

Next-generation membrane technologies for sustainable exploitation of seawater brine resources: transition towards a "circular blue industry

[EXBRINER]

GUIDE FOR APPLICANTS

Individual Research Project n.1

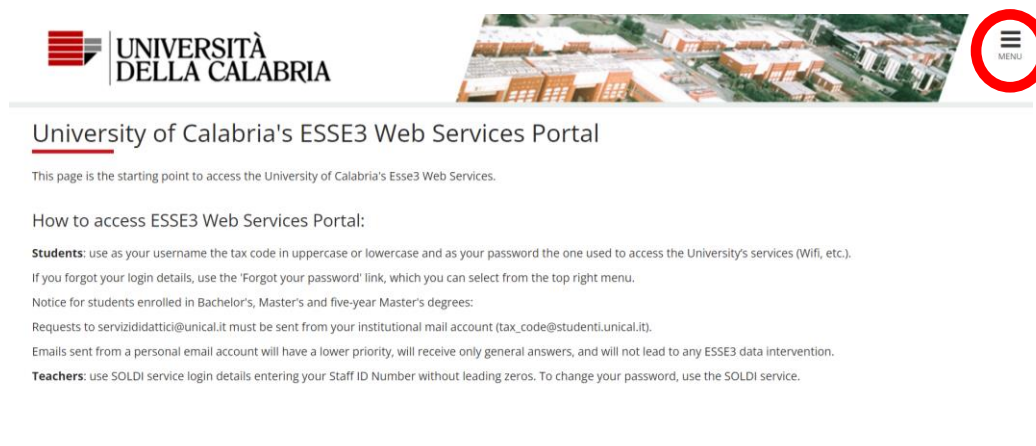
Application Deadline	March 24, 2023
Title	Prototyping & Digital Twin, exergo-economic analysis and Life Cycle Assessment of the integrated membrane system
Code	EXBRINER-01_UNICAL
Objectives	Building and running a lab-scale prototype of the integrated membrane system for water, energy and mineral recovery; evaluate the economic potential of the recovered minerals.
Home Institution	UNIVERSITA' DELLA CALABRIA (Department of Environmental Engineering). PhD School in Science and Engineering of the Environment, Construction and Energy (SIACE)
Supervisor (s)	Prof. Efrem Curcio, Prof. Sergio Santoro
Secondments	Aalborg Universitet (Department of Chemistry and Bioscience, Prof. Cejna Anna Quist-Jensen) Universitat Politècnica de Catalunya (Department of Chemical Engineering, Prof. Jose Luis Cortina) FCC AQUALIA SA (Dr. Juan Arévalo Vilches)
Contact(s)	efrem.curcio@unical.it ; sergio.santoro@unical.it
Info	https://exbriner.unical.it/
Url – Call for Application	Call for application: https://unical.portaleamministrazionetrasparente.it/archivio22_bandi-di-concorso_0_12410_874_1.html Application procedure: https://unical.esse3.cineca.it/Root.do?sessionId=ADECEF36AD288B5B6B221532D160F69E.ess_e3-unical-prod-02?cod_lingua=eng Call on Euraxess: https://euraxess.ec.europa.eu/jobs/64858

Step 1: Registration on University of Calabria's ESSE3 Web Services Portal

Link:

https://unical.esse3.cineca.it/Root.do?sessionId=ADECEF36AD288B5B6B221532D160F69E.esse3-unical-prod-02?cod_lingua=eng

1. Go to the link → Menu



University of Calabria's ESSE3 Web Services Portal

This page is the starting point to access the University of Calabria's Esse3 Web Services.

How to access ESSE3 Web Services Portal:

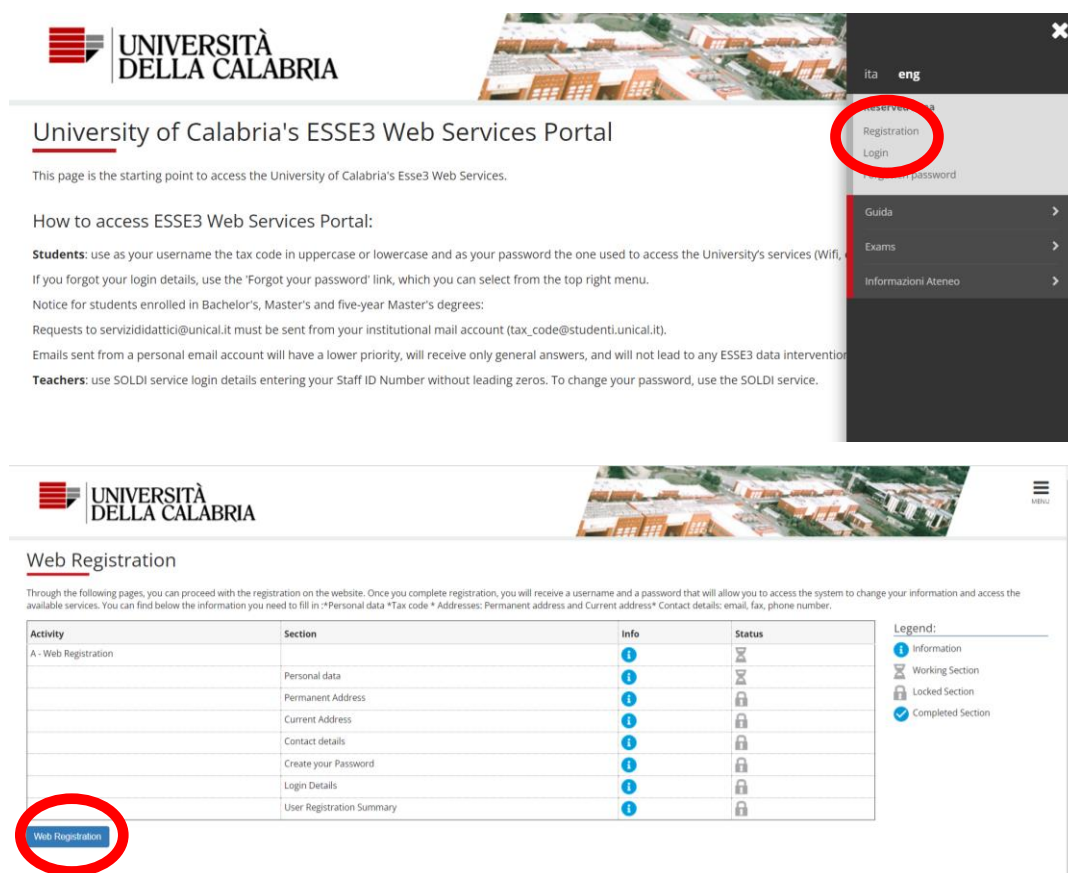
Students: use as your username the tax code in uppercase or lowercase and as your password the one used to access the University's services (Wifi, etc.).
If you forgot your login details, use the 'Forgot your password' link, which you can select from the top right menu.

Notice for students enrolled in Bachelor's, Master's and five-year Master's degrees:
Requests to serviziididattici@unical.it must be sent from your institutional mail account (tax_code@studenti.unical.it).

Emails sent from a personal email account will have a lower priority, will receive only general answers, and will not lead to any ESSE3 data intervention.

Teachers: use SOLDI service login details entering your Staff ID Number without leading zeros. To change your password, use the SOLDI service.

2. Registration→Web Registration



University of Calabria's ESSE3 Web Services Portal

This page is the starting point to access the University of Calabria's Esse3 Web Services.

How to access ESSE3 Web Services Portal:

Students: use as your username the tax code in uppercase or lowercase and as your password the one used to access the University's services (Wifi, etc.).
If you forgot your login details, use the 'Forgot your password' link, which you can select from the top right menu.

Notice for students enrolled in Bachelor's, Master's and five-year Master's degrees:
Requests to serviziididattici@unical.it must be sent from your institutional mail account (tax_code@studenti.unical.it).

Emails sent from a personal email account will have a lower priority, will receive only general answers, and will not lead to any ESSE3 data intervention.

Teachers: use SOLDI service login details entering your Staff ID Number without leading zeros. To change your password, use the SOLDI service.

Web Registration

Through the following pages, you can proceed with the registration on the website. Once you complete registration, you will receive a username and a password that will allow you to access the system to change your information and access the available services. You can find below the information you need to fill in: *Personal data *Tax code * Addresses: Permanent address and Current address* Contact details: email, fax, phone number.

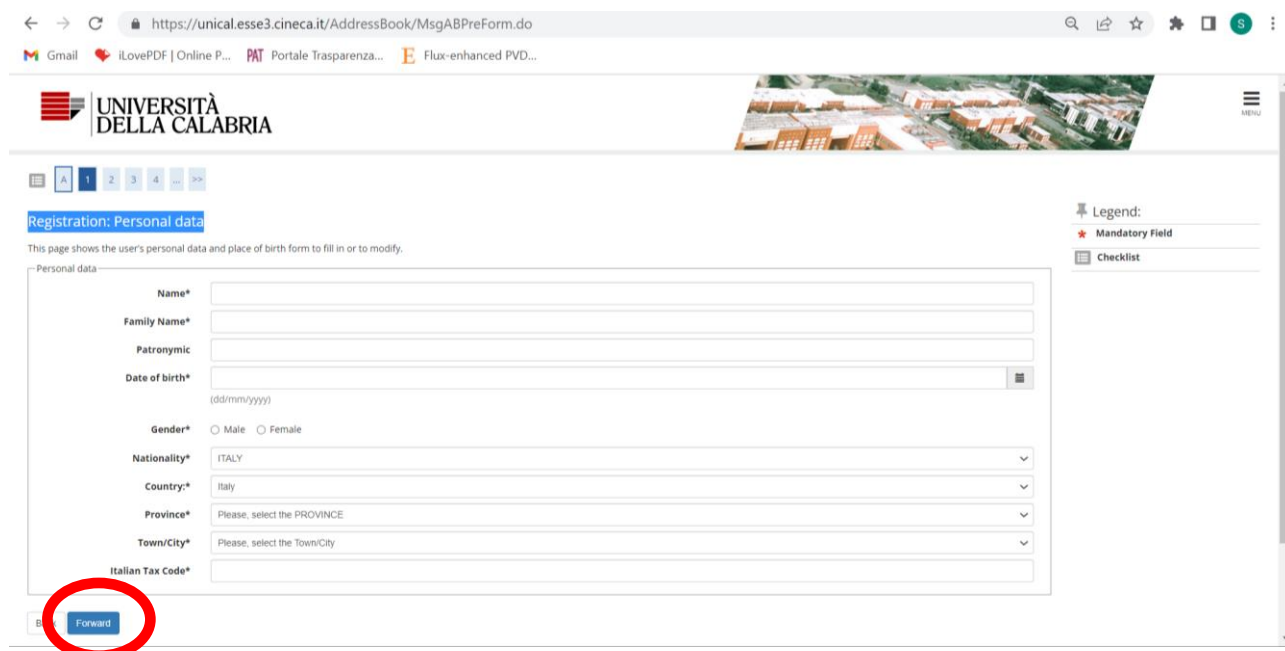
Activity	Section	Info	Status
A - Web Registration			
	Personal data		
	Permanent Address		
	Current Address		
	Contact details		
	Create your Password		
	Login Details		
	User Registration Summary		

Legend:

- Information
- Working Section
- Locked Section
- Completed Section

3. Registration: Personal data

Add your personal data → Forward



Registration: Personal data

This page shows the user's personal data and place of birth form to fill in or to modify.

Personal data

Name*

Family Name*

Patronymic

Date of birth* (dd/mm/yyyy)

Gender* ☐ Male ☐ Female

Nationality*

Country*

Province*

Town/City*

Italian Tax Code*

Legend:

- Mandatory Field
- Checklist

Forward

Example:

Personal Data

Name

MARIE

Family Name

CURIE

Patronymic

Gender

Male

Date of birth

09/02/1988

Nationality

FRANCE

Country of birth

FRANCE

The Town/City entered was not found among those listed.

PARIS

Italian Tax Code

CRUMRA99B09Z110D

Marital status

Note:

The website will automatically generate an Italian Tax Code

4. Registration: Permanent address

Add your Permanent address → Forward



Example:

Permanent address

Country

FRANCE

Town/City not listed

PARIS

ZIP CODE

Locality

Saint Denis

Address

Rue Da Vinci

Street no.

1

Phone number

003900000000

Current address is the same as permanent address

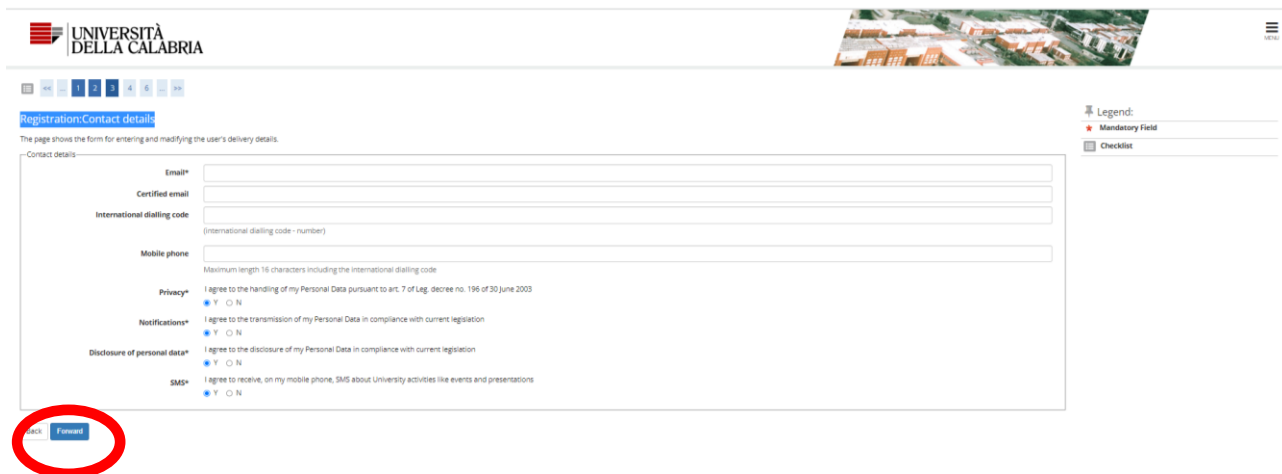
Y

Note:

If your current address is different than the permanent; both addresses must be added.

5. Registration: Contact details

Add your contact info → Forward



Registration: Contact details

The page shows the form for entering and modifying the user's delivery details.

—Contact details—

Email*

Certified email

International dialling code
(international dialling code - number)

Mobile phone
Maximum length 16 characters including the international dialling code

Privacy* ☒ Y ☐ N
I agree to the handling of my Personal Data pursuant to art. 7 of Leg. decree no. 196 of 30 June 2003

Notifications* ☒ Y ☐ N
I agree to the transmission of my Personal Data in compliance with current legislation

Disclosure of personal data* ☒ Y ☐ N
I agree to the disclosure of my Personal Data in compliance with current legislation

SMS* ☒ Y ☐ N
I agree to receive, on my mobile phone, SMS about University activities like events and presentations

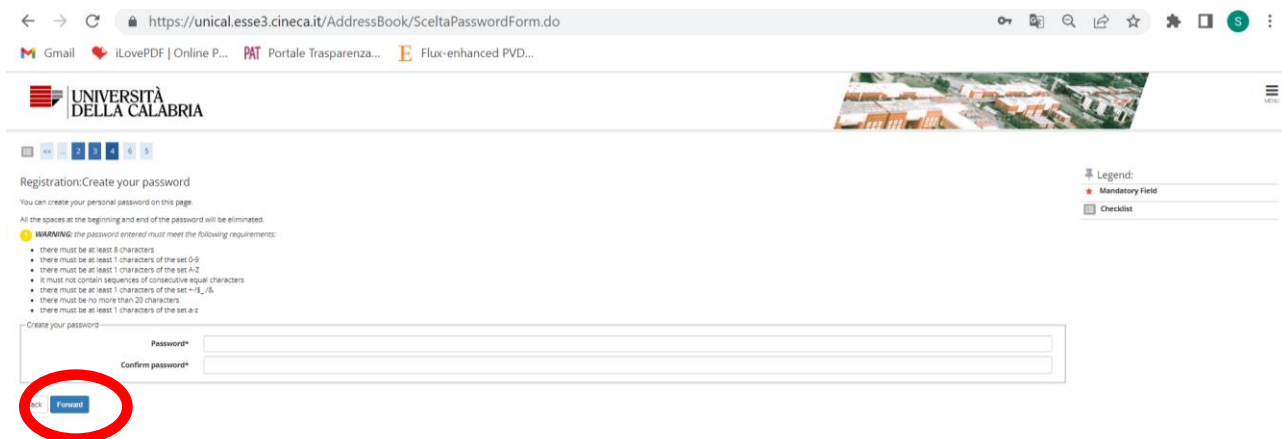
[Back](#) [Forward](#)

6. Create a password

Create a password → Forward

The password entered must meet the following requirements:

- there must be at least 8 characters
- there must be at least 1 characters of the set 0-9
- there must be at least 1 characters of the set A-Z
- it must not contain sequences of consecutive equal characters
- there must be at least 1 characters of the set +-\$_./&
- there must be no more than 20 characters
- there must be at least 1 characters of the set a-z



Registration: Create your password

You can create your personal password on this page.

All the spaces at the beginning and end of the password will be eliminated.

WARNING: the password entered must meet the following requirements:

- there must be at least 8 characters
- there must be at least 1 characters of the set 0-9
- there must be at least 1 characters of the set A-Z
- it must not contain sequences of consecutive equal characters
- there must be at least 1 characters of the set +-\$_./&
- there must be no more than 20 characters
- there must be at least 1 characters of the set a-z

—Create your password—

Password*

Confirm password*

[Back](#) [Forward](#)

7. Confirm your info (conferma)

Registration:Registration Summary

The information entered in the previous sections can be reviewed on this page.

Personal Data

Name	MARIA
Family Name	CURIE
Patronymic	
Gender	Male
Date of birth	09/02/1988
Nationality	FRANCE
Country of birth	France
The Town/City entered was not found among those listed.	Paris
Italian Tax Code	000000000000000000
Marital status	

[Edit Personal Data](#) Use the link to edit Personal Data

Permanent address

Country	France
Town/City not listed	Paris
ZIP CODE	
Locality	saïn denis
Address	rut vind 3
Street no.	W
Phone number	00390000
Current address is the same as permanent address	Y

[Edit Permanent Address](#) Use the link to edit Permanent Address

[Confirm](#)

Legend:

★ Mandatory Field

☐ Checklist

YOUR REGISTRATION IS COMPLETED!

THE WEBSITE WILL PROVIDE TO YOU A SUMMARY CONTAINING YOUR
USERNAME AND PASSWORD




1 2 3 4 5 6

Registration:Registration completed

All the required information has been entered correctly. To access your new Personal Area, you must login using the login details showed below. We recommend you save this information for future access.

Login Details

Name	MARIA
Family Name	CURIE
E-Mail	
Username	crumra88092110d
Alias	
Password	

 Your login details have been sent successfully to the e-mail address you provided.

[Login](#)

[Print](#)

Legend:

★ Mandatory Field

☐ Checklist

Step 2: Application: Select the call

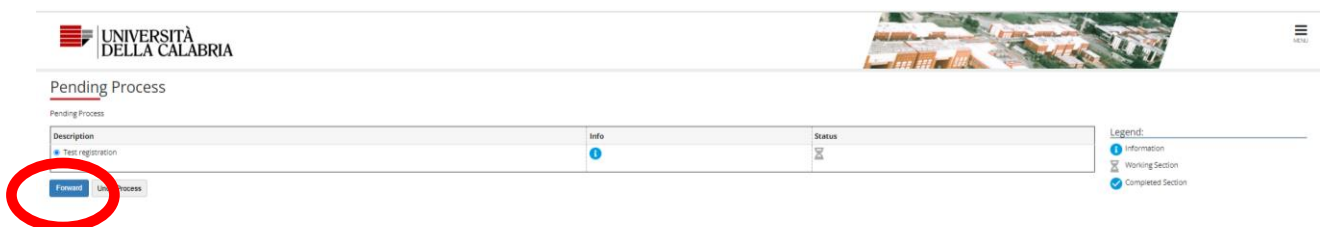
Login (username and password, no email) → Menu



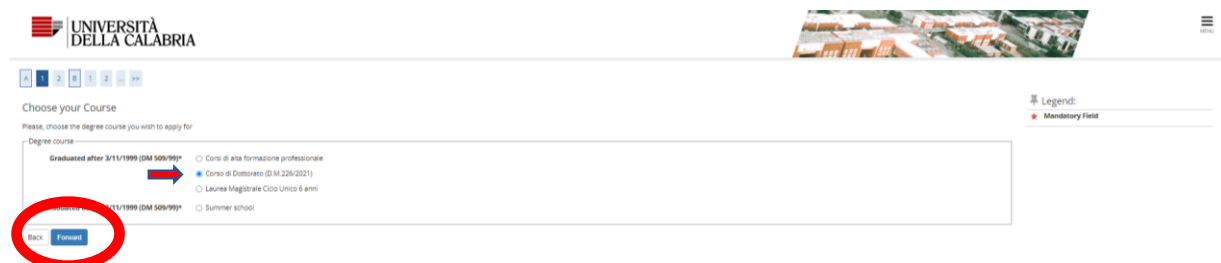
→ Admission Test



→ Forward



→ Choose your Course: SELECT Phd Courses "**Corso di Dottorato (D.M.226/2021)**" → Forward



→List of Course: **SELECT THE FIRST OPTION: "D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINERFrom28/01/2023 11:45To24/03/2023 12:00"** →Forward



UNIVERSITÀ DELLA CALABRIA

List of courses

Please, choose a course you wish to apply for

Choose a course

Course* ☒ D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINERFrom28/01/2023 11:45To24/03/2023 12:00

Course* ☐ D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINERFrom28/01/2023 11:45To24/03/2023 12:00

Forward

Legend:
 * Mandatory Field

→Confirm and go to the next



UNIVERSITÀ DELLA CALABRIA

Please, confirm your application

Please, check the information previously submitted

Course

Qualifications

Dottorato di ricerca

Degree course

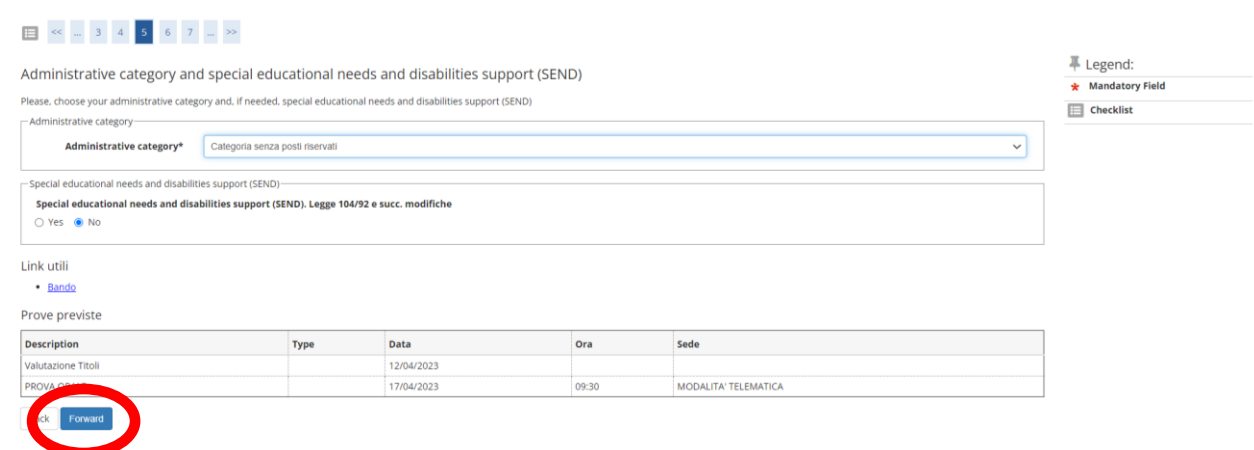
Corso di Dottorato (D.M. 226/2021)

Ex

D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINER

Confirm and go to next

→Forward



Administrative category and special educational needs and disabilities support (SEND)

Please, choose your administrative category and, if needed, special educational needs and disabilities support (SEND)

Administrative category

Administrative category*

Special educational needs and disabilities support (SEND)

Special educational needs and disabilities support (SEND). Legge 104/92 e succ. modifiche

☐ Yes ☒ No

Link utili

- Bando

Prove previste

Description	Type	Data	Ora	Sede
Valutazione Titoli		12/04/2023		
PROVA ORALE		17/04/2023	09:30	MODALITA' TELEMATICA

Forward

Legend:
 * Mandatory Field
 Checklist

Note: In case of Special educational needs and disabilities support (SEND) select "Yes", ore info.



Competition application confirmation

Please check the information submitted previously.

Competition

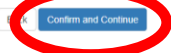
Qualification level type	Dottorato di ricerca
Degree course	Corso di Dottorato (D.M.226/2021)
Description	D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINER

Valid for

Detail	DR25 - SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA, 999 - Categoria senza posti riservati
--------	--

Administrative category and disability support

Administrative category	Categoria senza posti riservati
Request for disability support	No



Confirm and Continue

Step 3: Details of qualifications required

→ Foreign Degree → Enter

Details of qualifications required

To continue, you must declare your qualifications. Required qualifications are shown first, while the later ones are qualifications alternative to each other. In the following pages data of your qualifications obtained in previous years will be required.

Alternative Qualifications

To continue, it is necessary to complete the insertion of all the qualifications of at least one optional block. The various options show qualifications that are alternative to each other

Option 1:

Block Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>	Bachelor's degree issued by a University (HEI) in Italy		e	Enter

Option 2:

Block Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>	Master's degree issued by a University (HEI) in Italy		e	Enter

Option 3:

Block Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>	Specialized degree issued by a University (HEI) in Italy		e	Enter

Option 4:

Block Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>	Foreign degree		e	Enter

[Back](#) [Proceed](#)

Legend:

- Checklist
- Completato
- Non Completato
- Titolo dichiarato
- Titolo obbligatorio
- Titolo non obbligatorio
- Modifica titolo
- Visualizza dettaglio titolo
- Cancella titolo

Add the info about your degree from a foreign university.

Note: "Anno di conseguimento" means "year of graduation"

→ Proceed

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#) [33](#) [34](#) [35](#) [36](#) [37](#) [38](#) [39](#) [40](#) [41](#) [42](#) [43](#) [44](#) [45](#) [46](#) [47](#) [48](#) [49](#) [50](#) [51](#) [52](#) [53](#) [54](#) [55](#) [56](#) [57](#) [58](#) [59](#) [60](#) [61](#) [62](#) [63](#) [64](#) [65](#) [66](#) [67](#) [68](#) [69](#) [70](#) [71](#) [72](#) [73](#) [74](#) [75](#) [76](#) [77](#) [78](#) [79](#) [80](#) [81](#) [82](#) [83](#) [84](#) [85](#) [86](#) [87](#) [88](#) [89](#) [90](#) [91](#) [92](#) [93](#) [94](#) [95](#) [96](#) [97](#) [98](#) [99](#) [100](#)

Foreign University degree

This form allows you to enter or modify data about a degree from a foreign university.

Foreign University Degree Data

Country:

University:

University (Free description):

Use it only if the University is not on the list

Degree level*:

Degree course:

Duration (years):

Graduation date (dd/mm/yyyy)*:

Anno conseguimento*:

Final grade (ex. 98/110)*:

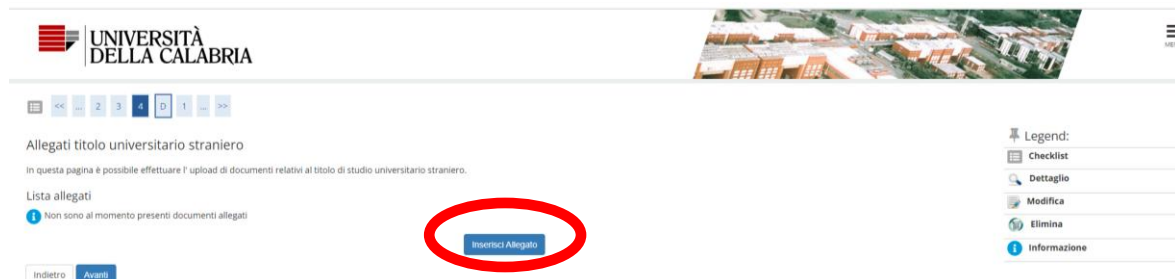
Evaluation:

[Back](#) [Proceed](#)

Legend:

- Mandatory Field
- Checklist

→ Inserisci allegato (means "attach file")



UNIVERSITÀ DELLA CALABRIA

Allegati titolo universitario straniero

In questa pagina è possibile effettuare l'upload di documenti relativi al titolo di studio universitario straniero.

Lista allegati

Non sono al momento presenti documenti allegati

Inserisci Allegato

Indietro Avanti

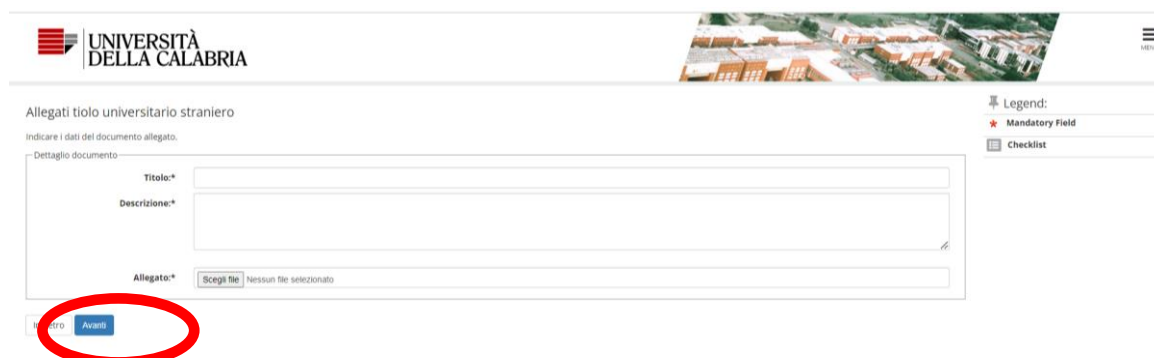
Legend:

- Checklist
- Dettaglio
- Modifica
- Elimina
- Informazione

The form allows you to shortly describe the certificate.

Info required:

- "Titolo": Title of your academic degree;
- "Descrizione": Briefly describe your academic degree;
- "Allegato"→ Scegli file: Attach here a pdf copy of copy of academic qualification(s)/parchment(s) – in original language and translated in English (or in the national language of the recruiting Higher Education Institution) – clearly stating the name of the University issuing the degree, the date of graduation, the final score; copies of official transcripts (mark sheets) of academic courses attended to obtain each degree (BSc, MSc or equivalent) - in original language and translated in English (or in the national language of the recruiting Higher Education Institution) – and corresponding Grade Point Average; any other document considered useful (e.g. University Diploma Supplement) to assess the eligibility of the University Degree - in original language and translated in English (or in the national language of the recruiting Higher Education Institution).



UNIVERSITÀ DELLA CALABRIA

Allegati titolo universitario straniero

Indicare i dati del documento allegato.

Dettaglio documento

Titolo:*

Descrizione:*

Allegato:*

Scegli file Nessun file selezionato

Indietro Avanti

Legend:

- Mandatory Field
- Checklist

→Avanti (means "Forward")



<< ... 2 3 4 1 ... >>

Allegati titolo universitario straniero

In questa pagina è possibile effettuare l'upload di documenti relativi al titolo di studio universitario straniero.

Lista allegati

Titolo	Descrizione	Nome file	Azioni
Chemistry	Exbriner	CERTIFICATE OF DEGREE.pdf	

Inserisci Allegato

Indietro **Avanti**

Legend:

Checklist

Dettaglio

Modifica

Elimina

Informazione

→Proceed

Details of qualifications required

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Alternative Qualifications

To continue, it is necessary to complete the insertion of all the qualifications of at least one optional block. The various options show qualifications that are alternative to each other

Option 1:

Block	Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>		Bachelor's degree issued by a University (HEI) in Italy		●	Enter

Option 2:

Block	Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>		Master's degree issued by a University (HEI) in Italy		●	Enter

Option 3:

Block	Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>		Specialized degree issued by a University (HEI) in Italy		●	Enter

Option 4:

Block	Status	Qualification	Comment	Qualification Status	Actions
<input checked="" type="checkbox"/>				●	

Back **Proceed**

Legend:

Checklist

Completato

Non Completato

Titolo dichiarato

Titolo obbligatorio

Titolo non obbligatorio

Modifica titolo

Visualizza dettaglio titolo

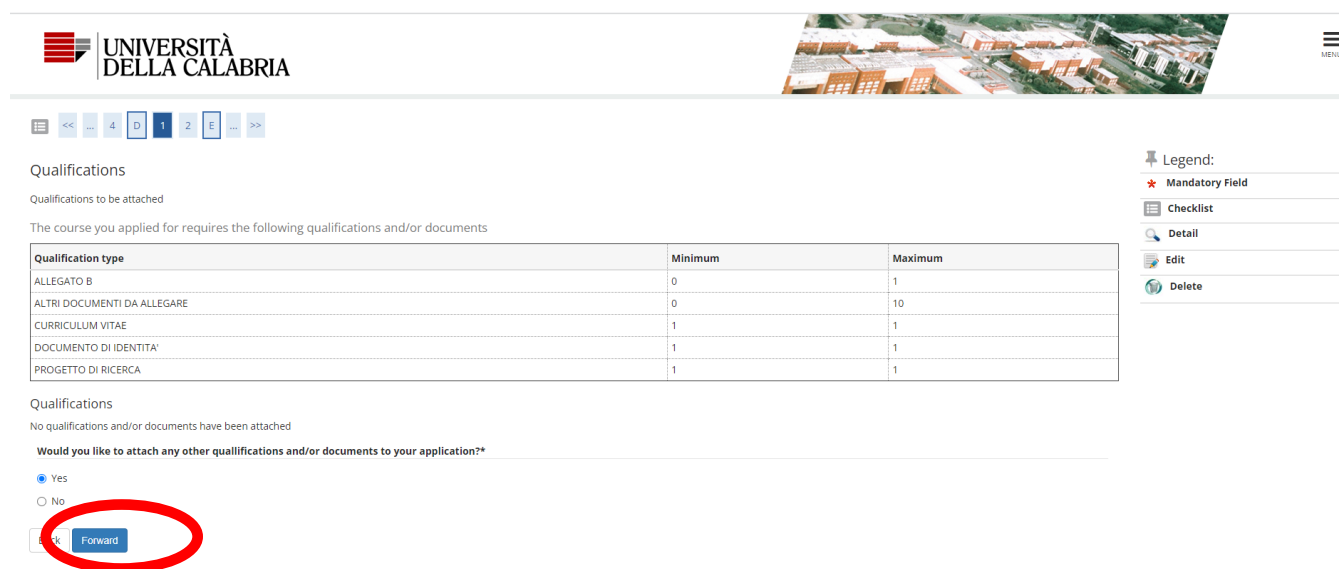
Cancella titolo

Step 4: Qualifications

The form allows you to add your project, passport, CV and other files:

- “Allegato B”:
Attach here the filled “Annex B”, Self-Declaration Affidavit (art. 46 D.P.R.28 December 2000 n. 445)
You can download it from the call for application:
https://unical.portaleamministrazionetrasparente.it/archivio22_bandi-di-concorso_0_12410_874_1.html
- “Altri Documento da allegare” means “Other documents to be attached”:
Documentation required for the assessment of candidates holding an academic qualification obtained abroad (Letter of Motivation, Reference Letters);
Any additional qualification or documentation, in English, deemed useful for the selection procedure. (es. Certificate of English or attendance to post-graduated courses or masters, scientific papers published by the applicants etc.)
- Curriculum Vitae:
Attach here your signed CV;
- Documento di Identità:
Copy of the first two and last two pages of the Passport or – for EU citizens - of the Identity Card;
- Progetto di ricerca:
Concise survey of the state of the art (research project of 3,000-4,000 characters), in English, on the subject of the Doctoral Scholarship. Entitle your manuscript title the title of the project: *“Prototyping & Digital Twin, exergo-economic analysis and Life Cycle Assessment of the integrated membrane system”*

To add the files: →Forward



UNIVERSITÀ DELLA CALABRIA

Qualifications

Qualifications to be attached

The course you applied for requires the following qualifications and/or documents

Qualification type	Minimum	Maximum
ALLEGATO B	0	1
ALTRI DOCUMENTI DA ALLEGARE	0	10
CURRICULUM VITAE	1	1
DOCUMENTO DI IDENTITÀ	1	1
PROGETTO DI RICERCA	1	1

Qualifications

No qualifications and/or documents have been attached

Would you like to attach any other qualifications and/or documents to your application?*

☒ Yes

☐ No

Forward

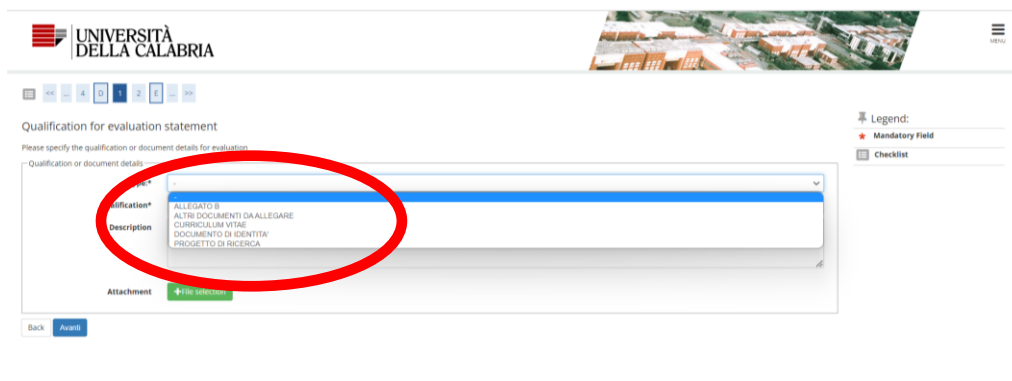
Legend:

- Mandatory Field
- Checklist
- Detail
- Edit
- Delete

The drop-down menu "Type" allows to select the different documents.

Add a short description of the document and the attach the file ("File selection")

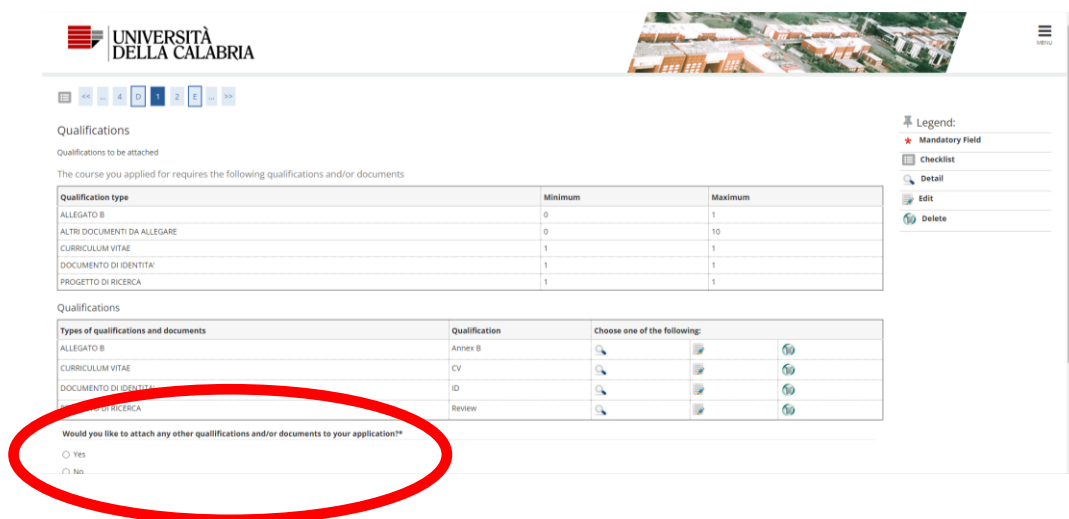
→Forward or "Avanti"



Repeat the action to add all the documents by answering "yes" to the following question:

"Would you like to attach any other qualifications and/or documents to your application?"

Once all the documents are added, answer "no".



Qualification type	Minimum	Maximum
ALLEGATO B	0	1
ALTRI DOCUMENTI DA ALLEGARE	0	10
CURRICULUM VITAE	1	1
DOCUMENTO DI IDENTITA'	1	1
PROGETTO DI RICERCA	1	1

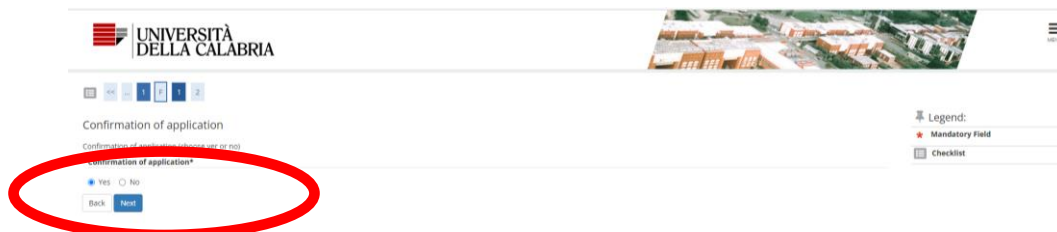
Types of qualifications and documents	Qualification	Choose one of the following:
ALLEGATO B	Annex B	
CURRICULUM VITAE	CV	
DOCUMENTO DI IDENTITA'	ID	
PROGETTO DI RICERCA	Review	

→Forward: Check the list of the documents →Forward



Type	Qualification
ALLEGATO B	EXBRINER
CURRICULUM VITAE	EXBRINER
DOCUMENTO DI IDENTITA'	EXBRINER

→Yes and Next: to confirm your application



UNIVERSITÀ DELLA CALABRIA

Confirmation of application

Confirmation of application (please use or not)

Confirmation of application*

☒ Yes ☐ No

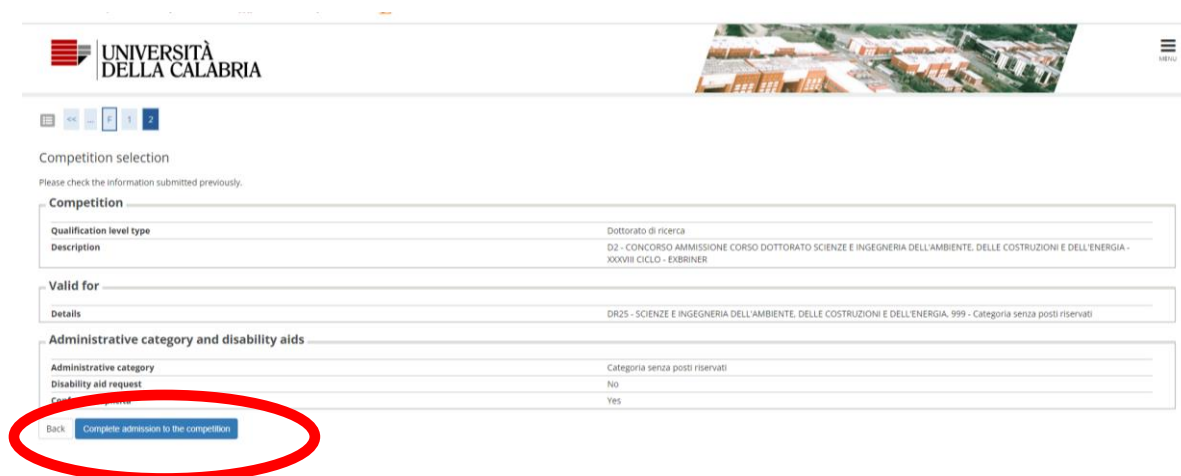
Back Next

Legend:

* Mandatory field

Checklist

→Complete admission to the competition: to submit the application



UNIVERSITÀ DELLA CALABRIA

Competition selection

Please check the information submitted previously.

Competition

Qualification level type: Dottorato di ricerca

Description: D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINER

Valid for

Details: DR25 - SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA, 999 - Categoria senza posti riservati

Administrative category and disability aids

Administrative category: Categoria senza posti riservati

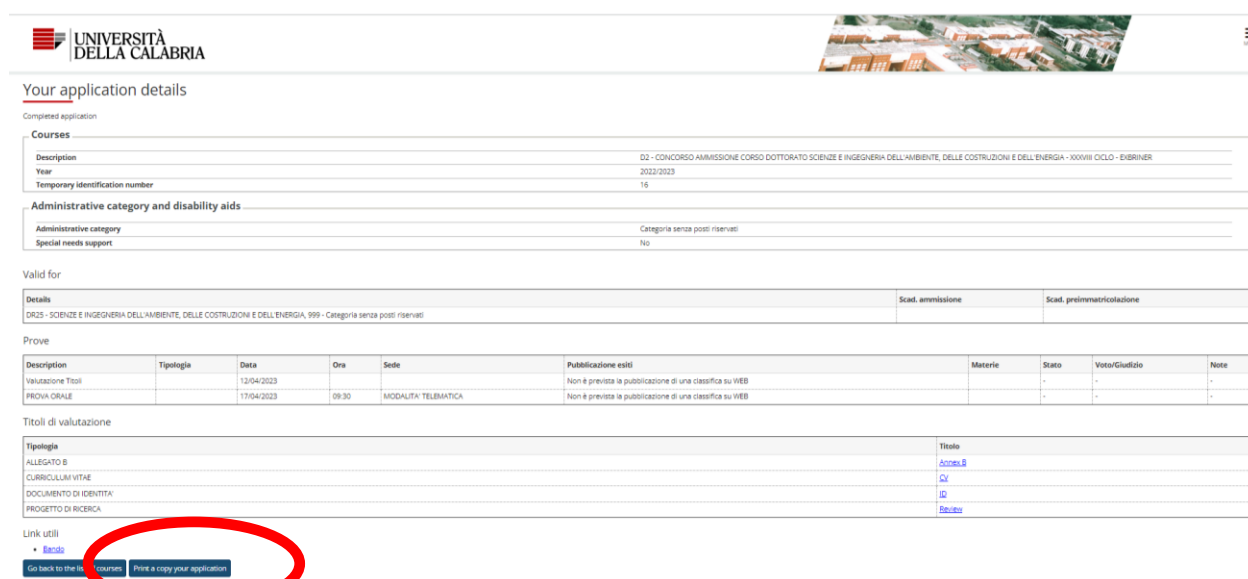
Disability aid request: No

Competition category: Yes

Back Complete admission to the competition

You will have a summary of your application.

→Print a copy of your application



UNIVERSITÀ DELLA CALABRIA

Your application details

Completed application

Courses

Description: D2 - CONCORSO AMMISSIONE CORSO DOTTORATO SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA - XXXVIII CICLO - EXBRINER

Year: 2022/2023

Temporary identification number: 16

Administrative category and disability aids

Administrative category: Categoria senza posti riservati

Special needs support: No

Valid for

Details: DR25 - SCIENZE E INGEGNERIA DELL'AMBIENTE, DELLE COSTRUZIONI E DELL'ENERGIA, 999 - Categoria senza posti riservati

Scad. ammissione

Scad. preimmatricolazione

Prove

Description	Tipologia	Data	Ora	Sede	Pubblicazione esiti	Materie	Stato	Voto/Giudizio	Note
Valutazione Titoli		12/04/2023			Non è prevista la pubblicazione di una classifica su WEB		-	-	-
PROVA ORALE		17/04/2023	09:30	MODALITA' TELEMATICA	Non è prevista la pubblicazione di una classifica su WEB		-	-	-

Titoli di valutazione

Tipologia	Titolo
ALLEGATO B	Annex B
CURRICULUM VITAE	CV
DOCUMENTO DI IDENTITA'	ID
PROGETTO DI RICERCA	Research

Link utili

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CONGRATULATION! YOUR APPLICATION IS SUBMITTED!