

RECTOR'S DECREE N. 9722

Selection procedures to assign no. 5 research collaboration grants at Università Cattolica del Sacro Cuore

THE RECTOR

- having regard to the Statute of Università Cattolica del Sacro Cuore, issued by Rector's Decree of October 24, 1996, and subsequent modifications and integrations;
- having regard to the general regulatory norms of Università Cattolica del Sacro Cuore, issued by Rector's Decree of October 26, 1999, and subsequent modifications and integrations;
- having regard to Law 240 of December 30, 2010, in particular Art. 22;
- having regard to Ministerial Decree 102 of March 9, 2011;
- having regard to Rector's Decree 6301 of April 17, 2020, entitled “Operational provisions for conducting competition procedures for the awarding of research grants and the recruitment of professors and researchers telematically”;
- having regard to Rector's Decree 6764 of September 30, 2020, governing <<Modifications to the “Code of Conduct of Università Cattolica del Sacro Cuore”>>;
- having regard to Rector's Decree 9122 of October 10, 2022, governing the “Norms on the conferment and discipline of research grants in accordance with Art. 22 of Law 240 of December 30, 2010”;
- having regard to the resolutions adopted by the Boards of the Faculties (January 2023);
- having regard to the resolutions adopted by the University Senate (February 13, 2023) and Board of Directors (February 22, 2023);

ORDAINS

Art. 1

Opening

The opening of selection procedures for the assignment of no. 5 research grants in the following Faculties of Università Cattolica del Sacro Cuore, for the following scientific-disciplinary sectors:

Research grants announced in accordance with Art. 22, Subparagraph 4, Letter a, of Law 240/2010

FACOLTÀ DI SCIENZE POLITICHE E SOCIALI

n. 1
position.

ACADEMIC DISCIPLINE: <i>M-PSI/05 SOCIAL PSYCHOLOGY</i>	n. 1 position.
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DURATION: one year, can be renewed.

TEACHER IN CHARGE OF RESEARCH ACTIVITY: Prof.ssa Patrizia CATELLANI.

TITLE OF THE RESEARCH PROJECT: *Framing effects and personalized communication for behavior change.*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *The goal of the project is to develop personalized communication systems that consider framing effects and are aimed at promoting health, well-being, and sustainability. Several psychosocial characteristics underlying behaviours are examined and optimal communication strategies are identified for changing behaviours, respecting people's resources and motivations. The survey methodology involves the implementation of experimental studies and the use of advanced statistical analyses, such as multiple and logistic regression, and structural equation models.*

CAMPUS: Milano.

Research grants announced in accordance with Art. 22, Subparagraph 4, Letter b, of Law 240/2010

FACOLTÀ DI SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI

n. 4
positions.

ACADEMIC DISCIPLINE: <i>AGR/03 ARBORICULTURE AND FRUITCULTURE</i>	n. 2 positions.
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DURATION: one year, can be renewed.

TEACHER IN CHARGE OF RESEARCH ACTIVITY: Dott. Tommaso FRIONI.

TITLE OF THE RESEARCH PROJECT: *IN+VITE*.

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: The project, granted within the PSR Emilia Romagna 2014-2020, the project aims at testing new technologies to increase resilience of viticulture to drought and climate change. The plan intends to verify the efficacy of new super-adsorbent polymers (hydrogels) in preserving soil water storage. Hydrogels will be also tested for the reduction of nitrogen-based fertilizer application. Finally, new co-formulates efficacy in increasing copper-based pesticides persistence on canopies will be verified.

CAMPUS: Piacenza.

FINANCING: Progetto di ricerca: IN+VITE (WBE R2094300295 - CUP E47F22000930007 - Regione Emilia-Romagna). Ente finanziatore: Regione Emilia-Romagna/Unione Europea.

ACADEMIC DISCIPLINE: <u>AGR/03 ARBORICULTURE AND FRUITCULTURE</u>	n. 1 position.
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DURATION: six months, can be renewed.

TEACHER IN CHARGE OF RESEARCH ACTIVITY: Prof. Stefano PONI.

TITLE OF THE RESEARCH PROJECT: *DRIVE*.

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: The project has been funded within the LIFE-2019 Program and waiting for GA signature. Main focus of the DRIVE project is to design and demonstrate in the field new approaches aimed at improving vineyard resilience to either meteorological and soil drought under hilly conditions where irrigation is not usually available. Moreover, another main aim of DRIVE is to test and license a new monitoring tool for quick assessment of vineyard water status and warning release. Main actions pursued in the Project are: i) testing and licensing of a new monitoring tool, ICT based, able to provide quick and user-friendly real time assessment of the vineyard water status to diagnose early water stress status; ii) implementation and demonstration of different innovative floor management techniques aimed at improving vineyard water resilience to drought: among them priority will be given to temporary sown winter grassing followed by different termination approaches in spring; iii) sowing under the row of grass species exerting a suffocating action against natural weeds in that aiding reducing the use of tillage and chemical control; iv) use of caolin and anti-transpirants.

CAMPUS: Piacenza.

FINANCING: Progetto di ricerca: DRIVE-LIFE. Ente finanziatore: Unione Europea + cofin. R2094300242WBE - progetto: R2094300242.

<u>ACADEMIC DISCIPLINE: AGR/01 AGRICULTURAL ECONOMICS AND RURAL APPRAISAL</u>	n. 1 position.
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DURATION: one year, can be renewed.

TEACHER IN CHARGE OF RESEARCH ACTIVITY: Prof. Paolo SCKOKAI.

TITLE OF THE RESEARCH PROJECT: *Statistical methods for the analysis of new data sources in forecasting agricultural yields and farm performances.*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *The main purpose of the research is to propose and estimate a set of predictive models aimed at the economic and financial evaluation of farms. The proposed models will then be translated into algorithms and codes that will allow their use in practice, also through IT tools implemented on web platforms. The first phase of the research will focus on forecasting agricultural yields. The input data will be both standard, i.e. data routinely collected in sample surveys conducted on agricultural enterprises (e.g. RICA sample survey), and “new” data of different origins, such as weather data, remote sensing, satellite imaging data and data collected by means of ground sensors. This will involve creating databases with a new architecture, in which to integrate data from different sources with linkage operations at the level of each company or cultivated portion. The use of new data will require that the models currently used in the literature for the prediction of yields be revisited in the light of the new information and possibly modified. Moreover, newly developed predictive models, involving the use of machine learning and artificial intelligence techniques, will be tested as possible alternatives capable of capturing complex, recursive and non-linear relationships. In the second phase of the research, the models developed in the first phase will be integrated in order to quantify the impact of exogenous quantities (especially market prices) on production choices, the income statement and the balance sheet of the farm.*

CAMPUS: Piacenza.

FINANCING: Progetto di ricerca: Impiego delle nuove rilevazioni nella previsione delle produzioni agricole - CUP: E92C21001370009 - Ente finanziatore: IBF Servizi S.p.A. - Centro di costo: R2094400353.

Art. 2 Admission requirements

Application for participation in the competition is open to Italian and foreign candidates holding a four-year university degree* or a Master's degree obtained in an Italian, EU or foreign university.

A PhD or equivalent qualification obtained abroad, if not otherwise specified, are preferential qualifications for participation in the selection procedures.

Applicants subject to any of the causes of incompatibility set forth in the Code of Conduct of the University cannot participate in the public competition.

The following candidates cannot participate in the public competition either:

- those who had/benefited of contracts as research grant holders, in accordance with Art. 22 of Law 240 of December 30, 2010, for a period which, added to the expected duration of the contract announced, exceeds six years on the whole;
- those who had contracts as research grant holders/fixed-term researchers, in accordance with Articles 22 and 24 of Law 240 of December 30, 2010, with the University or the bodies referred to in the first line of the following paragraph, for a period that, added to the expected duration of the contract announced, exceeds twelve years on the whole, even if not on a continuing basis.

For the purposes of the duration of the aforementioned relations, the periods spent on maternity leave or on health leave are not considered according to current legislation.

For the purposes of the duration of the aforementioned relations are not considered PhD without scholarship period within the maximum limit of the legal duration of the PhD course.

The following positions are incompatible with the awarding of contracts:

- permanent staff of universities, institutions and public research and experimental bodies, of the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and the Italian Space Agency (ASI), and of institutions whose degree of scientific specialisation is recognised as equivalent to the qualification of Doctor of Philosophy, in accordance with Art. 74, fourth Paragraph, of Presidential Decree 382 of July 11, 1980;
- holders of scholarships awarded for any purpose, with the exception of those awarded by national or foreign institutions with the aim of integrating research activity with stays abroad;

*As obtained before the below-mentioned reference frames. For EU citizens the frame of reference is constituted by the Bologna process and in Italy it is regulated by Ministerial Decree 509 of November 3, 1999.

- students enrolled in university programmes, Master's degree programmes, Postgraduate programmes, or doctoral programmes with scholarship or medical specialisations, in Italy or abroad.

Exclusion due to lack of admission requirements shall be ruled by Rector's justified provision.

Art. 3 Submission of application

Applicants must submit documented application on unstamped paper, as indicated in **Annex A**.

A signed copy of the application form must be delivered:

- sent by registered mail, or express mail, with return receipt to the following address: Università Cattolica del Sacro Cuore, Servizio personale docente e tecnico amministrativo (Ufficio Amministrazione Concorsi) - Largo Gemelli, 1 - 20123 Milano, **by April 13, 2023**. Receipt of applications shall be validated by post office date stamp;
- sent by certified mail at risorse.umane@pec.ucsc.it **by April 13, 2023**.

This public announcement is published on the official notice board of Università Cattolica del Sacro Cuore, on the website of Università Cattolica del Sacro Cuore at <http://progetti.unicatt.it/progetti-ateneo-milano-brescia-piacenza-e-cremona-assegni-di-ricerca-legge-240-2010-art-22#content>.

Art. 4 Contents of the application

In the application form, candidates shall precisely indicate:

- 1) surname and name;
- 2) place and date of birth;
- 3) fiscal code (the University shall determine the fiscal code of foreign candidates that cannot indicate it);
- 4) place of residence;
- 5) citizenship;
- 6) for Italian citizens: registration in the electoral roll stating the municipality of registration, otherwise, the reasons for non-registration or cancellation; for non-Italian citizens: declaration of the enjoyment of civil and political rights in their country of belonging or origin;

- 7) to have no criminal record; otherwise, any convictions (specifying the details of the relative sentences) and any pending criminal proceedings;
- 8) to have been neither dismissed from employment at any Public Administration due to persistent poor performance, nor declared no longer entitled to public employment in accordance with Art. 127, Letter d) of Presidential Decree 3 of January 10, 1957, and subsequent modifications and integrations;
- 9) not to be subject to any of the causes of incompatibility referred to in Art. 2 of the public announcement;
- 10) not to be subject to any of the causes of incompatibility set forth in the Code of Conduct of the University;
- 11) the competition of application (specifying Faculty, scientific-disciplinary sector and **research project** presented relative to the topics covered by the public announcement (**only for grants referred to in Art. 1, Letter A**).

In the application form, candidates may elect a special domicile for communications from the University Administration. Any changes in the above-stated domicile must be promptly notified to Servizio personale docente e tecnico amministrativo (Ufficio Amministrazione Concorsi e Segreteria Docenti) of Università Cattolica del Sacro Cuore - Largo Gemelli, 1 - 20123 Milano.

Candidates with recognised disabilities must specify in their application the aid required in relation to their disability and (if any) the need for additional time for test completion in accordance with Law 104 of February 5, 1992.

The University Administration shall not be responsible for unavailability of applicants and loss of communications due to incorrect contact information provided by applicants or to absent or delayed notification of any changes in the address indicated in the application form.

The University Administration shall not be responsible for any failed or late delivery of communications concerning the selection procedure due to reasons not attributable to the Administration itself, but to postal or telegraph service errors, third parties, unforeseeable circumstances or force majeure.

Art. 5

Attachments to the application form

The application must include:

- scientific and professional *curriculum*, and list of publications if any;

- qualifications and publications (if any) that candidates wish to present for evaluation;
- **research project** relative to the topic covered by the public announcement (**only for grants referred to in Art. 1, Letter A**)
- photocopy of an identification document;
- photocopy of fiscal code.

Candidates with Italian or EU citizenship may submit qualifications in original or certified copy; otherwise, where allowed by Articles 46 and 47 of Presidential Decree 445 of December 28, 2000, by substitutive declarations of certification or substitutive declarations of affidavit attesting conformity of the copies on unstamped paper to the original.

Non-EU citizens legally residing in Italy may use the substitutive declarations referred to in the above mentioned Articles 46 and 47 as limited to personal qualities and status and to facts certifiable or attestable by Italian public bodies.

Non-EU citizens authorised to stay in Italy may use the substitutive declarations referred to in the above mentioned Articles 46 and 47 in those cases in which they are submitted under the application of international conventions between Italy and the country of origin of the registrant.

In the remaining cases, non-EU citizens shall document personal qualities and status and facts through certificates or statements issued by the competent authority of the foreign State.

Certificates and statements referred to in the preceding paragraph written in a foreign language must be accompanied by a translation into Italian certified by the Italian consular authority, stating that it conforms to the original.

The Administration reserves the right to carry out appropriate checks on the veracity of the contents of the substitutive declarations.

Documents, qualifications and publications already submitted to the University may not be referred back to.

Art. 6 Examination Panel

The Examination Panel is appointed by the Rector through a special decree. It consists of three members (consisting of a balanced composition of men and women, if possible):

- a teacher, selected by the Faculty Board of the Faculty concerned in charge of research project manager, and two (associate or full) professors selected respectively by

- the Dean of the Faculty concerned;
- the Director of the Department/Institute at which research activity shall be conducted

The teacher acting as project manager is in charge of convene the meeting and start the procedure within 30 days depending on the receiving of the Examination Panel decree.

In case of failure of the Commission and no establishment within 30 days as before mentioned, the Rector may appoint a new Commission as previously described.

The President and the Secretary are selected by the Examination Panel.

Art. 7

Evaluation of candidates

The selection procedure evaluates candidates' submitted qualifications and includes an interview.

The Examination Panel evaluates candidates on a one-hundred-point scale; available points are to be assigned as follows:

- a) **for research grants referred to in Art. 1, Letter A)**, max. sixty points for qualifications and research project; max. forty points for the interview;
- b) **for research grants referred to in Art. 1, Letter B)**, at least forty points for qualifications; the remaining points for the interview.

In its first meeting, the Examination Panel determines the criteria for candidates' evaluation complying with the provisions of the public announcement and what follows below.

The Examination Panel may also set a minimum score for admission to the interview.

In compliance with the above indicated criteria, published on our website <http://progetti.unicatt.it/progetti-ateneo-milano-brescia-piacenza-e-cremona-assegni-di-ricerca-legge-240-2010-art-22#content>, the Examination Panel evaluates each candidate's

- scientific and professional *curriculum*;
- qualifications and publications submitted, and their pertinence to the scientific-disciplinary area and/or scientific-disciplinary sectors covered by the public announcement;
- research project relative to the topic covered by the public announcement, only for grants referred to in Art. 1, Letter A of this public announcement.

If the date of the interview is not specified in this public announcement, candidates are

summoned for interview by registered mail with return receipt not less than twenty days prior to the scheduled date for their interview on the scientific activity conducted.

Under the same terms outlined in the preceding paragraph, candidates who have not reached the minimum score required by the public announcement are given notice of non-admission to the interview.

During the interview, knowledge of the language or languages required (if any) is also ascertained.

At the end of its activity, the Examination Panel compiles a ranking based on the sum of the scores obtained by each candidate in the evaluation of qualifications and the interview. In the case of a tie, the younger candidate prevails.

The Examination Panel's files consist of the minutes of each meeting.

The files of the evaluation procedure are approved by Rector's decree.

The procedure must be carried out by the Examination Panel within 90 days from the establishment. The Rector may extend this term no more than 90 days just once and in case of proven reasons established by the President Panel. In case the procedure don't come to an end by the term, the Rector, may appoint a new Panel according to the rule mentioned in art. 6.

The rectoral decree regarding the act approval will be published on our institutional website.

Art. 8 Conferment

For the purposes of the awarding of the research grant, the Ecclesiastical Assistant General verifies, through a dedicated interview, the adherence of the first candidate in the ranking to the guiding principles of the University.

The grant is awarded by the Rector through the stipulation of a specific contract.

The activation of the contract and research activity can be effective only in case the candidate didn't have any of the following positions:

- those who had/benefited of contracts as research grant holders, in accordance with Art. 22 of Law 240 of December 30, 2010, for a period which, added to the expected duration of the contract announced, exceeds six years on the whole;
- those who had contracts as research grant holders/fixed-term researchers, in accordance with Articles 22 and 24 of Law 240 of December 30, 2010, with the University or the bodies referred to in the first line of the following paragraph,

for a period that, added to the expected duration of the contract announced, exceeds twelve years on the whole, even if not on a continuing basis.

For the purposes of the duration of the aforementioned relations, the periods spent on maternity leave or on health leave are not considered according to current legislation.

For the purposes of the duration of the aforementioned relations are not considered PhD without scholarship period within the maximum limit of the legal duration of the PhD course.

In case of non-acceptance, the grant is awarded to the following candidate in the ranking and only after Ecclesiastic Assistants interview.

Art. 9 Obligations

Grant holders are required to conduct a research programme or a phase thereof under the guidance of a teacher in charge of the management of the research.

Grant holders are also required to comply with the guiding principles of the University Statute and the Code of Conduct of the University.

Grant holders shall not:

- have other employment contracts;
- engage in self-employed activity, project-related or freelance;
- carry out occasional work that, upon the opinion of the teacher in charge of the management of the research, has not been authorised in advance and communicated to the Dean of the Faculty concerned by the Director of the Department / Institute at which the grant recipient conducts research activity.

Grant holders operate at their teacher's facility of belonging, or at the facility specified in the public announcement (if any), making use of the equipment and services available. Subject to the approval of the teacher in charge of the management of the research, research activity may be conducted at other University facilities or at qualified Italian and foreign research facilities.

Art. 10 Assessment of conducted activity

Within 60 days from the end of each year of activity, the teacher in charge of the management of the research shall submit the Board of the Department / Institute at which the grant holder is carrying out research activity a report containing a detailed and justified assessment of the results of activity conducted.

Upon this occasion, in the case of grant expiration, the teacher may propose its renewal.

Art. 11
Grant renewal

Within 30 days before the date of grant expiration, the Board of the Faculty concerned, on the basis of the teacher's report and the opinion of the Board of the Department / Institute, approves its renewal, if any.

Research grants shall not be renewed for less than a year.

Art. 12
Economic conditions

The annual gross amount of the grants is determined by resolution of the Board of Directors, on the basis of the minimum amount established by Ministerial Decree.

Grants are paid out monthly, and for the predetermined amount after the cost of the appropriate compulsory personal insurance policy stipulated by the University against accidents that may occur during presence at the University venues.

The grants are exempt from *IRPEF* (income tax) in accordance with applicable law, and subject, for what concerns social security, to the laws in force.

Art. 13
Contract termination

The grant is withdrawn and the related contractual relation is terminated before expiration by Rector's decree:

- in cases of non-observance of the obligations referred to in Article 9;
- in case there arises any of the reasons for inadmissibility referred to in Article 2;
- in the event of negative assessment of activity conducted.

Subject to attested notification to the person concerned, the Rector's decree is issued upon the resolution of the Board of the Faculty on proposal of the teacher in charge of the management of the research or Dean, and after consultation with the Board of the Department / Institute at which the grant holder carries out research activity.

Art. 14
Patenting

Any realisation, during the activity, of an innovation, on the part of the holders of the contracts referred to in the norms, that may be patentable is governed in accordance

with current legislation and regulations adopted by Università Cattolica.

Art. 15
Transitory norms

With their consent, grant holders may be assigned integrative and curricular didactic activities. These activities are assigned by the Faculty concerned, subject to the approval of the Director of the Department / Institute at which the grant holder carries out research activity. The integrative and curricular didactic activities assigned shall not exceed 30 hours per year, and are covered by the grant emoluments.

The conferment of grants does not constitute any form of employment nor awards rights of access to university positions.

To grants awarded prior to the entry into force of the Norms on the conferment and discipline of research grants in accordance with Art. 22 of Law 240 of December 30, 2010 continue to apply the laws and regulations in force at the time of their conferment.

L'informativa relativa al trattamento dei dati personali forniti in occasione della procedura concorsuale è disponibile sul sito web dell'Ateneo all'indirizzo <https://www.unicatt.it/privacy>.

Art. 16
Responsibility for procedure

The person in charge of the procedure of this public announcement, is Dr. Federico Liotta - Capo Servizio Personale Docente e Tecnico Amministrativo - Largo A. Gemelli, 1 - 20123 MILANO (phone no. 02/7234.3813 – fax no. 02/7234.2972 – email address: uff.concorsi@unicatt.it).

Art. 17
Final provisions

For any matters not covered by this public announcement, the current university legislation applies as compatible.

Milan, March 6, 2023

IL RETTORE
(Prof. Franco Anelli)