of video conference interview.
9. The selection procedure must be completed by no later than **November 12 2021**.

#### **Art. 6 – Designation and tasks of the Selection Committee**

1. Each Selection Committee is composed according to art. 13 of the current Regulation of the University of Catania concerning Ph.D. courses.
2. Prior to the evaluation of qualifications, selection committees must establish the criteria of evaluation and assignation of points to each document to be assessed (*curriculum vitae et studiorum*, certificates attesting the knowledge of the foreign language reported in the information sheet of the Ph.D. course chosen by the candidate, publications and research project).  
In case of candidates who do not already hold the degree required to access a Ph.D. course, the selection committee must take into account the average grade related to exams passed by the candidate at the moment of the application in order to assess his/her academic career properly.
3. Prior to the oral examination, the selection committees must establish the criteria of arrangement and evaluation of these examinations.
4. Upon completion of the selection procedure, each selection committee draws up the list of successful candidates, ranked in descending order of score. Scores being equal, the younger candidate prevails (law 16.6.1998, n. 191). The list is signed by both the President and the Secretary of the Selection committee and is affixed to the Notice board of the University’s Department where the selection takes place and posted on the same Department’s website.

#### **Art. 7 – Lists of successful candidates**

1. The list of successful candidates eligible for Ph.D. places are issued through decree of the Rector of the University of Catania. The Rector’s Decrees will be posted on [www.unict.it](http://www.unict.it) (section “*Bandi, gare e concorsi*”>”*Studenti e post laurea*”>”*Formazione post laurea*”>”*Dottorati di ricerca*”).

### Art. 8 – Admission to Ph.D. courses

1. Candidates are admitted to Ph.D. programs according to the descending order on the list of selected candidates until all the places available within each course are allocated. Successful candidates eligible for a place in two or more Ph.D. course are requested to choose the Ph.D. course in which they intend to enroll.
2. Candidates are excluded if they do not comply with enrolment procedures (see art. 9) within the deadline indicated in a further notice. In this case the next candidate in the list in descending order of score becomes eligible to fill the vacant place.
3. Any places remained vacant due to renunciation of candidates preceding on the list can be allocated within November 30 2021.
4. Candidates admitted to Ph.D. courses are required to pay enrolment fees as stated in the following article 9.

### Art. 9 – Enrolment procedures

1. Candidates admitted to Ph.D. courses are officially appointed in a Rector's decree posted on the university's website [www.unict.it](http://www.unict.it) (section "Bandi, gare e concorsi">"Studenti e post laurea">"Dottorati di ricerca") by no later than November 17 2021.
2. Candidates in the ranking list must submit the enrolment form and pay the enrolment fee (as in paragraph 4, letter e)) according to the procedure indicated in paragraphs 3) and 4), **from November 17 2021 and by no later than November 22 2021, h. 12,00 (noon, Italian time)**. No personal notice will be sent to selected candidates.
3. In the enrolment form the candidate shall enter:
  - a) name and surname, fiscal code, date and place of birth (including post code), telephone number and e-mail address;
  - b) disability with indication of its percentage, where appropriate;
  - c) declaration to commit himself/herself to attend the Ph.D. course full time according to the provisions of the Academic board.
4. To complete the enrolment procedure candidates must:
  - a) go to <https://www.unict.it>>servizi>portale studenti-**NUOVO**;
  - b) log in to their account with the same credentials as those used during the application procedure;
  - c) once in their account in the box **Iscrizione** click the heading "**Dottorati**" and subsequently "**Domanda di immatricolazione**";
  - d) enter all the required details in the specific spaces and confirm them;
  - e) proceed with the payment of the enrolment fee according to the directory in the online system for an amount of:
    - € 356,00 in case of enrolment in a place with scholarship;
    - € 156,00 in case of enrolment in a place without scholarship;
    - € 16,00 for candidates with disabilities corresponding to 66% or more, whatever the type of place.
5. Following the ministerial admission of the scholarship to the funding and by no later than the closing date posted on [www.unict.it](http://www.unict.it) (Bandi, gare e concorsi> Studenti e Post laurea>Formazione Post laurea >Dottorati di ricerca), selected candidates will have to send to [dottorati@unict.it](mailto:dottorati@unict.it) the following documents in PDF format:
  - a) Document from the Italian National Institute for Social Security attesting the candidate's contributory role;
  - b) Declaration concerning the candidate's registration or non-registration with other forms of social security;
  - c) Copy of the fiscal code or health insurance card;

- d) Copy of a valid identity document;
  - e) Form including bank details necessary for the payment of the scholarship;
  - f) Declaration of acknowledgement that scholarships are exempted from income tax imposed on physical persons and that under no circumstances can they give assessments for the purpose of the career;
  - g) Declaration of acknowledgment that their right to be enrolled in a place in the chosen Ph.D. course will be lost in case the scholarship is not declared eligible to the funding by the Ministry of University and Research – General Secretariat – Research Division- Office III;
  - h) Declaration to commit themselves to carry out the assigned research project, the carry out the mandatory research period at the private enterprise/company (from minimum six(6) to maximum twelve (12) months) and the mandatory research period at the foreign institution (six (6) months) and to return the gross amount of the scholarship for the reference year in case of:
    - the mandatory internship at the private enterprise/company is not carried out;
    - the mandatory six-month internship at the foreign institution is not carried out by no later than December 31 2023;
    - the plan and the learning outcome of the project are modified without prior ministerial authorization;
    - negative assessment by the Ph.D. Academic board and subsequent non-admission to the following year of the doctoral program;
    - renunciation to the Ph.D. course;
    - failure to complete the course and receive the relative degree.
6. Enrolment forms submitted with modalities other than those indicated in this article or submitted after the deadline reported in the Rector's Decree mentioned in the previous paragraph 2 will not be considered. Enrolment forms without the payment of the due enrolment fee will not be considered either. The University of Catania declines all responsibility for failure to complete the enrolment procedure due to either facts not imputable to its administration or fortuitous event or force majeure.
  7. Candidates' failure to comply with the aforementioned provisions is considered equivalent to formal renunciation to the place in the Ph.D. course. Vacant places can be made available for other candidates on the ranking according to the descending order and until all vacant places are allocated. These candidates will be informed on enrolment procedures and deadline by means of an email sent to the email address indicated in the application form.
  8. The renunciation to a place in a Ph.D. program does not give the right to a refund of the enrolment fee even when the candidate has not attended any course activities.
  9. In case a scholarship is declared ineligible to the funding by the competent ministerial office in charge of the evaluation of the scholarship eligibility to funding, the candidate enrolled in the related place will lose the right to be enrolled in the Ph.D. program. The candidate will have the right to be refunded of the following:
    - € 200,00, enrolment fee
    - € 140,00, fee related to
  10. The mode of refund of the amounts listed in the previous article 9 will be properly indicated in a notice posted on [www.unict.it](http://www.unict.it) (section Bandi, gare e concorsi > Studenti e Post laurea > Formazione post laurea > Dottorati di ricerca).
  11. In order to allow a rapid allocation of the places to the candidates in the ranking list, selected candidates who intend to renounce to a Ph.D. place must send immediate written notice to [dottorati@unict.it](mailto:dottorati@unict.it). A copy of the identity card in PDF format must be attached to the notice of renunciation.
  12. Any variation of the enrolment procedure shall be duly communicated to the selected candidates in the same Rector's Decree reported in paragraph 2 of this article.
  13. By no later than November 15 of each year Ph.D. students must enroll in the following year. The enrolment is subject to the decision of the academic board according to art. 15, par. 4 of the Regulation of the University of Catania governing Ph.D. courses. Failure to renew the enrolment leads to the exclusion from the Ph.D. course.



## **Art. 10 - Scholarship**

1. Entitled candidates are granted a scholarship according to the law in force.
2. The scholarships, whose maximum duration corresponds to the duration of the Ph.D. course, are assigned to candidates in the ranking list, provided a comparative evaluation in terms of merit and according to the order of the list, and are confirmed with the candidate's admission the following year of the Ph.D. course.
3. Each scholarship amounts to € 15.343,28 per year, before taxes charged on the scholarship holder. This amount is adjusted according to increases established by the law. Unless there is an increase in the scholarship amount, which is not available at the moment, the net amount of each monthly salary of the scholarship (after tax deductions charged to the doctoral student) is **€ 1.132,57**.
4. The amount of the scholarship is increased up to 50% in correspondence and proportionally to study periods at foreign universities or research centres for no more than 18 months. Unless there is an increase in the scholarship amount, which is not available at the moment, the net amount of the 50% monthly increase (after tax deductions charged to the doctoral student) is **€ 566,29**.
5. Each doctoral student, either in a place with or without scholarship, is granted a research budget from the second year of Ph.D. course. Within the financial resources of the funding institution as in article 4, paragraph 3. Unless there is an increase provided by the pertinent legislation, this research budget amounts to **€ 1.884,57**. This budget can be used by the doctoral student to cover any costs concerning his/her research in Italy and abroad.  
The budget is transferred every year to the Department offering the Ph.D. course indicated in the information sheet. To access and use this budget, each doctoral student will need to refer to the financial division of the Department offering the Ph.D. course.
6. The payment of the scholarship is conditioned to the effective attendance to course activities and to the effective development of the research project assigned by the Academic Board and approved by the funding institution where appropriate. Any remains of the scholarship or fraction of it will be deposited in the administration coffers to be used in subsequent cycles of Ph.D. course.
7. The payment of the scholarship consists in a two-month salary for November and December for the first year and in monthly salaries for the remaining months.  
In case of doctoral students whose research activity begins after October 31 2021, the payment of the scholarship may consist in monthly salary from the beginning.  
Either way, payments are deferred to the month following the month of reference.
8. The provisions concerning tax benefit included in art. 4, Law 476/1984 apply to doctoral scholarships.
9. Scholarships cannot be cumulated with other financial contributions unless these latter are granted by national or international institutions and destined to research work abroad.  
To benefit from the contributions in the above paragraph additional conditions might be required which are expressly indicated in the program financing the contributions.
10. Candidates who have already benefited from a doctoral scholarship or even portion of it cannot be granted a scholarship for a second time.

## **Art. 11 – Rights and duties of Ph.D. Students**

1. With reference to further rights and duties of Ph.D. students, candidates are required to refer to articles 15, 16, 16-bis, 17 and 18 of the Regulation of the University of Catania for Ph.D. courses.

### Art. 12 –Treatment of personal data

1. With regard to the information about the treatment of the candidates' personal data, according to articles 12, 13 and 14 of the EU regulations on the treatment of personal data 2016/679 (GDPR) and article 13 of the legislative decree n. 196/2003 – candidates shall refer to annex 22 which constitutes integral part of the Call and to the informative webpage on the treatment of students personal data available at [https://www.unict.it/sites/default/files/files/Informativa%20studenti aprile%202021-DEF.pdf](https://www.unict.it/sites/default/files/files/Informativa%20studenti%20aprile%202021-DEF.pdf).

### Art. 13 – Officials in charge of procedure

1. According to art.5, subparagraph 1, of Law 241/90, the official in charge of the procedure is:
  - the chairperson of the selection committee with reference to the selection procedure, from the appointment of the committee members to the publication of the selection results;
  - Ms Antonella Taibi, with reference to the procedures connected to the present call;
  - Mr Salvatore Libertini, with reference to the procedures connected to foreign candidates.

### Art. 14 – Final measures

1. Any aspect related to Ph.D. course and not expressly covered in the present call is governed by Ministerial Decree 45/2013, the Ph.D. regulations in force at the University of Catania, International cooperation agreements, other legislation in force governing Ph.D. courses and the legislation in force.
2. For any information and/or explanations it is possible to contact the Ph.D. Students Office at the following contact details: [dottorati@unict.it](mailto:dottorati@unict.it); +39 095/73007212-257-260-261-263-952.

CATANIA, 30/09/2021

THE RECTOR  
(Prof. Francesco Priolo)

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<b>Ph.D. Course</b>	<b>AGRICULTURAL, FOOD AND ENVIRONMENTAL SCIENCE (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII- PON
<b>Field</b>	Agricultural science
<b>Duration</b>	3 years
<b>Department</b>	Department of Agriculture, Food and Environment
<b>Website</b>	<a href="http://www.di3a.unict.it/">http://www.di3a.unict.it/</a>
<b>Coordinator</b>	Prof. Alessandro Priolo
<b>Partner University</b>	Technical University of Lisbon
<b>Innovation themes</b>	<ol style="list-style-type: none"> <li>1) Development of innovative pesticide risk assessments toward wild and managed bees. Company : Eurofins</li> <li>2) Monitoring of the behavior of cattle in extensive breeding by means of computer systems based on the use of telecommunication networks of the Low Power radio type. Company: Trecastagni Catania</li> <li>3) Development of molecular markers for the traceability of plants and derived products (Farm to Fork) for the protection of the citrus sector. Company: AAT Oranfresh</li> <li>4) Economics and sustainability of innovation in the etna pdo wine supply chain. Company: ARI Castiglione di Sicilia</li> </ol>
<b>Green Themes</b>	<ol style="list-style-type: none"> <li>1) Towards a "zero mile" diet for ruminant feeding. A strategy to underpin sustainability, circularity and resilience of livestock systems and to mitigate the impact of feedstuffs transport, waste disposal, feeding costs and feed - to - food competition, while improving product quality. Company: Arca Mangimi</li> <li>2) Novel Plant biostimulants to improve sustainability and functional traits of pivotal Mediterranean crops: tomato and carrot. Company: Arterra Bioscience – Napoli</li> <li>3) Physiological and production evaluation of different populations of Sicilian varieties of ancient wheat. Company: Molino - Ferrara</li> <li>4) Eco - friendly agricultural reuse of potential high - value bioproducts from Biowaste. Company: ABT- Milano</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation themes : 4</li> <li>2) Green themes:4</li> </ol> <b>TOTAL: 8</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications;</li> <li>2) Oral examination (Oral examination can also be taken in videoconference form).</li> </ol>
<b>Date, place, format, language</b>	<p><b>Date: 12/11/2021 h 9.00 (November 12 2021, 9 am, Italian time)</b></p> <p>Place : Aula Jannaccone, Di3A, Via Valdisavoia, 5 Catania</p> <p>Format: Discussion of the research project - General knowledge of issues relating to innovation or green themes</p> <p>Language: English</p>

<b>Ph.D. Course</b>	<b>BASIC AND APPLIED BIOMEDICAL SCIENCES (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Medicine and Surgery
<b>Duration</b>	3 years
<b>Department</b>	Department of Biomedical and Biotechnological Sciences
<b>Sito dipartimento</b>	<a href="http://biometec.unict.it/">http://biometec.unict.it/</a>
<b>Coordinator</b>	Prof.ssa Stefania Stefani
<b>Partner University</b>	University of Barcelona (Spain)
<b>Innovation field</b>	<p>1) Title: Mutational pattern analysis and drug screening using computational biology, complex tumor models (tumor organoids) and digital PCR for the development of effective oncological therapies. Company involved: Clinical Diagnostic Center Casa di Cura Morgagni SpA</p> <p>2) Title: Silico platform for the development / evaluation / repositioning of drugs and vaccines to deal with pandemic and / or emergency conditions. Company involved: Mimesis S.r.l.</p> <p>3) Title: Development of a tracheal inhaler device in the management of the inflammation of tracheostomized subjects and of the dysbiosis of laryngectomized subjects with tracheal oesophageal speech implant. Company involved: ATOS Medical Italia</p> <p>4) Title: Digital augmented reality-navigation system in mandibular reconstruction: a viability study of application of virtual surgical guides. Company involved: MT Ortho S.r.l.</p>
<b>Green Field</b>	<p>1) Title: Reduction of environmental levels of benzene and its derivatives and monitoring of the health risk of workers with occupational exposure by identifying epigenetic alterations. Company involved: Petrol Company S.r.l.</p> <p>2) Title: Recovery of bioactive molecules, such as rosmarinic acid, from waste products of the processing of aromatic medicinal plants and evaluation of their phytotherapeutic, nutraceutical / health activity. Company involved: Boniser S.r.l.</p>
<b>Available places</b>	<p><b>1)</b> Innovation field: 4  <b>2)</b> Green field: 2  <b>TOTAL: 6</b></p>
<b>Selection procedure</b>	<p>1) Evaluation of qualifications (art.3, paragraph 4, call for applications)  2) Oral examination (the oral examination can also be taken in videoconference form)</p>
<b>Date, place, format, language</b>	<p><b>Data: 08.11.2021 - ore 11 (November 8 2021, 11 am, Italian time)</b>  Format:  - Discussion of the research project  General knowledge of innovation and green issues  -</p> <p>Language: English</p>

<b>Ph.D. course</b>	<b>TRASLATIONAL BIOMEDICINE (INTERNATIONAL)</b>
<b>Cicle</b>	XXXVII - PON
<b>Field</b>	Medicine and Surgery
<b>Duration</b>	3 years
<b>Department</b>	Department of Clinical and Experimental Medicine
<b>Department website</b>	<a href="http://www.medclin.unict.it">http://www.medclin.unict.it</a>
<b>Coordinator</b>	Prof. Carlo Vancheri
<b>Partner University</b>	University of Granada (Spain) University of Copenaghen (Spain)
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Modelling system dynamics of blood cancer evolution under microenvironment external driving forces di ricerca Silicon Carbide: Processes and Devices Electronics and Innovations: Company: STLab srl</li> <li>2) Telemedicine and digitalization of health services as a tool for managing patients with chronic respiratory disease: a model for the creation of "virtual clinics" - Company: Vivisol Italia</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Circular economy to improve public health through environmental policy and waste management: fighting global threats, antimicrobial resistance and pandemics. Company: WTC S.r.l. via Principe Nicola n. 18 , cap 95127 - Catania</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field : 2</li> <li>2) Green field:1</li> </ol> <b>TOTAL: 3</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications</li> <li>2) Oral examination (the oral examination can also be taken in videoconference form)</li> </ol>
<b>Date, place, format and language</b>	<b>Data: 08/11/2021 - h. 9.00 (November 8 2021, 9 am, Italian time)</b> <b>Place: Aula magna -Torre biologica "Latteri" via S.Sofia 97 Catania</b> Format: - Discussion of the research project - General knowledge of issues relating to innovation or green issues Language: English

<b>Ph.D. course</b>	<b>BIOTECHNOLOGIES (INTERNATIONAL)</b>
<b>Cicle</b>	XXXVII - PON
<b>Field</b>	INTERDISCIPLINARY
<b>Duration</b>	3 years
<b>Department</b>	Department of Biomedical and Biotechnological Sciences
<b>Department website</b>	<a href="http://biometec.unict.it/">http://biometec.unict.it/</a>
<b>Coordinator</b>	Prof. Vito De Pinto
<b>Partner institution</b>	University of Granada (Spain)
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) New systems for the prediction and diagnosis of musculoskeletal disorders by means of thermography applied to movement analysis. Company involved: Tecnobody - Bergamo</li> <li>2) 2) Development of functionalized prostheses with innovative coating with controlled release of antibacterials. Company involved: Novagenit srl, Mezzolombardo (TN)</li> <li>3) 3) Preclinical development and pharmaceutical formulation of natural and newly synthesized substances with an innovative mechanism of action for the treatment of neuropathic pain. Company involved: Enfarma S.r.l, Misterbianco (CT)</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Innovative strategies for the identification of genes involved in the water stress tolerance of the tomato root. Company involved: ISI Sementi S.p.a.</li> <li>2) Microbiome and plant health, beneficial bacteria for the eco-sustainable defense of tomatoes from stress. Company involved: Cheminova Italia - FMC Agricultural Solutions (BG)</li> </ol>
<b>Degrees required for admission</b>	<p>LM-6 Biology  LM-7 Agricultural biotechnology  LM-8 Industrial biotechnologies  LM-9 Medical, veterinary and pharmaceutical biotechnologies  LM-13 Pharmacy and industrial pharmacy  LM-17 Physics  LM-18 Informatics  LM-21 Biomedical Engineering  LM-41 Medicine and surgery  LM-42 Veterinary medicine  LM-54 Chemical Sciences  LM-67 Sciences and Techniques of Preventive and Adapted Motor Activities  LM-69 Agricultural sciences and technologies  LM-70 Food science and technology  LM-71 Sciences and technologies of industrial chemistry  LM-86 Zootechnical sciences and animal technologies</p> <p>6 / S (specialist in biology)  7 / S (specialists in agricultural biotechnology)  8 / S (specialists in industrial biotechnology)  9 / S (specialists in medical, veterinary and pharmaceutical biotechnologies)  14 / S (specialized in pharmacy and industrial pharmacy)  46 / S (specialists in medicine and surgery)  47 / S (specialist in veterinary medicine)  62 / S (specialists in chemical sciences)  77 / S (specialists in agricultural sciences and technologies)  78 / S (specialists in agri-food sciences and technologies)  79 / S (specialists in agro-zootechnical sciences and technologies)  81 / S (specialists in sciences and technologies of industrial chemistry)</p>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 3</li> <li>2) Green field: 2</li> </ol> <p><b>TOTAL: 5</b></p>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications (foreign candidates are required to have English language certification in addition to the qualifications referred to in Article 3, paragraph 4, of the competition notice)</li> <li>2) Oral exam in presence (for foreigners it is possible to take the oral exam also remotely, at the request of the interested party)</li> </ol>

<b>Date, place, format and language</b>	<b>Data 20 /10/2021, h 9,30 – October 20 2021, 9.30 am, Italian time</b>  Place: Torre Biologica – Biometec – Room to be designed  Format: <ul style="list-style-type: none"><li>- Discussion of the research project</li><li>- General knowledge of issues relating to innovation or green issues</li></ul> Language: English
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<b>Ph.D. Course</b>	<b>PHYSICS</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Mathematical, physical and natural sciences
<b>Duration</b>	3 years
<b>Department</b>	Department of Physics and Astronomy
<b>Department website</b>	<a href="http://www.dfa.unict.it/">http://www.dfa.unict.it/</a>
<b>Coordinator</b>	Prof. Sebastiano Albergo
<b>Partner Institution</b>	National Institute for Nuclear Physics
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1. Design of intelligent quantum sensors and networks based on Reinforcement Learning. Company involved: Leonardo S.p.a. head office: Piazza Monte Grappa, 4 - 00195 Rome, Catania office: via Alfredo Agosta snc c.da Palma Torrazze 95121</li> <li>2. Proton range measure using silicon carbide for conventional and laser - driven beams. Company involved: DE.TEC.TOR - Devices &amp; Technologies Turin Lungo Dora Voghera 36 / A - 10153 Turin - Italy</li> <li>3. Development and optimization of high resolution space - time biomolecular imaging techniques based on innovative detection systems. Company involved: Genoa Istruments S.r.l. Via Innocenzo Frugoni 15/7 - 16121 Genoa</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1. Development of innovative solid state detectors for monitoring and dosimetry of high intensity therapeutic beams. Company involved: STLab srl, via Anapo, 53 Catania</li> <li>2. Acoustic monitoring in the abyssal Mediterranean Sea. Company involved: Greendecision via Torino, 155 - Venice</li> <li>3. Neutron Sensing for water saving in agriculture. Company involved: Finapp srl via Valpolicella, 58 San Pietro in Cariano (VR)</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 3</li> <li>2) <i>Green field</i>:3</li> </ol> <b>TOTAL: 6</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications;</li> <li>2) Oral examination (the oral examination can also be taken in videoconference form)</li> </ol>
<b>Date, place, format and language</b>	Date: 03/11/2021, h 9:00 – November 3 2021, 9 am, Italian time Place: Dipartimento di Fisica e Astronomia “Ettore Majorana”, via S.Sofia 64, Catania Format: - Discussion of the research project - General knowledge of issues relating to innovation or green issues Language: Italiana or English



<b>Ph.D. Course</b>	<b>LAW (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Law
<b>Duration</b>	3 years
<b>Department</b>	Department of Law
<b>Department website</b>	<a href="http://www.lex.unict.it">http://www.lex.unict.it</a>
<b>Coordinator</b>	Prof. Anna Maria Maugeri
<b>Partner Institution</b>	University of Castilla – La Mancha (Spain)
<b>Innovation field</b>	1) Exercise of credit and technological innovation. Company involved: Popular Agricultural Bank of Ragusa
<b>Green field</b>	1) Distributed energy generation and energy communities. Company involved: Ambiens s.r.l., Energy and Environmental Lab 2) Business activity and environmental protection between compliance, prevention and repression. Company involved: ISAB srl 3) Taxes and tax breaks as tools for protecting the environment and promoting sustainable development: European dimension and national dimension. Company involved: Studio Uckmar, professional association
<b>Available places</b>	1) Innovation field : 1 2) Green field :3 <b>TOTAL: 4</b>
<b>Selection procedure</b>	1) Evaluation of Qualifications 2) Oral Examination (the oral examination can also be taken in videoconference form)
<b>Date, place, format and language</b>	Date: <b>27/10/2021 ore 09.00</b> October 27 2021, 9 am, Italian time Place: Dipartimento di Giurisprudenza – Via Gallo, 24 Catania Format: - Discussion of the research project - General knowledge of issues relating to innovation or green issues  Language: Italian (foreign candidates can choose between Italian, English or Spanish)

<b>Ph.D. Course</b>	<b>COMPUTER SCIENCE (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII -PON
<b>Field</b>	Mathematical, physical and natural science
<b>Duration</b>	3 years
<b>Department</b>	Department of Mathematics and Computer Science
<b>Department website</b>	<a href="http://web.dmi.unict.it">http://web.dmi.unict.it</a>
<b>Coordinator</b>	Prof. Sebastiano Battiato
<b>Partner institution</b>	University of Hertfordshire (U.K.)
<b>Innovation field</b>	<p>1) Models for the generation of synthetic virtual data for machine learning. Company involved: Informatica srl (TP) <a href="https://www.iinformatica.it">https://www.iinformatica.it</a> - Company contact: Dr. D. C. Sinitò</p> <p>2) Combining Machine Learning and Metaheuristics for Structural Damage Detection. Company involved: AC2 srl (CT) <a href="https://www.actwo.net/it/">https://www.actwo.net/it/</a> - Company contact: Dr. A. Cavallaro</p> <p>3) Study and development of unsupervised or semi supervised techniques for the detection of fake multimedia content (Deepfake, FakeNews, etc.) in the social field. Company involved: iCTLAB srl (CT) <a href="https://www.ictlab.srl/">https://www.ictlab.srl/</a> - Company contact: Dr. A. Barbaro Paratore</p> <p>4) Near real time audio analysis in homeland security. Company involved: CY4GATE SPA (ROME) <a href="https://www.cy4gate.com/it/">https://www.cy4gate.com/it/</a> - Company contact: Dr. Riccardo Rossi</p> <p>5) Long Range Video Understanding. Company involved: NexTVision srl (CT) - <a href="https://www.nextvisionlab.it/home">https://www.nextvisionlab.it/home</a> - Company contact: Dr. F. Ragusa</p>
<b>Green field</b>	<p>1) Data analysis technologies for predictive and prescriptive maintenance on photovoltaic systems. Company involved: M2D Technologies srl (CT) <a href="https://www.m2dtech/">https://www.m2dtech/</a> Company Contact: Dr. Davide Marano</p> <p>2) Study and development of multi-agent algorithms for the optimization of distributed generation based on electrical energy storage and photovoltaic production systems. Company involved: EnelX (CT) <a href="https://www.enelx.com/it/it">https://www.enelx.com/it/it</a> - Company contact: Dr. M. De Benedetti</p> <p>3) Ambient Aware Wearable Vision for Energy Saving in Industrial Sites. Company involved: Company: Xenia Progetti srl (CT) <a href="https://xeniaprogetti.it/">https://xeniaprogetti.it/</a> - Company contact: Ing. E. Ragusa</p> <p>4) Green and Smart Technologies for monitoring Climate Change: Artificial Intelligence to contrast Public Health threats. Company involved: Company: NeoDataLab <a href="https://www.neodatagroup.com/neodatalab/">https://www.neodatagroup.com/neodatalab/</a> - Company Contact: Dr. Giovanni Giuffrida</p> <p>5) Study of intelligent systems for preventive analysis of the vulnerabilities of industrial and infrastructural assets caused by extreme climatic events by means of drones and / or advanced sensors. Company involved: Company: RESINTEGRA (SR) <a href="https://www.resintegra.com/">https://www.resintegra.com/</a> - Company contact: Dr. D. Niciforo</p>
<b>Available places</b>	<p>1) Innovation field: 5</p> <p>2) Green field :5</p> <p><b>TOTAL: 10</b></p>
<b>Selection procedure</b>	<p>1) Evaluation of qualification</p> <p>2) Oral Examination (the oral examination can also be taken in videoconference form)</p>
<b>Date, place, format and language</b>	<p><b>Data: 4/11/21 – ore 9.30 – November 4 2021 – 9.30 am, Italian time</b></p> <p>Place: Dipartimento di Matematica e Informatica</p> <p>Format:</p> <p>1) Discussion of the research project</p> <p>2) General knowledge of the subjects of the Degree held by the candidate and / or issues related to the research doctorate</p> <p>Language: ...ENGLISH.....</p>

<b>Ph.D. COURSE</b>	<b>SYSTEMS, ENERGY, COMPUTER AND TELECOMMUNICATIONS ENGINEERING</b>
<b>Cycle</b>	XXXVII -PON
<b>Field</b>	Industrial and Computer Engineering
<b>Duration</b>	3 years
<b>Department</b>	Department of Electric, Electronic and Computer Engineering
<b>Department website</b>	<a href="http://www.dieei.unict.it/">http://www.dieei.unict.it/</a>
<b>Coordinator</b>	Prof. Paolo Arena
<b>Partner institution</b>	None
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Smart algal bio-based process digital control systems for value all products development and biochemical CO<sub>2</sub> conversion. Company involved: Plastica Alfa SpA</li> <li>2) Study and development of highly efficient electric vehicle charging systems with the integration of storage systems for fast-charging. Company involved: Enel -X</li> <li>3) Solutions based on "advanced" sensors for the digital transition. Company involved: Meridionale Impianti SpA</li> <li>4) Joint Video Saliency Prediction for Assessing Driver Attention to Road Elements for Automotive. Company involved: NetService srl</li> <li>5) Innovation and expansion of the target users for card handling systems: from PLC-based systems to microcontroller systems. Company involved: Otto Kuennecke Italia</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) New enabling technologies for very high efficiency photovoltaics. Company involved: Enel Green Power</li> <li>2) Standardization criteria for the introduction of hydrogen in the energy-transport chain of local rail transport. Company involved: Firema Trasporti S.p.A.</li> <li>3) Technologies and enabling services for the green transformation of the Italian power system. Company involved: Enel Produzione s.p.a. : Energy &amp; Commodity Management Italia</li> <li>4) GREEN resin for GREEN composite. Company involved: NTET</li> <li>5) Ebatronics: design and control for eco-sustainable dynamic systems. Company involved: Dipietro Group s.r.l. Garden City - Melilli (SR)</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 5</li> <li>2) Green field:5</li> </ol> <b>TOTAL: 10</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications</li> <li>2) Oral examination</li> </ol> For candidates residing abroad, the interview can be carried out electronically.
<b>Date, place, format, language</b>	<b>Date: 26/10/2021 ore 9 October 26 2021 9 am, Italian time</b> Place: Dipartimento di Ingegneria Elettrica Elettronica e Informatica. Format: <ol style="list-style-type: none"> <li>1) Discussion of the research project</li> <li>2) General knowledge of issues relating to innovation or green issues</li> </ol> Language: Italian and English

<b>Ph.D. Course</b>	<b>NEUROSCIENCE (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Medicine and Surgery
<b>Duration</b>	3 years
<b>Department</b>	Department of Biomedical and Biotechnological Science
<b>Department website</b>	<a href="http://biometec.unict.it/">http://biometec.unict.it/</a>
<b>Coordinator</b>	Prof. Claudio Bucolo
<b>Partner Institution</b>	University of Bordeaux (France)
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Gender differences underlying stress-related disorders: identification of susceptibility biomarkers and drug development for innovative therapeutic strategies: Angelini Roma</li> <li>2) Digital innovation in the field of "research &amp; development" in order to develop the pharmaceutical company system: Company involved: SIFI (Lavinio - Aci 5. Antonio - CT)</li> </ol>
<b>Green Field</b>	-
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 2</li> <li>2) Green field: -</li> </ol> <b>TOTALE: 2</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of Qualifications;</li> <li>2) Oral Examination (the oral examination can be taken in videoconference form)</li> </ol>
<b>Date, place, format and language</b>	<p><b>Data: 08/11/2021, h. 10:30 – November 8 2021, 10.30 am, Italian time</b></p> <p>Place: Torre Biologica, Via S. Sofia 97</p> <p>Format:</p> <ul style="list-style-type: none"> <li>- Discussion of the research project</li> <li>- General knowledge of issues relating to innovation or green issues</li> </ul> <p>Langugae: English</p>

<b>Ph.D. Course</b>	<b>EDUCATIONAL PROCESSES, THEORICAL-TRANSFORMATIVE MODELS AND RESEARCH METHODS APPLIED TO THE TERRITORY</b>
<b>Cycle</b>	XXXVII –PON
<b>Field</b>	Educational Science
<b>Duration</b>	3 years
<b>Department</b>	Educational Science
<b>Department website</b>	<a href="http://www.disfor.unict.it/">http://www.disfor.unict.it/</a>
<b>Coordinator</b>	Prof. Maria Tomarchio
<b>Partner Institution</b>	None
<b>Innovation field</b>	1) Digital tools and innovative methodologies to support the child's neurodevelopment. Company involved: Edizioni Centro Studi Erickson S.P.A. Trento
<b>Green field</b>	1) The Simeto ecomuseum. Experimentation of innovative practices for museum teaching. Company involved: Special company for the management of agro-forestry pastoral assets in the municipality of Troina
<b>Available places</b>	<b>1)</b> Innovation field: 1 <b>2)</b> Green field:1 <b>TOTAL: 2</b>
<b>Selection procedure</b>	1) Evaluation of qualifications 2) Oral Examination (the oral examination can also be taken in videoconference form)
<b>Date, place, format, language</b>	<b>Data: 20/10/2021, ore 9.00 – October 20 2021, 9 am, Italian time</b>  Place: Dipartimento di Scienze della Formazione, sede di Palazzo Ingrassia, Aula riunioni della ex Biblioteca, piano terra Format:  - Discussion of the research project - General knowledge of issues relating to innovation or green issues  Language: Italian or English

<b>Ph.D. Course</b>	<b>MATERIALS SCIENCE AND NANOTECHNOLOGIES</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Mathematical, physical and natural sciences
<b>Duration</b>	3 years
<b>Department</b>	Department of Chemical Sciences
<b>Department website</b>	<a href="http://www.dsc.unict.it/it/dottorato-scienza-dei-materiali-e-nanotecnologie">http://www.dsc.unict.it/it/dottorato-scienza-dei-materiali-e-nanotecnologie</a>
<b>Coordinator</b>	Prof. Giuseppe Compagnini
<b>Partner Institution</b>	None
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Study of surfaces and interfaces in heterostructures of SiC and GaN-based semiconductor compounds for the development of innovative power devices. Company involved: ST - Microelectronics - Str. Primosole, 50, 95121 Catania</li> <li>2) Development of nanostructured inorganic materials for biomedical applications. Company involved: Inova Biomedical Techonology srl with legal headquarters IN Catania via Napoli n. 116</li> <li>3) Development of new Perovskite synthesis and deposition processes for use in photovoltaic applications in coupling with monocrystalline silicon substrates. Company involved: Enel Green Power - 3SUN via Passo Martino 95121 - Catania</li> <li>4) Development of silicon carbide detectors with integrated amplification for the detection of neutrons and X-rays. Company involved: ATLab via Anapo n. 53, 95126 - Catania</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Polymer-based photo-active nano-composites to be applied on cement-based structures for the abatement of xenobiotic pollutants. Company involved: Ragusa Cementi - Contrada Tabuna, 97100 Ragusa</li> <li>2) Nanomaterials for sensors suitable for the determination of atmospheric pollutants of anthropogenic origin by means of drones. Company involved: Tèkne s.r.l. registered office via Arno n. 44 - 96100 Syracuse</li> <li>3) Study of epitaxial multilayers on silicon carbide in power devices for electrical automotive. Company involved: ST - Microelectronics - Str. Primosole, 50, 95121 Catania</li> <li>4) Development of innovative layers for crystalline silicon solar cells. Company involved: Enel Green Power - 3SUN - Via Passo Martino, 95121 Catania</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 4</li> <li>2) Green Innovation:4</li> </ol> <b>TOTAL: 8</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications;</li> <li>2) Oral examination (the oral examination can also be taken in videoconference form)</li> </ol>
<b>Date, place, format, language</b>	<p><b>Date: 03/11/2021, h. 9:30 November 3 2021, 9.30 am, Italian time</b>  Place: Dipartimento di Scienze Chimiche, Viale A.Doria 6 - Catania  Format:  - Discussion of the research project  - General knowledge of issues relating to innovation or green issues</p> <p>Language: Italian or English</p>

<b>Ph.D. Course</b>	<b>CHEMICAL SCIENCES (INTERNATIONAL)</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Mathematical, physical and natural sciences
<b>Duration</b>	3 years
<b>Department</b>	Department of Chemical Sciences
<b>Department website</b>	<a href="http://www.dipchi.unict.it/">http://www.dipchi.unict.it/</a>
<b>Coordinator</b>	Prof. Salvatore Sortino
<b>Partner institution</b>	University of Goteborg (Sweden) University of Western Brittany (France)
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Innovation in Antimicrobial Resistance: development of new antimicrobials and coadjuvants to successfully treat bacterial infections: Company: Fidia</li> <li>2) Development of nanostructured, macrocyclic -based carriers for the stabilization, transport and targeted release of antimicrobial/antiviral drugs. Company: Medivis</li> <li>3) Sensoristic devices for extreme environments. Company: Kayser Italia</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Exploitation of agricultural and forestry waste: from the recovery of bioactive compounds for nutraceutical applications, to the production of activated carbon for the development of innovative air treatment filters for the inactivation of viruses (including COVID) and bacteria. Company: NanoHub</li> <li>2) Bioinspired and green synthesis of nanoparticles with antiviral and antimicrobial properties for advanced wound care applications. Company: Eurofarm SPA</li> <li>3) Nanotechnologies for the control of emissions (Emission Control Area, ECA) and the decarbonisation of the Mediterranean basin. Company: LIFE4MEDECA</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field: 3</li> <li>2) Green field:3</li> </ol> <b>TOTAL: 6</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications</li> <li>2) Oral examination (the oral examination can also be taken in videoconference form)</li> </ol>
<b>Date, place, format, language</b>	<p><b>Data: 8/11 /2021 h. 15 November 8 2021, 3 pm, Italian time</b></p> <p>Place: Dipartimento di Scienze Chimiche</p> <p>Format:</p> <ul style="list-style-type: none"> <li>- Discussion of the research project</li> <li>- General knowledge of issues relating to innovation or green issues</li> </ul> <p>Language: English</p>

<b>Ph.D. Course</b>	<b>SCIENCE OF INTERPRETATION</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Humanities
<b>Duration</b>	3 years
<b>Dipartimento di afferenza</b>	Dipartimento di Scienze Umanistiche
<b>Department website</b>	<a href="http://www.disum.unict.it/">http://www.disum.unict.it/</a>
<b>Coordinator</b>	Prof. Antonino Sichera
<b>Partner Institution</b>	None
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) From ontologies to 'Graph Based' techniques: development of tools for the representation of knowledge for computational linguistics applications: Logogramma S.r.l. innovative start-up</li> <li>2) : Identification of a model for the digital edition of Hispanic texts: between text edition and teaching practice: duetre edizioni</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Sustainable Development Goals (SDG) and corporate communication: development of analysis tools (sentiment analysis, emotion detection) to measure how much corporate, institutional and social media communication in terms of sustainability is effectively aligned with the dimensions of the SDGs defined by the UN . Neodata group</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innvation field: 2</li> <li>2) Green field:1</li> </ol> <b>TOTAL: 3</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of qualifications</li> <li>2) Oral examination (the oral examination can also be taken in videoconference form)</li> </ol>
<b>Date, place, format and language</b>	<p><b>Data: 5/11/2021 h. 9:30 – November 5 2021, 9.30 am, Italian time</b></p> <p>Place: Dipartimento di Scienze Umanistiche</p> <p>Format:</p> <ul style="list-style-type: none"> <li>- Discussion of the research project</li> <li>- General knowledge of issues relating to innovation or green issues</li> </ul> <p>Language: English</p>



<b>Ph.D. Course</b>	<b>EARTH AND ENVIRONMENTAL SCIENCE</b> (Curriculum 1: GEOSCIENCE; Curriculum 2: ENVIRONMENTAL BIOLOGY AND BIOTECHNOLOGIES)
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Mathematical, Physical and Natural Sciences
<b>Duration</b>	3 years
<b>Department</b>	Department of Biological, Geological and Environmental Sciences
<b>Sito dipartimento</b>	<a href="http://www.dipbiogeo.unict.it/">http://www.dipbiogeo.unict.it/</a>
<b>Coordinator</b>	Prof. Agata Di Stefano
<b>Partner Institution</b>	None
<b>Innovation field</b>	1) How green is an industrial photovoltaic plant? Development of innovative geomatic techniques for the study of the environmental effects of industrial photovoltaic systems on the Sicilian territory (Quanto è realmente green un impianto fotovoltaico? Sviluppo di tecniche geomatiche innovative per lo studio delle ricadute ambientali degli impianti fotovoltaici industriali sul territorio siciliano) Company: E-prima (Nicolosi, CT)
<b>Green field</b>	1) Evaluation of the geothermal potential in Sicily and plant solutions to support the green transition; innovative techniques for remote monitoring and management of natural resources (Valutazione del potenziale geotermico in Sicilia e soluzioni impiantistiche a supporto della transizione verde; tecniche innovative per il monitoraggio e la gestione a distanza delle risorse naturali) Company: EarTherm Srl 2) Monitoring the extreme sea wave events by microseism in climate change scenarios: exploiting data from permanent seismic networks by means of innovative artificial intelligence algorithms (Monitoraggio degli eventi meteo-marini estremi in scenari di cambiamento climatico mediante il microseism: integrazione di dati acquisiti dalle reti sismiche permanenti con algoritmi innovativi di intelligenza artificiale) Company: AC2 (Zafferana Etnea, CT) 3) Assessment of space-time variations and restoration of marine forests for the purposes of biodiversity conservation and climate change mitigation (Valutazione delle variazioni spazio-temporali e ripristino di foreste marine ai fini della conservazione della biodiversità e della mitigazione dei cambiamenti climatici) Company: Shoreline soc.coop. (Trieste)
<b>Available places</b>	1) Innovation field: 1 2) Green field: 3 <b>TOTAL: 4</b>
<b>Selection procedure</b>	1) Evaluation of qualifications 2) Oral exam (to be carried out electronically via the Teams Office platform; the link will be advertised on the website of the Department of Biological, Geological and Environmental Sciences: <a href="http://www.dipbiogeo.unict.it/">http://www.dipbiogeo.unict.it/</a> )
<b>Date, place, format, language</b>	<b>Data: 28/10/2021, h. 09.00 – October 28 2021, 9 am, Italian time</b> Format: - Discussion of the research project - General knowledge of issues relating to innovation or green issues  Language of the interview: ITALIAN or ENGLISH Foreign language (which candidates must demonstrate knowledge of): ENGLISH

<b>Ph.D. Course</b>	<b>SCIENCE FOR CULTURAL HERITAGE AND PRODUCTION</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Humanities
<b>Duration</b>	3 years
<b>Department</b>	Department of Humanities
<b>Department website</b>	<a href="http://www.disum.unict.it/">http://www.disum.unict.it/</a>
<b>Coordinator</b>	Prof. Pietro Maria Militello
<b>Partner Institution</b>	None
<b>Innovation field</b>	1) In situ conservation and enhancement of submerged cultural assets: investigation protocols and innovative methodologies. 3D Research srl (3D Research Srl - Home) Via P. Bucci cubo 45c, 87036 - Rende, Cosenza - Italy email: info@3dresearch.it. Website: www.3dresearch.it/it.
<b>Green field</b>	1) 1) Experimentation of innovative green materials for the conservation and restoration of Cultural Heritage. Company involved: Piacenti S.P.A. - Restoration Center (Palermo office) via Marradi, 38 - 59100 Palermo tel 0574470464 Fax 057471021www.piacenti.org. 2) Preventive conservation: microclimate monitoring with innovative and environmentally friendly devices. Company involved: ST - Microelectronics - Str. Primosole, 50, 95121 Catania <a href="http://www.st.com/content/st_com/en.html">http://www.st.com/content/st_com/en.html</a> GSS Green Smart Solutions Srl via Romagnosi, 2 -96014 Florida Siracusa email: info@greensmartsolutions.eu <a href="http://www.linkedin.com/in/greensmartsolutions-srl-a614b5124/">http://www.linkedin.com/in/greensmartsolutions-srl-a614b5124/</a>
<b>Available places</b>	<b>1)</b> Innovation field: 1 <b>2)</b> Green field:2 <b>TOTAL: 3</b>
<b>Selection procedure</b>	1) Evaluation of qualifications; 2) Oral exam (which can also be carried out electronically, upon a reasoned request to be submitted by 25 October 2021)
<b>Date, place, format, language</b>	<b>Data: 29/10/2021, h 9,30. October 29 2021, 9.30 am</b> Place: locali del Dipartimento di Scienze Umanistiche. Format: - Discussion of the research project - General knowledge of issues relating to innovation or green issues - Knowledge of the English language  Language: Italian (English for foreign candidates)

<b>Ph.D. Course</b>	<b>POLITICAL SCIENCE</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Political Science
<b>Duration</b>	3 years
<b>Department</b>	Political and social sciences
<b>Department</b>	<a href="http://www.dsps.unict.it/">http://www.dsps.unict.it/</a>
<b>Coordinator</b>	Prof. Fabrizio Sciacca
<b>Partner institution</b>	None
<b>Innovation field</b>	<p>1) Participatory innovation and forms of democracy in the digital age. The so-called e-democracy, or electronic democracy, is strictly speaking a form of direct democracy or, in a broader sense, a form of digital innovation of democracy. Widespread participation in decision-making is an element that can be defined as structural, almost endogenous, of digital democracy. However, the traditional conception of the rights of liberty in this context seems to be in contradiction: the digital age appears to condition and distort the very concept of liberty rights. And there is therefore no doubt that institutions must promote education and training in the conscious use of the internet. These data could provide some stimulus to refine the attention on the so-called "net neutrality": the fact that the data transmitted and received on the internet must not contain any discrimination or interference. Finally, connected to this issue is the problem of the enlargement of democracy. electronics from a referendum model to a discursive and truly participatory model Company involved: Keix.com</p>
<b>Green field</b>	<p>2) Circular Economy and Agro-food supply chains: experiences and impact of the new sustainable fashion industries. The Conference of the Regions approved in 2016 a positioning document on the bioeconomy, as a contribution to the implementation of the "National strategy for smart specialization". The clusters and the technological and production chains that are developing in the regional territories can act as a driving force for the revolution of the bioeconomy, as they aim to make scientific and entrepreneurial excellence territorially coexist. The territories can develop a specific demand, in the form of public procurement, which encourages good practices in the field of environmental sustainability and the use of bio-based technologies and products. The proposed scholarship - within this thematic framework - would develop research activities on new value chains based on the integral and intelligent use of agricultural waste and specialized crops for industrial use to be carried out in marginal areas. The research activity is aimed at designing a link between agro-energy, bio-industries and the world of fashion, making use of the skills of the proposed company. Company involved: ORANGE FIBER (<a href="http://orangefiber.it/">http://orangefiber.it/</a>)</p>
<b>Available places</b>	<p>1) Innovation field: 1  2) Green field:1  <b>TOTAL: 2</b></p>
<b>Selection procedure</b>	<p>1) Evaluation of qualifications;  2) Oral examination  For candidates residing abroad, the oral exam can be carried out electronically.</p>
<b>Date, place, format, language</b>	<p><b>Data:05/11/2021 h 08:30 November 5 2021, 8.30 am, Italian time</b>  Place: Dipartimento di Scienze politiche e sociali, Via Vittorio Emanuele II 49, Catania</p> <p>Format:  - Discussion of the research project  - General knowledge of issues relating to innovation or green issues</p> <p>Language: Italian or English</p>

<b>Ph.D. Course</b>	<b>COMPLEX SYSTEMS FOR PHYSICAL, SOCIO-ECNOMIC AND LIFE SCIENCE</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Interdisciplinary
<b>Duration</b>	3 years
<b>Department</b>	Department of Physics and Astronomy
<b>Department website</b>	<a href="http://www.dfa.unict.it/">http://www.dfa.unict.it/</a>
<b>Coordinator</b>	Prof. Andrea Rapisarda
<b>Partner Institution</b>	None
<b>Innovation field</b>	<p>1) Research topic Models based on complex network techniques, artificial intelligence and big data for the recognition of "fake news"</p> <p>Company involved in the project (*) Neodata <a href="https://www.neodatagroup.com/">https://www.neodatagroup.com/</a></p> <p>2) Research topic Study of complex networks statistically validated for the recognition of groups of retail investors</p> <p>Company involved in the project (*) CC&amp;G of EURONEXT GROUP, Via Tomacelli, 146 00186 Rome, Italy</p> <p>3) Research topic Development of systems for advanced cancer diagnostics in connection with biomedical databases, using artificial intelligence and big data techniques</p> <p>Company involved in the project (*) IOM Ricerca</p> <p><a href="https://www.grupposamed.com/it/iom-ricerca">https://www.grupposamed.com/it/iom-ricerca</a></p>
<b>Green field</b>	<p>1) Research topic Models of integration of urban freight logistics in a MaaS (Mobility as a Service) platform</p> <p>Company involved in the project (*) Edisonweb <a href="https://www.edisonweb.com/">https://www.edisonweb.com/</a></p> <p>2) Research topic Implementation of "Building Calendar" solutions for the energy optimization of buildings.</p> <p>Company involved in the project (*) Synapses Company (Catania office)</p> <p><a href="https://www.synapseslab.com/">https://www.synapseslab.com/</a></p>
<b>Available places</b>	<p><b>1) Innovation field: 3</b></p> <p><b>2) Green field: 2</b></p> <p><b>TOTAL: 5</b></p>
<b>Selection procedure</b>	<p>1) Evaluation of qualifications;</p> <p>2) Oral examination (in videoconference form).</p>
<b>Date, place, format and language</b>	<p><b>Data: 04/11/2021, h. 9.30 November 4 2021, 9.30 am</b></p> <p>Format:</p> <ul style="list-style-type: none"> <li>- Discussion of the research project</li> <li>- General knowledge of issues relating to innovation or green issues</li> </ul> <p>Language: Italian</p>

<b>Ph.D. Course</b>	<b>EVALUATION AND MITIGATION OF LAND AND TERRITORIAL RISKS</b>
<b>Cycle</b>	XXXVII - PON
<b>Field</b>	Engineering and Architecture
<b>Duration</b>	3 years
<b>Department</b>	Department of Civil Engineering and Architecture
<b>Department website</b>	<a href="http://www.dicar.unict.it/">http://www.dicar.unict.it/</a>
<b>Coordinator</b>	Prof. Massimo Cuomo
<b>Partner Institution</b>	None
<b>Innovation field</b>	<ol style="list-style-type: none"> <li>1) Smart Roads and Vehicle automation for safer mobility Anas S.P.A.</li> <li>2) Development of innovative lightweight metamaterials for deformation energy absorption by means of 3D printing process- METAlight3D Crea3D srl</li> <li>3) Development of an integrated system for the mitigation of risks for navigation in port areas Sigma Ingegneria SRL</li> </ol>
<b>Green field</b>	<ol style="list-style-type: none"> <li>1) Evaluation of the economic convenience and environmental impact of the use of hydrogen for the decarbonisation of the energy supply chain - maritime transport transport Isotta Fraschini Motori S.P.A. Company of the Fincantieri group</li> <li>2) New binding materials and sustainable building products based on the reuse of pyroclastic fragments from the Etna Buzzi UNICEM volcano</li> <li>3) Development of an innovative process for the removal of persistent contaminants from AquaSoil Srl water</li> <li>4) Innovative design of an autonomous shape- adaptive underwater vehicle for quality deep water inspection- SeaMorphing CSP Fea</li> </ol>
<b>Available places</b>	<ol style="list-style-type: none"> <li>1) Innovation field : 3</li> <li>2) Green field:4</li> </ol> <b>TOTAL: 7</b>
<b>Selection procedure</b>	<ol style="list-style-type: none"> <li>1) Evaluation of Qualifications;</li> <li>2) Oral examination (the oral examination can also be take in videoconference form)</li> </ol>
<b>Date, place, format, language</b>	<p><b>Date: 25/10/2021 h. 9.00 – October 25 2021, 9 am, Italian time</b>  Oral examination in videoconference form  Format:  - Discussion of the research project  - General knowledge of issues relating to innovation or green issues</p> <p>Language: Italian or English</p>

**REQUEST OF EQUIVALENCE**

The undersigned.....(name and surname)  
born in .....(place of birth)  
on.....(date of birth)  
nationality .....  
requests to the selection committee for the Ph.D. course in  
..... cycle  
the recognition of equivalence to Laurea Magistrale of the following diploma:

Name of the master degree: \_\_\_\_\_

Awarding university: \_\_\_\_\_

Country: \_\_\_\_\_

Date of awarded diploma \_\_\_\_\_

Place and date,  
.....

Signature

.....



**Annex n. 20**

**INFORMAZIONE E ACCESSO AI DATI PERSONALI**

La presente informativa è resa ai sensi degli artt. 12,13,14 del Regolamento generale sulla protezione dei dati UE 2016/679 (GDPR) e dell'art. 13 del D.lgs.196/2003 in relazione ai dati personali di cui l'Università di Catania entra in possesso per lo svolgimento delle attività istituzionali.

Secondo la normativa di cui sopra, il trattamento è improntato ai principi di correttezza, liceità e trasparenza e di tutela della riservatezza e dei diritti dell'interessato.

***INFORMATION AND ACCESS TO PERSONAL DATA***

*This information is provided in compliance with articles 12, 13 and 14 of the general Regulation on the protection of personal data (EU 2016/679)(GRPD) and art 13 of the Legislative Decree n. 196/20033 with reference to the personal data of which the University of Catania gets hold in the implantation of institutional activities.*

*According to the abovementioned legislation, the processing of personal data is based on the principles of correctness, lawfulness and transparency as well as of protection of the privacy and rights of the interested person.*

**1) IDENTITA' E DATI DI CONTATTO DEL TITOLARE DEL TRATTAMENTO**

Il titolare del trattamento dei dati personali è l'Università degli studi di Catania con sede in piazza Università, 2 - 95131 CATANIA di cui il Magnifico Rettore prof. Francesco Priolo è il legale rappresentante:

e-mail: [rettorato@unict.it](mailto:rettorato@unict.it)

**1) IDENTITY AND CONTACT DETAILS OF THE DATA PROCESSOR**

*The data processor is the University of Catania, located in Piazza Università n.2, 95131, CATANIA, whose Rector, Prof. Francesco Priolo, is the legal representative:*

*e-mail: [rettorato@unict.it](mailto:rettorato@unict.it)*

**2) DATI DI CONTATTO DEL RESPONSABILE DELLA PROTEZIONE DEI DATI**

e-mail: [rpd@unict.it](mailto:rpd@unict.it)

PEC: [rpd@pec.unict.it](mailto:rpd@pec.unict.it)

**2) CONTACT DETAILS OF THE DATA PROTECTION MANAGER**

e-mail: [rdp@unict.it](mailto:rdp@unict.it)

certified e-mail: [rpd@pec.unict.it](mailto:rpd@pec.unict.it)



### 3) BASE GIURIDICA DEL TRATTAMENTO E FINALITÀ

Nel rispetto dei principi di liceità, correttezza, trasparenza, adeguatezza, pertinenza, necessità ed esattezza di cui all'art. 5 del GDPR, l'Università degli studi di Catania, in qualità di Titolare del trattamento, provvederà al trattamento dei dati personali forniti volontariamente dall'interessato all'atto della partecipazione, dell'iscrizione e durante il percorso formativo, e relativi all'interessato e/o ai suoi familiari, o raccolti da terzi (INPS) o formati dall'Ateneo relativamente alla carriera dell'interessato stesso per le finalità connesse allo svolgimento dei compiti istituzionali di pubblico interesse di cui è investito il titolare del trattamento.

In particolare, i dati di cui sopra saranno raccolti e trattati, con modalità manuale, cartacea e informatizzata, mediante il loro inserimento in archivi informatici e/o cartacei per la gestione amministrativa e didattica della carriera per il perseguimento delle seguenti finalità:

- a) partecipazione al bando di ammissione Dottorati di ricerca – ciclo XXXVII
- b) iscrizione al corso di dottorato di ricerca afferente al ciclo XXXVII
- c) gestione della carriera
- d) calcolo degli importi per le tasse dovute
- e) conseguimento dell'attestato di frequenza
- f) utilizzo dei servizi telematici e di posta elettronica
- g) invio e comunicazioni inerenti il percorso formativo
- h) accesso alle strutture di pertinenza del corso
- i) procedimenti di natura disciplinare
- l) archiviazione e conservazione dei dati inerenti il percorso formativo frequentato
- m) fruizione di contributi, agevolazioni e servizi
- n) statistiche senza possibilità di identificare l'utente.

### 3) *LEGAL BASIS OF DATA PROTECTION AND INTENTION*

*In compliance with the principles of lawfulness, correctness, transparency, adequacy, pertinence, necessity and exactness referred to in art. 5 of the GRPD, the University of Catania, as Data Processor, shall process the personal data provided by the interested person on a voluntary basis at the moment of the application for, enrolment for or during the study course and related to the interested person and/or his/her relative as well as the personal data collected by third parties (for examples, the National Institute for Social Security) or produced by the University with reference to the learning path of the interested person for the purposes connected to the institutional duties of public interest assigned to the data controller,*

*In particular, the abovementioned data will be collected and processed, in manual, paper and digital form, by means their filing with digital and paper archives for the administrative and didactical management of the study plan in order to pursue the following:*

- a) participation in the Call for application for places in Ph.D. programs – XXXVII Cycle*
- b) enrolment in the Ph.D. course related to XXXVII cycle*
- c) management of the study plan*
- d) calculation of the required tuition fees*
- e) attainment of the attendance certificate*
- f) use of online services and e-mail account*
- g) conveyance and communication concerning the study plan*
- h) access to course facilities*
- i) disciplinary procedures*





- l) filing and conservation of data concerning the learning path*
- m) benefit from contributions, facilitations and services*
- n) statistic data without personal identification*

#### **4) PARTICOLARI CATEGORIE DI DATI**

Per le finalità istituzionali di cui sopra, in situazioni specifiche potranno essere raccolte e trattate, su istanza dell'interessato, particolari categorie di dati quali:

- a) origine razziale ed etnica (per cittadini extracomunitari e per lo status di rifugiato)
- b) stato di salute (in caso di gravidanza o per studenti diversamente abili)
- c) dati giudiziari (per utenti e studenti detenuti)
- d) vita sessuale (per eventuali rettificazioni di attribuzioni di sesso).

#### **4) SPECIFIC DATA CATEGORIES**

*For the abovementioned institutional purposes, in specific situations the following data can be collected and processed upon request of the interested person:*

- a) racial and ethnic origins (for extra-EU citizens and for the refugee status)*
- b) state of health (in case of pregnancy and for disabled students)*
- c) judicial data (for sentenced users or students)*
- d) sex (for rectification of sex, when appropriate)*

#### **5) AMBITO DI COMUNICAZIONE E CATEGORIE DI SOGGETTI DESTINATARI**

L'Università consente il trattamento dei dati personali, per le finalità di cui al punto 3), al personale e ai collaboratori dell'Ateneo autorizzati al trattamento in relazione alle loro funzioni e competenze ed adeguatamente istruiti dal Titolare.

Il Titolare potrà comunicare i dati personali all'esterno a soggetti terzi, la cui attività risulta necessaria al conseguimento delle finalità indicate al punto 3) della presente informativa o nel caso in cui la comunicazione a soggetti terzi sia prevista da disposizioni comunitarie, norme di legge o regolamento.

I dati conferiti all'Università potranno essere comunicati agli enti pubblici, nazionali, regionali e locali, con i quali l'Università ha rapporti di scambio di informazioni al fine di adempiere ai propri compiti istituzionali.

I dati potranno essere diffusi in relazione ad adempimenti di obblighi di legge o dietro specifiche richieste da parte dell'interessato prima della conclusione del rapporto.

#### **5) SCOPE OF COMMUNICATION AND CATEGORIES OF ADDRESSEES**

*The University allows its personnel and collaborators, properly authorized to data processing with reference to their duties and competences and duly instructed by the Data controller, to process personal data for the purposes listed in point 3).*

*The Data Controller can communicate personal data to thirds whose activity is necessary for the purposes listed in point 3) of this information sheet or in case this communication to thirds is imparted by EU legislation, laws or regulations.*

*The data delivered to the University might be subject to communication to public institutions, either national, regional or local, with which the University exchanges information in order to comply with its own institutional duties.*



*The data might be disclosed with reference to the fulfillment of law provisions or upon specific request of the interested person before the termination of his/her own relationship with the University.*

#### **6) TRASFERIMENTO DATI ALL'ESTERO**

Il Titolare potrà trasferire i dati personali verso un paese con sede al di fuori dell'Unione europea qualora l'attività risulti necessaria al conseguimento delle finalità istituzionali indicate al punto 3) della presente informativa.

Il Titolare assicura fin d'ora che qualora si renda necessario il trasferimento dei dati per le finalità di cui all'art. 3), a Paesi extra UE o ad organizzazioni internazionali, esso potrà avvenire solo verso Paesi terzi rispetto ai quali esiste una decisione di adeguatezza della Commissione Europea (art.45 GDPR) oppure verso Paesi terzi che forniscono una delle garanzie indicate come adeguate dall'art.46 del GDPR.

#### **6) TRANSFER OF THE DATA ABROAD**

*The Data Controller can disseminate personal data to an extra-EU country if the this activity is necessary to the fulfillment of the institutional purposes listed in point 3) of this information sheet.*

*The Data Controller guarantees from this moment on that, whereas the transfer of the data to extra-EU countries or to International Organizations is necessary for the purposes listed in point 3), it will be possible to third countries for which and adequacy decision of the European Commission has been issued (article 45 of GDPR) or to third countries ensuring one the safeguards referred to as appropriate in article 46 of the GDPR.*

#### **7) PERIODO DI CONSERVAZIONE DEI DATI**

I dati personali saranno trattati secondo i principi previsti dall'art. 5, comma 1 lettera e) del Regolamento UE 2016/679.

I dati personali inerenti la carriera universitaria del corsista saranno conservati illimitatamente, in base agli obblighi di archiviazione imposti dalla normativa vigente.

I dati raccolti, non sottoposti a conservazione illimitata, saranno conservati per il tempo stabilito dalla normativa vigente o da Regolamento d'Ateneo o comunque per il tempo strettamente necessario a conseguire gli scopi per cui sono stati raccolti.

I dati relativi a eventuali procedimenti disciplinari saranno conservati illimitatamente relativamente al provvedimento finale definitivo e per 5 anni in caso di revoca o annullamento del provvedimento finale.

I dati personali saranno trattati con l'impiego di misure di sicurezza idonee ad impedire l'accesso ai dati da parte di personale non autorizzato ed a garantire la riservatezza e l'integrità degli stessi.

#### **7) PERIOD OF CONSERVATION OF THE DATA**

*The data will be processed according to the principles provided for in art.5, paragraph 1, letter e) of the Regulation EU 2016/679.*

*Personal data concerning the learning path of the student will be kept unlimitedly, on the basis of the obligations of filing provided for by the legislation in force.*



*The collected data, which are not subject to unlimited conservation, will be kept for the period defined by the legislation in force or for the Regulation of the University or, in any case, for the time strictly necessary to fulfill the purposes for which they have been collected.*

*The data concerning disciplinary proceedings will be unlimitedly kept with reference to the definitive sentence or for five years in case of discharge or cancellation of the sentence.*

*Personal data are processed by means of security measures able to prevent non-authorized personnel from accessing the data and to guarantee the confidentiality and integrity of the data themselves.*

#### **8) CONFERIMENTO DEI DATI**

Il conferimento dei dati personali relativi ai servizi di cui al punto 3) è da ritenersi obbligatorio. L'eventuale rifiuto comporta l'impossibilità di svolgere le operazioni necessarie all'instaurazione del rapporto e all'erogazione dei servizi richiesti.

#### **8) PROVISION OF THE DATA**

*The provision of personal data related to the services listed in point 3) is deemed mandatory. Any refusal leads to the impossibility to perform the duties necessary to the establishment of the relationship with the administration and the provision of the required services.*

#### **9) DIRITTI DELL'INTERESSATO E MODALITÀ DI ESERCIZIO DEI DIRITTI**

L'interessato, ha diritto di richiedere all'Università degli Studi di Catania, quale Titolare del trattamento, ai sensi degli artt.15, 16, 17, 18, 19 e 21 del GDPR:

- l'accesso ai propri dati personali ed a tutte le informazioni di cui all'art.15 del GDPR;
- la rettifica dei propri dati personali inesatti e l'integrazione di quelli incompleti;
- la cancellazione dei propri dati, fatta eccezione per quelli contenuti in atti che devono essere obbligatoriamente conservati dall'Università e salvo che sussista un motivo legittimo prevalente per procedere al trattamento;
- la limitazione del trattamento nelle ipotesi di cui all'art.18 del GDPR.

Ha inoltre il diritto:

- di opporsi al trattamento dei propri dati personali, fermo quanto previsto con riguardo alla necessità e obbligatorietà del trattamento dati per poter fruire dei servizi offerti;
- di revocare il consenso eventualmente prestato per i trattamenti non obbligatori dei dati, senza con ciò pregiudicare la liceità del trattamento basata sul consenso prestato prima della revoca.

Per l'esercizio dei diritti è possibile rivolgersi al Titolare all'indirizzo di posta [rettorato@unict.it](mailto:rettorato@unict.it) o PEC [protocollo@pec.unict.it](mailto:protocollo@pec.unict.it)

Il Titolare è tenuto a rispondere entro un mese dalla data di ricezione della richiesta, termine che può essere esteso fino a tre mesi nel caso di particolare complessità dell'istanza.



### 9) **RIGHS OF THE INTERESTED PERSON AND MODES OF EXERCISE OF THE RIGHTS**

According to articles 15,16,17, 18, 19 and 21 of the GDPR, the interested person has the right to request to the University of Catania as Data Controller:

- the access to his/her own personal data and all the information reported in article 15 of the GDPR;
- the rectification of his/her own personal data, when incorrect, and the integration of those that are incomplete;
- the erasure of his/her own data, with the exception to those that are reported in documents that must be mandatorily kept by the University and unless there is a prevailing legal reason to proceed with the processing of the data;
- the restriction of the processing in the cases reported in article 18 of the GDPR.

He/she also has the right

- to oppose to the processing of his/her own personal data, without prejudice to the provisions concerning the necessity and obligation of data processing in order to benefit from the offered services;
- to revoke the permission, previously agreed, to the non-mandatory processing of data, without prejudice to the lawfulness of the processing based on the permission agreed before the revocation.

For the exercise of these rights it is possible to refer to the Data Controller e-mail [rettorato@unict.it](mailto:rettorato@unict.it) o legally certified e-mail [protocollo@pec.unict.it](mailto:protocollo@pec.unict.it)

The Data Controller shall reply within a month from the receipt of the request, a deadline which can be extended up to three months in case of particular complexity of the request.

### 10) **RECLAMO**

L'interessato ha il diritto di proporre reclamo a un'autorità di controllo (Autorità Garante per la protezione dei dati personali - [www.garanteprivacy.it](http://www.garanteprivacy.it)).

### 10) **COMPLAINT**

The interested person has the right to complain to a Control Authority (Authority for the Guarantee of Data Protection - [www.garanteprivacy.it](http://www.garanteprivacy.it))

### 11) **MODIFICHE ALL'INFORMATIVA**

La presente informativa può subire variazioni e aggiornamenti.

### 11) **MODIFICATION TO THE INFORMATION**

The information provided in this information sheet might be subject to modification