

RESOLUTION OF THE RECTOR OF THE UNIVERSITY OF MURCIA, R.- 645/2023 OF 24 OF APRIL, APPROVING THE REGULATORY BASES AND THE CALL FOR POSTDOCTORAL CONTRACTS IN THE FRAMEWORK OF THE “AGROALNEXT” PROJECT OF THE COMPLEMENTARY PLAN FOR AGRIFOOD.

The Complementary Agrifood Plan is co-financed by the Ministry of Science and Innovation under component 17 of the Recovery, Transformation, and Resilience Plan - developed within the framework of the European Union's Recovery and Resilience Mechanism, NextGenerationEU funds - and by the autonomous communities of Aragón, Comunidad Foral de Navarra, Comunidad Valenciana, La Rioja, Región de Murcia, Principado de Asturias, and Extremadura.

Through their universities and research centers, these seven Autonomous Communities will jointly address the AGROALNEXT program, which aims to promote the agrifood sector's double transformation, digital and sustainable, through science, technology, and innovation. It is a transformation based on efficient knowledge, which can be transferred and implemented in the sector.

Technologies and innovations must be generated, developed, made visible, and applied in a coordinated and coherent manner with other levers of change, requiring individual and collective actions with a multidisciplinary and collaborative approach between actors and regions. Thus, the program aims to bridge the gap between knowledge and technological innovation, boosting and accompanying the digital and ecological transition of the sector towards innovative, safe, and resilient models, favoring the four pillars of sustainability: environmental, social, economic, and governance, structured around seven lines of action, with their respective objectives:

LINE 1 - Sustainable primary production. Ecological transition. The aim is to develop and promote sustainable primary production systems based on nature and the environment, adapted to climate change. The objective is to improve the use of resources and inputs involved in primary agricultural and livestock production and increase the capacity to respond to the challenge of climate change.

LINE 2 - Ensuring a healthy, safe, sustainable, and accessible food supply. Its objective is to develop innovative and sustainable food processing systems that meet the needs of consumers and society within the framework of a more nutritious and healthy diet with a lower environmental impact, ensuring food safety. The aim is to support the transition towards a diet with a more significant presence of plant-based foods and greater diversification of raw material sources.

LINE 3 - Digital transition of the agrifood sector. The main objective is to provide intelligence, efficiency, and, therefore, sustainability to each of the stages and actors of the agrifood chain. The proposed solutions will be achieved through data collection, fusion and processing, intelligent analysis, and service provision. The aim is to increase the incorporation of ICTs in the agrifood sector and national R&D&I.

LINE 4 - Circular Economy. The objectives are to reduce losses, emissions, and waste generated by the sector and, for those that cannot be avoided, to create opportunities for their use, increasing the circularity of the industry.

LINE 5 - Innovation and transfer for transformation. The objectives involve, on the one hand, transferring the knowledge and solutions generated, facilitating their testing and scaling, and on the other hand, obtaining information from the market and its needs to guide and improve the research and solutions generated. The aim is to strengthen the impact of R&D&I.

LINE 6 - Reinforcement of infrastructures and resources to improve the competitiveness of R&D&I entities and promote transfer to the market. The main objective is strengthening research teams' scientific and innovative capacity to maintain and reinforce their leadership and vanguard position nationally and internationally.

LINE 7 - Coordination, dissemination, and training. The objectives are, on the one hand, to promote the optimal use of existing R&D&I resources, avoid duplication of efforts, and generate opportunities for collaboration between the scientific-technical agents of the participating Autonomous Regions. On the other hand, the aim is to inform the agrifood sector and society of the scientific and technical advances generated under the program, encouraging innovation adoption.

Within the framework of the plan mentioned above and until September 2025, the University of Murcia (UMU) is implementing a research and innovation strategy in agrifood through its participation in 38 actions included in the AGROALNEXT work plan.

For a successful implementation of the program at UMU, it is necessary to attract postdoctoral research personnel in their final stages of research training or already fully trained who, through their incorporation into the Research Groups of the University of Murcia and having accredited an excellent scientific qualification, wish to carry out research in the areas identified to be carried out by UMU.

For all the preceding reasons, I RESOLVE:

1. To approve the regulatory bases and to make public the present call for "Postdoctoral contracts of the Complementary Plan of Agrifood, AGROALNEXT project."
This resolution will be effective from the day of its full publication in the Official Bulletin Board of the University of Murcia (TOUM). Likewise, it will be published in the Euraxess Portal and the other media established in the applicable legislation.
2. The following provisions shall govern the call for applications:

RULES

FIRST. PURPOSE AND GENERAL RULES. CONTRACTING BODY

1. Three (3) postdoctoral contracts with additional endowment are announced for the development of a research project and whose legal regime will be the one established in the following provisions:
 - Organic Law 2/2023, of March 22, 2002, on the University System.
 - Law 38/2003, of November 17, 2003, General Law on Subsidies.
 - Law 14/2011, of June 1, on Science, Technology and Innovation.
 - Law 39/2015, of 1 October, on the Common Administrative Procedure of the Public Administrations.
 - Law 40/2015, of October 1, 2015, on the Legal Regime of the Public Sector.
 - Royal Legislative Decree 2/2015, of October 23, approving the revised text of the Workers' Statute Law.

Royal Decree-Law 32/2021, of December 28, on urgent measures for labor reform, the guarantee of employment stability, and the transformation of the labor market.

By-laws of the University of Murcia, approved by Decree 85/2004, of August 27, 2004, of the Governing Council of the Autonomous Community of the Region of Murcia.

II Collective Labor Agreement for Teaching and Research Staff, Contracted Labor of the Public Universities of the Region of Murcia of January 1, 2016.

Instructions of the Economic-Budgetary Regime of the University of Murcia, in force at the entry into force of this call.

Royal Decree-Law 36/2020, of December 30, of the Head of State, approving urgent measures for the modernization of the Public Administration and for the implementation of the Recovery, Transformation and Resilience Plan.

Order HFP/1030/2021, of September 29th, by which the management system of the Recovery, Transformation and Resilience Plan is set up.

Order HFP/55/2023, of January 24, regarding the systematic analysis of the risk of conflict of interest in the procedures that execute the Recovery, Transformation and Resilience Plan.

- 2 The additional endowment will be up to a maximum of 20,000.00 euros per contract to develop the proposed research project. The amount of this grant may not be used for personnel expenses or inventory material.
- 3 The contracting body is the Rector of the University of Murcia, without prejudice to the concurrent delegations of powers in favor of the person holding the Vice Rectorate with responsibilities in research, of the functions of the Research Area and the Human Resources and General Services Area of the University of Murcia; and of the actions that, in the course of the selection process, correspond to the Contracting Commission that is developed in the eleventh base.

SECOND. ELIGIBILITY REQUIREMENTS FOR THE SELECTIVE PROCESS.

1. To be admitted to the selective process, interested persons must meet the following requirements:
 - a. To have Spanish nationality or to be a national of a Member State of the European Union or a national of those States to which, under international treaties entered into by the European Union and ratified by Spain, the free movement of workers in the terms defined in the Treaty establishing the European Union is applicable.

Also eligible to participate, whatever their nationality, are the spouse of persons of Spanish nationality or who are nationals of other Member States of the European Union, provided that they are not separated by law, as well as their descendants and those of their spouse, provided that they are not separated by law, are under twenty-one years of age or are dependents over that age.

Likewise, foreigners who, not being included in the previous paragraphs, are in Spain in a legal situation, being holders of the documents that enable them to reside and to have access without limitations to the labor market or, not being in Spain, they meet the requirements to obtain them, may also participate.

In any case, the provisions of Organic Law 4/2000, of January 11, on the rights and freedoms of foreigners in Spain and their social integration and Royal Decree 557/2011, of April 20, approving the Regulations for the execution of Organic Law 4/2000, of January 11, shall apply.

- b. Be at least sixteen years of age and not exceed, if applicable, the maximum age of compulsory retirement.
 - c. Possess the functional ability to perform the duties.
 - d. Have an adequate knowledge of the Spanish language for the performance of the assigned research work.
 - e. Not having been dismissed, using disciplinary proceedings, from the service of any of the Public Administrations, nor disqualified for exercising public functions. In the case of nationals of other Member States of the European Union and nationals of those States to which, by international treaties signed by the European Union and ratified by Spain, the free movement of workers is applicable, in the terms defined in the Treaty establishing the European Union, not to be subject to disciplinary sanctions or criminal convictions that prevent access to the civil service in their State.
 - f. To have the acceptance of the University of Murcia Research Group to be incorporated in case of being awarded one of these contracts (Annex V).
2. The concurrence of the requirements established in this base and the third base must be referred to the date of the end of the deadline for the presentation of applications.

THIRD. DOCUMENTATION ACCREDITING THE CONCURRENCE OF THE ELIGIBILITY REQUIREMENTS OUTLINED IN THE SECOND BASE.

The eligibility requirements expressed in the second base will be accredited in accordance with the following documentation:

- a. The nationality requirement will be verified:
 - i. In accordance with Article 28 of Law 39/2015, of October 1, of the Common Administrative Procedure of Public Administrations, it is understood that the consent of the applicant is granted in favor of the University of Murcia to obtain the data corresponding to the DNI, unless express opposition expressed in the application for participation, being then necessary to add to this a copy of the said document.
 - ii. In the case of persons of nationality other than Spanish who are nationals of member states of the European Union or of those states to which, by international treaties signed by the European Union and ratified by Spain, the free movement of workers is applicable in the terms defined in the Treaty establishing the European Union, by providing a copy of the passport, the NIE or, if suitable, the document that in the applicant's state of origin has validity and effectiveness similar to that of the Spanish DNI.
 - iii. Whoever, regardless of their nationality, is the spouse of a person of Spanish nationality or who is a national of another member state of the European Union, provided that they are not separated by law, or is a descendant of such person or their spouse, provided, likewise, that they are not separated by law, are under twenty-one years of age or are dependents over twenty-one years of age, by providing a copy of the official identity document of their nationality (passport or similar to the DNI), or of the NIE, accompanied by a declaration of kinship and the requirements associated with it (living at the expense or being dependent on the national of another state with whom the kinship relationship exists); if applicable, non-existence of legal separation; etc.).

In any of the cases of this letter, the interested party shall provide a simple copy of the required documentation. Suppose the contract is awarded in its favor. In that case, the contracting body

will require the provision of the original or duly authenticated documentation that is not in the archives of the University of Murcia or to which the University of Murcia cannot access by the consent of the interested party. Said submission must be made within the term established for such purpose, and said circumstance should operate as a condition for signing the contract. If the required documentation is not submitted in due time or if it is not sufficient to accredit the concurrence of the requirement, it will be required to be corrected within a period of ten (10) working days, with a warning that, if the omission is not corrected in said time, it will be understood that the awardee waives the contract and its contracting proposal will be without effect.

- b. The age requirement shall not require justification other than that resulting from the corresponding official identity document, provided that the latter contains the date of birth of the person concerned.
- c. The requirement of possessing functional capacity shall not require accreditation at the time of application. The successful bidders shall provide the appropriate medical certification, issued by medical personnel rendering services in the National Health Service, as a necessary condition for the execution of their contract, within the term established for this purpose by the contracting body and under the warning that the failure to provide it within the period or the concurrence of a medical report that results in circumstances that prevent said functional capacity should result in the understanding that the successful bidder waives the contract and the contracting proposal shall be null and void.
- d. In the case of applicants who are awarded the contract after the initial resolution, the contracting body may carry out the appropriate investigation actions or may require the interested parties to provide specific supporting documentation within a period to be set for that purpose under the warning that if the documentation is not provided within the indicated period, or if it is insufficient to accredit the fact, or if it results in the impossibility of signing the contract, it shall be understood that the person resigns from the contract and the contract proposal shall be without effect.

FOURTH. INSTANCE OF PARTICIPATION. SUBMISSION.

1. The application for participation shall be submitted through the Electronic Registry of the University of Murcia by means of a "Basic Application," specifying the number, date, and title of this resolution and to which the following documentation in PDF format must be attached:
 - a. Abbreviated curriculum vitae (CVA) of the candidate following the standardized CVA template (AEI) that can be obtained through the FECYT Editor: <http://cvn.fecyt.es/editor> (maximum four (4) pages).
 - b. Document of the research project to be developed in which the following must be stated: the line to which the application is submitted, the title of the project, its budget, and a brief report of this; the document must be signed by the applicant and have the V^oB^o of the UMU Research Group that endorses the application (maximum 5 pages).
 - c. Responsible statements according to the models contained in Annexes III and IV duly signed, preferably by electronic signature capable of verification. It is advisable to submit them in a single PDF document.
 - d. Document of acceptance of the UMU Research Group to which it will be incorporated, duly completed (Annex V).

2. Only for persons of foreign nationality who cannot access the Electronic Registry of the University of Murcia, the corresponding application documents may be presented through the e-mail address agroalimentacion@um.es.

FIFTH. RULES COMMON TO THE THIRD, FOURTH, FIFTH, AND SIXTH BASES.

Without prejudice to the particular rules that, as the case may be, are provided for in these rules, the following shall apply to any of the documents proving the admissibility requirements or the filing of the application:

- a. The corresponding sworn translation must accompany those written in a language other than Spanish or English.
- b. The presentation shall be made in electronic format, following what is specified in the fourth base.
- c. Its registration must be verified within the deadline for the formulation of applications for participation, without prejudice to the possibility of correcting deficiencies following these terms and conditions and the law.
- d. The hiring body or, if applicable, the hiring committee may require any applicant, at any time during the selection process, to provide original documentation or an authentic copy of any of the documents submitted to verify their correspondence and the consequent authenticity of the data contained therein, with the warning that failure to submit the required documentation within the period established for this purpose, which shall not be less than five (5) working days, shall result in exclusion from the selection process.
- e. The documentation to be submitted within the deadlines for correction established in these conditions or at the request of the contracting body or the contracting commission shall be submitted, in any case, through the Electronic Registry of the University of Murcia or may be sent to the e-mail address agroalimentacion@um.es, if the applicant cannot access the aforementioned Electronic Registry.

SIXTH. NUMBER AND CHARACTERISTICS OF THE CONTRACTS.

1. Three (3) postdoctoral contracts are called for, aimed at increasing the number of qualified doctoral personnel for the development of the Complementary Agrifood Plan at the University of Murcia, and according to the following distribution criteria:
 - 1 contract for actions of the line "L1 - Sustainable primary production. Ecological transition".
 - 1 contract for actions of the line "L2 - Guarantee of supply of healthy, safe, sustainable and accessible food.
 - 1 contract for actions under the line "L3 - Digital transition of the agri-food sector".
2. The link with the University of Murcia will be made through formalizing an employment contract under the provisions of the applicable legislation in force.

3. Likewise, each person awarded in this call will be granted up to a maximum of 20,000.00 euros for the execution of the research project presented in the application. The project report shall include a budget section indicating, in detail, the items of expenditure necessary for its development, which may not include personnel expenses or inventory material. This amount shall be made available to the beneficiary at the beginning of the contract, and expenses may be charged throughout the duration of the aid.
4. If there are not enough applicants or the applicants do not reach the minimum qualification required to pass the selection process, in accordance with the provisions of the seventeenth base, the corresponding contracts may be declared vacant.
5. At most, one successful bidder may be assigned per Research Group.
6. Each contract shall have a minimum duration of one (1) year and may be extended up to a maximum of 31/09/2025.
7. Each contract will be concluded in writing between the postdoctoral research personnel, in his/her condition as an employee, and the University of Murcia, in its condition as an employer.
8. The dedication regime will be full-time.
9. Under the postdoctoral contract, the contracted research personnel will be linked to the University of Murcia, with both parties assuming the contractual obligations arising from there. During the contractual period, the research personnel and, if applicable, the University of Murcia will be entitled to all the labor and social benefits inherent to the labor contract signed.
10. Temporary absences from the center of the assignment must be previously authorized by the Vice-Rector or Vice-Rector responsible for research, who may obtain the reports that, if necessary, he/she deems appropriate for this purpose. For this purpose, the interested party shall make a reasoned request, which must be submitted sufficiently in advance for it to be processed, set at no less than fifteen (15) working days before the beginning of the corresponding absence.

Authorizable absences shall only be those whose immediate purpose is related to the activities of the postdoctoral contract, for which purpose the request shall be accompanied by a detailed report of the activities to be carried out during the absence.
11. Staff with the postdoctoral contract is subject, under their employment relationship of services, to the disciplinary regime provided for in the II Collective Labor Agreement of Teaching and Research Staff Hired Labor of the Public Universities of the Region of Murcia of January 1, 2016.

SEVENTH. FINANCING CONDITIONS.

The University of Murcia will assume the total cost of the contracting and the amount granted for the execution of the proposed research projects, charged to the budget of the AGROALNEXT project, funds from the Ministry of Science and Innovation - NextGenerationEU, for a maximum total amount of 247,000.00 euros, depending on the budgetary availabilities, and charged to the following budget items:

- **LINE 6 - Reinforcement of infrastructures and resources to improve the competitiveness of R&D&I entities and promote transfer to the market.**
Amount: Up to 187,000.00 euros for hiring three (3) postdoctoral researchers.
Budget item: 08 002B 541A 64207 Project 38386

- **LINE 1 - Sustainable primary production. Ecological transition.**
Amount: Up to 20,000.00 euros of aid to the postdoctoral contract for Line 1 for the execution of the research project.
Budget item: 08 002B 541A 64207 Project 38381.

- **LINE 2 - Guarantee of healthy, safe, sustainable, and accessible food supply.**
Amount: Up to 20,000.00 euros of support to the postdoctoral contract for Line 2 for the execution of the research project.
Budget item: 08 002B 541A 64207 Project 38382

- **LINE 3 - Digital transition of the agrifood sector.**
Amount: Up to 20,000.00 euros of aid to the postdoctoral contract for Line 3 for the execution of the research project.
Budget item: 08 002B 541A 64207 Project 38383

The amount of the grants for the execution of the research project may not be used for personnel expenses or inventory material.

EIGHTH. ENDOWMENT AND PAYMENT

Following the provisions of the II Collective Labor Agreement for Teaching and Research Personnel Hired by the Public Universities of the Region of Murcia, the labor costs of these contracts are equal to those incurred in favor of personnel with the category of "Hired Doctor type A," under the provisions of the aforementioned collective agreement. Depending on the beneficiary's origin, they may include a monthly allowance of up to 400 euros for mobility expenses and 300 euros for the transfer of dependent family members.

NINTH. DEADLINE FOR SUBMISSION OF APPLICATIONS

The period for submitting applications to participate in the selection process will begin at zero (0) hours following the day of publication of the call for applications in the TOUM and will last until 23.59 hours (peninsular time) on 31 May 2023.

1. Each applicant shall be responsible for the veracity of the data in the application form and those resulting from the attached documentation; however, authentic documentation is not required in all cases. The concealment or falsification of such data shall determine the

exclusion from the selective process after hearing the person concerned for five (5) working days.

2. If the concealment or falsehood is detected after the signing of the employment contract, disciplinary proceedings shall be opened, and the contract may be terminated for this reason. If the fault is related to authentic documentation provided in the process after the award and before contracting, the facts shall be brought to the attention of the Public Prosecutor's Office, if appropriate.
3. Only one application per applicant will be accepted for this call for applications. Infringement of this rule will result in excluding all applications submitted by the same applicant.

TENTH. ADMISSION OF APPLICATIONS.

1. Once the deadline for the presentation of applications has expired, the hiring committee, through the Research Area, shall proceed to examine the applications registered.
2. For this purpose, it shall verify the concurrence of the admissibility requirements set forth in the second base, which may require the correction of the corresponding applications, if applicable.
3. Subsequently, the hiring committee, having reviewed the applications and possible corrections, shall proceed to propose to the contracting body the approval and publication of a provisional list of admitted and excluded applicants, indicating, with respect to the latter, the cause of exclusion and whether it can be corrected or cannot be corrected.
4. In the same resolution, ten (10) working days shall be established for the provisionally excluded applicants to correct any deficiencies that may be rectified, with the warning that if they fail, they shall be definitively rejected.
5. Once the aforementioned period has elapsed, the contracting commission shall propose to the contracting body to approve and make public the definitive list of admitted and excluded candidates, reiterating, concerning the latter, the cause or causes of inadmissibility.
6. The resolution approving the aforementioned definitive list may not invoke causes of exclusion that had not been previously set forth individually in the provisional answer of admitted and excluded applicants.
7. If there are no applicants to whom the temporary exclusion is appropriate, the definitive resolution of admitted applicants shall be issued directly. The same shall be observed if all the candidates excluded are excluded due to defects that cannot be rectified.

ELEVENTH. CONTRACTING COMMISSION

1. In the exact resolution by which the definitive list of candidates admitted and excluded is published, the contracting body shall also agree and make public the composition of the Hiring Committee that will act as the assessment body for the process.
2. The Hiring Committee, with the pertinent modifications according to subsequent mandatory rules, shall be made up of:
 - a. The Vice-Rector with competence in research of the University of Murcia, who shall act as Chairperson.

- b. The general research coordinator of the University of Murcia, who will act as vice-president.
 - c. Three (3) members will be experts in the lines of action of the AGROALNEXT project.
 - d. A civil servant belonging to the Area of Investigation who will assume the secretary functions.
3. It will be tried that the Hiring Commission has a balanced composition of doctors.
4. For communications and incidents, the Hiring Committee shall have its headquarters at the Office of the Vice-Rector for Research of the University of Murcia, Research Area (e-mail: agroalimentacion@um.es).
5. The members of the Hiring Committee shall refrain from intervening, notifying the contracting body if any of the reasons for abstention provided for in Article 23 of Law 40/2015 of October 1 apply to them and may be challenged by the applicants, for the same reasons, at any time during the processing of the procedure and by the provisions of Article 24 of the same law. For these purposes, having been the personal director, co-director, or tutor of a doctoral thesis of any of the applicants will be considered a direct interest.
6. The Contracting Committee shall be constituted, upon being convened by the Chairperson, with the necessary attendance of the Chairperson, the Vice Chairperson, the Secretary, and two (2) members. Once the Contracting Committee has been constituted, there shall be no room for substitutions, except in the case of duly justified inability to act or in the case of appropriate recusal after the constitution of the Contracting Committee, if any of these circumstances entail the risk of lack of quorum in successive sessions, in which case the contracting body shall provide the necessary substitutions, in respect of which the same abstention and recusal regime indicated in section 5 shall apply.
7. After its constitution and to act validly in subsequent sessions, the Contracting Committee shall require the presence of the Chairman, the Secretary, and at least two (2) members as a quorum. In the event of the absence of the persons holding the office of Chairman or Secretary at a specific meeting or meetings, they shall be substituted and acted as such, in the case of the Chairman, by the Vice-Chairman or Vice-Chairwoman, and, for the Secretary, by the member with the least seniority in the civil service. In such case, the person acting as an alternate shall not be counted to obtain the presence of at least two (2) members.
8. The procedure of the Hiring Committee shall at all times comply with the provisions of Laws 39 and 40 of 2015, of October 1, 2015, regarding, respectively, the procedural requirements insofar as they apply to public employment selection processes and its nature as a collegiate body and the correlative operating guidelines.
9. The functions of the Hiring Committee are as follows:
 - a. To resolve any doubts that may arise in applying the rules governing the call for applications, including its terms and conditions, as well as what should be done in the cases not provided for therein.
 - b. To carry out the tasks entrusted to it under this call, particularly those indicated in this base and base thirteen.
10. The Hiring Committee may not propose that a more significant number of applicants have passed the selection process than the number of contracts called. Any proposal of successful candidates that contravenes the provisions of this basis shall be null and void.
11. For possible administrative appeals against the decisions of the Hiring Committee that may be subject to independent challenge, it is at this moment stated, for information purposes,

that the hierarchical superior of the Hiring Committee is the Rector of the University of Murcia.

TWELFTH. PUBLICATIONS

For the purposes provided for in Article 45 of Law 39/2015, of October 1, any subsequent communications to which this call gives rise, and which must be notified to the interested persons, shall be made by publication of the act or resolution in question in the TOUM, replacing the personal notification and having the same effects.

THIRTEENTH. EVALUATION OF APPLICANTS AND RESOLUTION OF THE PROCEDURE

1. The selection of candidates will be carried out competitively. For this purpose, the scientific-technical evaluation of the submitted applications will be carried out by a panel of scientists of recognized prestige external to the University of Murcia, who will issue an individualized and reasoned report for each of the evaluations. The evaluation criteria will be those established in the fourteenth base.
2. Once the evaluation has been concluded, the reports will be sent to the Hiring Committee, which given the same, will propose to the hiring body to publish a list of the applicants evaluated, in the order of their classification, using a resolution that will grant a period of ten (10) working days for the formulation of allegations, and which will contain a provisional proposal for hiring in favor of the selected applicants, as well as the amount granted in each case for the execution of the proposed research project.
3. At the end of the period for allegations, the Contracting Committee, after studying them, if applicable, will formulate to the contracting body a final proposal for the contracting of the selected persons, which will be published. The final hiring proposal will include, listed in order of qualification, all the applicants evaluated in the selection process and the amount respectively granted for the execution of the research project presented. Said proposal, the allegations raised, the report on the same made by the Contracting Commission, and the file as a whole shall be submitted to the contracting body for the adoption of the appropriate final decision.
4. In any case, the lack of presentation of allegations within the periods established for this purpose shall allow the provisional proposal to be considered definitive, which shall be expressly stated in the proposal.
5. The Hiring Committee may not propose hiring a greater number of applicants than the number of contracts called for. However, the proposal shall also include a list of alternate candidates, classified in the corresponding order, in the event of a vacancy in any of the contracts foreseen in the sixth base, who, if applicable, would be called to be hired if any of the selected candidates should not be hired, whether of their own free will or for any other reason, as well as if, within the first six (6) months of the contract term, they should cease to be hired for any reason whatsoever.
6. The contracting body shall issue a decision following the proposal of the Contracting Committee unless, if appropriate, it deems it appropriate to consider the allegations, in which case it shall issue a decision based on what it considers to be in accordance with the law.
7. The definitive resolution of the procedure will establish the appropriate period for the selected persons to provide the Human Resources and General Services Department of the University of Murcia with the documents required following the call for applications, as well as to sign the employment contract and the date or period of incorporation to the corresponding job position.

FOURTEENTH. APPLICABLE EVALUATION CRITERIA

The evaluation of the applicants will be verified according to the following criteria:

A. Scientific-technical merits of the candidate in the last five years:

A.1. Trajectory and scientific-technical contribution of the candidate through articles published in indexed scientific journals, books or chapters of scientific and technical books, participation or direction of research projects, and papers presented at relevant congresses in the area of knowledge. The international dimension of the applicant's research activity will also be considered, including mobility, stays in international R&D&I centers, participation in international projects, as a referee or editor in international indexed journals, etc.

This section will also value the activity of transfer of research results accredited through the development of research under contracts signed within the framework of Article 83 of the Organic Law of Universities (LOU), patents granted or licensed, scientific entrepreneurship activity, and, in general, other relevant results of their scientific, technical and innovative training.

Scoring: from 0 to 35 points

A.2. Capacity of the applicant to lead his/her line of research based on scientific and professional experience and independence in his/her career. It will be assessed through aspects such as the direction of research work (training of researchers, doctoral theses, etc.), relevance and recognition of his/her line of research (invitation to international congresses, plenary lecturer, awards, mentions, and distinctions), ability to obtain resources and any other aspect that allows assessing merits related to independence, relevance, and leadership in the proposed line of research.

Scoring: from 0 to 10 points.

Total score for section A: up to a maximum of 45 points.

B. Proposal of research activity to be carried out at the University of Murcia

The quality, originality, and scientific-technical interest and the innovative nature of the research project to be developed and its objectives, work plan, and contribution of the proposal to the achievement of the results of the AGROALNEXT program in the Region of Murcia will be evaluated (Annex II), with a thorough analysis of the ability to achieve the objectives in the time of the contract and its contribution to the milestones defined for the selected line (Annex I).

The evaluation will also include the analysis of the budget presented for the execution of the project in terms of its adequacy to the proposed objectives.

The research proposal must indicate how the tasks and milestones of the actions identified under the line it addresses will be addressed (Annex I).

Total score for section B: up to a maximum of 40 points.

C. Impact on the AGROALNEXT program in the Region of Murcia:

This section will assess how the project and the candidate will enhance the lines and actions of the AGROALNEXT project of the Region of Murcia (Annex II), not only the line and efforts it directs but also other lines and/or actions. As far as possible, the research proposal should contribute to seeking synergies with other program actions and the achievement of additional milestones.

Total score for section C: up to a maximum of 15 points.

FIFTEENTH. MINIMUM SCORES ARE REQUIRED TO PASS THE SELECTION PROCESS.

To pass the evaluation, it will be necessary to obtain a minimum of 75 points, and applications with a lower score will be rejected. In addition, the individual score in each of the three sections (A, B, and C) must be at least 50% of the maximum possible score.

SIXTEENTH. SCOPE OF THE SCORES AND CRITERIA IN CASE OF TIES

In the event of a tie in the score corresponding to the selective process as a whole and that was decisive for the hiring or for the priority on the waiting list, the following criteria shall be applied:

- a. In the first place, the qualification resulting from letter A of the fourteenth base shall be taken into account. If a tie persists, the score resulting from letters B and C, in that order, of the same basis shall be used.
- b. If the situation of equality is total after the application of the criteria expressed in the previous letter, the following rules shall be applied:
 - i. If the situation of a tie is decisive for the assignment of the contract, the assignment shall be made according to the priority resulting from the alphabetical order of the first or only surname of each applicant, under the resolution of May 9, 2022, of the Secretary of State for Civil Service, by which the result of the draw referred to in the General Rules of Entry of Personnel in the Service of the General Administration of the State is published: letter U.
 - ii. If the situation of a tie were to determine the assignment of a place on the waiting list, the alphabetical order of the first or only surname of each applicant shall be used following the provisions of subparagraph i.

SEVENTEENTH. OBLIGATIONS OF THE AWARDEES

1. The persons awarded an employment contract are subject to the following obligations, the satisfaction of which is a condition for the effective hiring and the commencement of the provision of services:
 - a. To provide the relevant documentation before the Human Resources and General Services Area of the University of Murcia following the chronological and substantive conditions outlined in this call and the final resolution of the procedure.
 - b. Sign the employment contract on the date and within the term or the term indicated in the final resolution of the procedure.
2. Failure to comply with any of the obligations referred to in paragraph 1 shall be considered as a waiver of the awarded contract unless there is a justified cause of material impossibility for a period not exceeding fifteen (15) working days, in which case the appropriate communication must be sent to the Human Resources and General Services Area of the University of Murcia, as soon as the reason for the impossibility is established and

accompanied by sufficient supporting documentation. In this case, a postponement may be granted for the time prudently necessary.

3. After signing the employment contract, postdoctoral contracted personnel shall be subject to the following obligations:

a. To join the research activity on the date, within the period, or within the term indicated in the final resolution of the procedure or, as the case may be, in the employment contract. Failure to join within the time established for this purpose may be considered as unilateral termination of the contract unless there is a well-founded cause related to the material impossibility of joining due to temporary disability, maternity or paternity, or other analogous situations under the law.

b. Those inherent to the legal regime of the postdoctoral contract, following the regulations governing the same.

c. To join the UMU Research Group that endorsed the application.

d. The Hiring Committee may request, during the term of the contract, the submission of reports on the status of the research for evaluation, which, if a favorable report is not obtained, may result in the termination of the contract.

e. In particular, within ten (10) months from the beginning of the contract, the contracted person shall submit a report on the development and status of the research project, no longer than three thousand (3,000) words, based on which the Hiring Committee shall evaluate the need to extend the contract.

f. In any case, the research tasks carried out by the postdoctoral contracted personnel must comply with the general and, if applicable, specific instructions issued by the competent bodies of the University of Murcia regarding technical, safety, and control aspects. Likewise, they must comply with the provisions of international principles and current regulations on bioethics, animal experimentation, biosafety, chemical safety, environmental protection, natural heritage and biodiversity, and data protection.

Publish this resolution in the Official Bulletin Board of the University of Murcia, letting the interested parties know that, under the provisions of Chapter II of Title V of Law 39/2015, of October 1, of the Common Administrative Procedure of Public Administrations, in Article 46 and concordant of Law 29/1998, of July 13, regulating the Contentious-Administrative Jurisdiction and in Article 20 of the Statutes of the University of Murcia, approved by Decree 85/2004, of August 27, 2004, may file an appeal for reversal before the Rector of the University of Murcia, within a period of one month, or, directly, a contentious-administrative appeal before the Contentious-Administrative Court of Murcia, within a period of two months, in both cases, from the day following the day of notification or publication and without prejudice to the possibility of filing any other appeal that may be appropriate to their rights.

A contentious-administrative appeal may only be filed once it has been expressly resolved or the request for reconsideration, if any, has been presumptively dismissed.

The Rector, José Luján Alcaraz.

ANNEX I

List of actions from which the applicant must choose to develop his/her research activity.

Candidates must define a research project that develops the actions listed in this appendix for the line they are applying for. This project should allow achieving the milestones identified for the actions in question and, as far as possible, contribute to seeking synergies with other actions of the lines L1, L2, L3, and L4, defined for the UMU within the AGROALNEXT program of the Region of Murcia, which can be consulted in Annex II.

In addition, the persons to whom the aid is granted must participate in disseminating the results obtained and contribute to the awareness-raising actions of the program. Specifically, in the tasks related to the actions corresponding to "Line 7 - Coordination, dissemination and training", favoring collaboration between scientific-technical agents, participating in actions to inform the agrifood sector and society of the advances generated, and promoting innovation adoption.

Likewise, this person undertakes to provide the necessary information for the required justification of the activities carried out within the framework of the Complementary Agrifood Plan.

LINE 1 - SUSTAINABLE PRIMARY PRODUCTION. ECOLOGICAL TRANSITION. (1 postdoctoral contract)

Action 1.1 - Integrated/ecological systems of fertilization and pest and disease control for the reduction of pollution and dependence on pesticides and fertilizers in production systems:

Tasks:

- Development of nutrients from microalgae. Development of fungal and bacterial biofertilizers for agriculture.
- Development and promotion of nature-based solutions and ecosystem services. Development of plant biostimulators for disease control in crops. Development of fungal and bacterial biofertilizers for agriculture. And the development of certification programs for pathogen-free plants.

Milestone: Improvement and development of plant nutrition and pest control systems through the application of nature-based solutions and the application of ecosystem services.

Action 1.2 - Adaptation to climate change. The resilience of agricultural production to the effects of climate change and water scarcity and its role in mitigating risks to society:

Tasks:

- Development of strategies aimed at increasing crop production, resistance to pests and diseases, and better adaptation to environmental changes resulting from climate change. Developing techniques and systems for monitoring and controlling production processes along the agrifood value chain promotes circularity.
- Development of extensive Mediterranean eco-schemes (almond-vine-olive), intensive (traditional horticulture, citriculture, stone fruit) and new crops adapted to organic agriculture. Development of sustainable, resilient, and climate change-adapted agricultural production systems based on using and optimizing natural resources. Research on improvements to facilitate the governance of the agri-food sector.

Milestone: Improvement and development of sustainable, resilient, and climate change-adapted agricultural production systems based on the use and optimization of natural resources.

PROFILE L1:

- A person expert in the cultivation of fungi, bacteria, and algae and their use as biofertilizers for agriculture, to reduce the use of fertilizers and pesticides.
- Expert in sustainable agricultural production systems, resilient and adapted to climate change, based on using and optimizing natural resources.

LINE 2 - ENSURING THE SUPPLY OF HEALTHY, SAFE, SUSTAINABLE AND AFFORDABLE FOOD (1 postdoctoral contract)

Action 2.5 - Development of new packaging/packaging concepts that contribute to product sustainability.

Tasks:

- Research and development of natural additives for food preservation.
- Research and development of new sustainable-biodegradable packaging.

Milestone: Development of sustainable packaging.

Action 2.7 - Market research for new products and services: product development, market segmentation, and labeling for sustainability.

Tasks:

- Research and development of technologies to improve food traceability.
- Research and development of technologies to contribute to packaging sustainability.

Milestone: Development of proposals for understanding consumer needs and preferences and the creation of new businesses and value chains.

PROFILE L2:

Researcher in food science and technology with experience in the research of new packaging materials and techniques and with the knowledge to perform shelf life studies of products with sustainable packaging and market studies on the acceptability of the innovations developed.

LINE 3 - DIGITAL TRANSITION OF THE AGRIFOOD SECTOR.

(1 postdoctoral contract)

Action 3.3 - Research in modeling, prediction, and digital twin systems for decision-making.

Tasks:

- Development and application of methodologies for modeling, prediction, simulation, and data analysis that favor adaptation to climate change of vulnerable Mediterranean ecosystems in the Region of Murcia.
- Research and development of prediction models and evaluation of integrated agronomic and socio-economic models for water basins.

Milestone: Development of models for evaluation, prediction, and simulation of productive processes in agricultural ecosystems.

Action 3.4 - Research disruptive technologies and advanced solutions to improve intelligent monitoring of orchards and farms.

Tasks:

- Research on advanced digital solutions and "Smart Farm Pilot" models (agriculture and livestock).
- Development of Deep Reinforcement Learning (DRL) techniques to detect anomalies in products, livestock diseases, or crop pests; predict costs, prices, and potential failures in industrial equipment.

Milestone: Development of new disruptive digital technologies based on data integration and the use of Artificial Intelligence.

PROFILE L3:

Researcher in data science for modeling systems, digital twins, and predictive systems development.

ANNEX II

List of specific tasks (T) and milestones (H) in each line and action (A) to be developed by UMU within the Complementary Plan of Agrifood, AGROALNEXT project, of the Region of Murcia.

Applicants should take into account this information to develop their project.

LINE 1 - Sustainable primary production. Ecological transition.	
<p>A 1.1 - Integrated/ecological fertilization and pest and disease control systems for reducing pollution and dependence on pesticides and fertilizers.</p>	<p>T1 - Development of nutrients from microalgae. Development of fungal and bacterial biofertilizers for agriculture.</p> <p>T2 - Development and promotion of solutions based on Nature and ecosystem services. Development of plant biostimulators for disease control in crops. Development of fungal and bacterial biofertilizers for agriculture. And development of pathogen-free plant certification programs.</p> <p>H - Improve and develop plant nutrition and pest control systems by applying nature-based solutions and ecosystem services.</p>
<p>A 1.2 - Adaptation to climate change. The resilience of agricultural production to climate change and water scarcity and its role in mitigating societal risks.</p>	<p>T1 - Development of strategies to increase crop production, resistance to pests and diseases, and better adaptation to environmental changes resulting from climate change. Developing techniques and systems for monitoring and controlling production processes along the agrifood value chain promotes circularity.</p> <p>T2 - Development of extensive Mediterranean eco-schemes (almond-vine-olive), intensive (traditional horticulture, citriculture, stone fruit), and new crops adapted to organic agriculture. Development of sustainable, resilient, and climate change-adapted agricultural production systems based on using and optimizing natural resources. Research on improvements to facilitate the governance of the agri-food sector.</p> <p>H - Improvement and development of sustainable, resilient agricultural production systems adapted to climate change based on using and optimizing natural resources.</p>
<p>A 1.3 - Genetic improvement. Research, development, and introduction of new varieties and rootstocks.</p>	<p>T1 - Research new techniques for the conservation and recovery of local varieties adapted to climate change in socially and environmentally vulnerable areas.</p> <p>T2 - Development of techniques (genetic, physiological, agroecology, conservation agriculture) for improving existing varieties and promoting new ones adapted to climate change. Research on nitrification inhibitors and their application in agriculture.</p> <p>H - Diversification and genetic improvement of existing plant varieties and rootstocks and promotion of new genotypes adapted to climate change and resistant to pathogens.</p>
<p>A 1.4 - Agroecological soil management: restoration and fertility enhancement. Soil and landscape conservation.</p>	<p>T1 - Development of guidelines and protocols for good agroecological and conservation agriculture practices, including identifying indicators to detect soil degradation processes and their environmental consequences for other natural resources such as surface and/or groundwater.</p>

	<p>T2 - Development and application of techniques to restore and increase soil fertility and for its conservation and that of the landscape.</p> <p>H - Improvement and development of agroecological practices based on applying conservation agriculture techniques and sustainable soil management.</p>
A 1.5 - Reduction of the use of plastics in agriculture.	<p>T1 - Development of oxo, photo, and biodegradable plastics and research of techniques for the standardization of processes for producing biodegradable plastics.</p> <p>T2 - Application and development of innovative technologies for the management and reduction of plastics in agriculture.</p> <p>H - Development and application of innovative technologies for managing and reducing plastics in agriculture and developing sustainable alternative materials.</p>
A 1.6 - Sustainable and efficient animal husbandry and animal welfare.	<p>T1 - Development of guidelines and protocols for designing new livestock facilities adapted to climate change and applying new ingredients in animal nutrition to achieve sustainable and efficient animal feeding.</p> <p>T2 - Development of specific techniques and adaptations for animal welfare in breeding facilities and research on strategies for reducing the water footprint and circularity in processing.</p> <p>H - Improvement and development of new strategies for sustainable livestock farming and animal welfare, adapted to climate change and with a more significant reduction of emissions and waste discharges.</p>
A 1.7 - Development of strategies to improve animal reproduction and health.	<p>T1 - Design of techniques for improving animal health aimed at pathogen control, development of diagnostic kits and vaccines, alternatives to the use of antibiotics in livestock farming, and development of strategies for sustainable livestock farming and animal welfare.</p> <p>T2 - Design of reproductive technologies to contribute to the adaptation of livestock species to climate change and the creation of a germplasm bank of adapted species.</p> <p>H - Application of new techniques aimed at improving reproduction and animal health in livestock production.</p>
A 1.8 - Management and optimization of the water cycle and its use in the agri-food sector.	<p>T1 - Design of early warning systems against risks and threats and assessment of the environmental impact of different human activities on the water cycle.</p> <p>T2 - Generation of tools integrating observational data, numerical models, and the application of big data and artificial intelligence techniques for the management of the water cycle.</p> <p>H - Improvement and development of water use systems in agriculture at the plot level.</p>
A 1.9 - Water resource governance research based on integrated water management systems.	<p>T1 - Research and development of governance models to improve water management in the agrifood sector.</p> <p>T2 - Development of decision-making tools for water management.</p> <p>H - Application of governance models and decision support systems to optimize water use at the irrigation district and river basin level.</p>

LINE 2 - Ensuring a healthy, safe, sustainable, and accessible food supply.	
A 2.1 - Food and health.	<p>T1 - Developing and applying technologies to improve agrifood products' sensory and nutritional quality, applying sustainable production methods.</p> <p>T2 - Research for obtaining functional ingredients and developing foods with an improved nutritional profile according to the needs of different population groups by applying protocols and processing techniques that allow for obtaining healthy and sustainable foods.</p> <p>H - New proposals and design, formulation, and process solutions for elaborating foods of high nutritional quality and healthy functionality.</p>
A 2.2 - Research and development of new food sources.	<p>T1 - Development of protocols for generating oleaginous fungal biomass for use in the agrifood industry and in animal feed production.</p> <p>T2 - Research and production of new food sources, evaluation of their nutritional quality, and food safety.</p> <p>H - Development of new food sources.</p>
A 2.3 - New food processing technologies and systems.	<p>T1 - Study of the effects of new processing systems/technologies on food safety, nutritional and sensory quality, and shelf life.</p> <p>T2 - Research and development of technologies for sustainable food processing and improved traceability.</p> <p>H - Development of new food processing technologies.</p>
A 2.4 - Obtaining ingredients, additives, and nutraceuticals through innovative and sustainable technologies.	<p>T1 - Application of sustainable technologies for extracting bioactive compounds of nutritional interest that can be used in the agrifood industry as ingredients and additives or in the design of nutraceuticals from different plant substrates.</p> <p>T2 - Research and development of biotechnological techniques based on bacteria and fungi for producing products with high added value that can be used in the food industry and other industrial sectors.</p> <p>H - Generation of high-added value products: extracts, ingredients, additives, and nutraceuticals.</p>
A 2.5 - Development of new packaging/concepts that contribute to product sustainability.	<p>T1 - Research and development of natural additives for food preservation.</p> <p>T2 - Research and development of new sustainable-biodegradable packaging.</p> <p>H - Development of sustainable packaging.</p>
A 2.6 - Food quality and safety.	<p>T1 - Research techniques for hazard control in agrifood companies by assessing the risk of exposure to different pathogen-food combinations and fraud detection along the food chain.</p> <p>T2 - Research on new substances (obtained from by-products, application of aromatic and medicinal plants or their extracts) and development of new formulations of plant origin to improve food quality and safety during shelf life.</p> <p>H - Generation of knowledge and capabilities for controlling microbiological and chemical risks, fraud, and traceability.</p>

<p>A 2.7 - Market research for new products and services: product development, market segmentation and labeling for sustainability.</p>	<p>T1.1 - Research and development of technologies to improve food traceability.</p> <p>T1.2 - Development of guidelines to promote the consumption of responsible and healthy products, including the development of new naturalness indexes.</p> <p>T1.3 - Developing and implementing innovative marketing strategies to promote sustainable agrifood products.</p> <p>T2.1 - Research and development of technologies to contribute to packaging sustainability.</p> <p>T2.2 - Development of studies of perceptions on the consumption and acceptability of food products.</p> <p>T2.3 - Study of food markets to improve efficiency in developing new products.</p> <p>H - Development of proposals for understanding consumer needs and preferences and the creation of new businesses and value chains.</p>
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<p>LINE 3 - Digital transition of the agrifood sector.</p>	
<p>A 3.1 - Precision agriculture.</p>	<p>T1 - Research and development of edge computing solutions for solutions with low coverage and learning algorithms and AI to predict agronomic needs.</p> <p>T2 - Application and development of satellite imagery and environmental sensors to identify crop anomalies (lack of water or nutrients, pests).</p> <p>H - Development of Big Data techniques, learning algorithms, and methodologies for the intelligent analysis of satellite images with different agronomic applications.</p>
<p>A 3.2 - Research and development of digital applications for small and medium-sized producers.</p>	<p>T1 - Research, development of digital solutions, and validation of prototypes for efficient energy use and improved communications in small farms.</p> <p>T2 - Development of tools to create automatic irrigation and efficient fertigation systems.</p> <p>H - Design, develop, and validate digital tools, prototypes, and automatic systems adapted to small farms.</p>
<p>A 3.3 - Research in modeling, prediction, and digital twin systems for decision-making.</p>	<p>T1 - Development and application of methodologies for modeling, prediction, simulation, and data analysis that favor adaptation to climate change of vulnerable Mediterranean ecosystems in the region of Murcia.</p> <p>T2 - Research and development of prediction models and evaluation of integrated agronomic and socio-economic models for water basins.</p> <p>H - Development of models for evaluating, predicting, and simulating productive processes in agricultural ecosystems.</p>
<p>A 3.4 - Research on disruptive technologies and advanced solutions to improve smart monitoring of orchards and farms.</p>	<p>T1 - Research on advanced digital solutions and "Smart Farm Pilot" models (agriculture and livestock).</p> <p>T2 - Development of Deep Reinforcement Learning (DRL) techniques to detect anomalies in products, livestock diseases, or crop pests; predict costs, prices, and potential failures in industrial equipment.</p> <p>H - Development of new disruptive digital technologies based on data integration and Artificial Intelligence.</p>

<p>A 3.5 - New systems for rapid monitoring of quality and food safety parameters.</p>	<p>T1 - Development of mechanisms for ingesting data from multiple heterogeneous sources from different IIoT (Industrial Internet of Things) devices, from the field to the table, and in the development of specific sensors.</p> <p>T2 - Research and application of new sensors/actuators with local processing and local decision-making capabilities to improve quality management.</p> <p>H - Development of new fast analysis devices and sensors to ensure food quality and safety.</p>
<p>A 3.6 - Digitization of safety and quality systems in production, post-harvest, transportation and carbon footprint efficient distribution.</p>	<p>T1 - Definition and development of distributed recording systems (e.g., blockchain) to improve the traceability of all processes.</p> <p>T2 - Realization and study and development of optimization algorithms for using cold equipment in transport.</p> <p>H - Development and implementation of recording of the leading environmental variables responsible for the deterioration of the quality of perishable products.</p>
<p>A 3.7 - Research on the design of marketing innovation mechanisms based on predictive models and big data.</p>	<p>T1 - Conduct studies on the development of Dynamic pricing models, which adapt the price of food according to quality and availability.</p> <p>T2 - Development of marketing services based on users' previous transactions.</p> <p>H - Development of new food marketing models based on supply availability and demand customization.</p>

<p>LINE 4 - Circular Economy.</p>	
<p>A 4.1 - Strategies for reducing and mitigating emissions and greenhouse gases and soil conservation in agricultural production.</p>	<p>T1 - Application and development of strategies for nutrient reduction and recycling.</p> <p>T2 - Implementation and development of strategies for promoting a circular economy.</p> <p>H - Identification, implementation, and promotion of practices, measures, and solutions for reducing emissions in the agrifood sector.</p>
<p>A 4.2 - Recovery of wastes and by-products.</p>	<p>T1.1 - Investigation of by-products from the agrifood industry, characterization, and application of new processes aimed at zero waste production.</p> <p>T1.2 - Obtaining bioactive compounds for their application in the food, cosmetic and pharmaceutical industries.</p> <p>T2 - Valorization of by-products derived from the agro-food industry for the development of ingredients of nutritional and technological interest through the application of sustainable and environmentally friendly production techniques.</p> <p>H - Valuation and generation of secondary products from agro-food waste.</p>

<p>A 4.3 - Waste reduction, nutrient circularity. Agrocomposting.</p>	<p>T1 - Research and development of mixed livestock-agriculture production system models.</p> <p>T2 - Research solutions to reduce food losses and waste in the food chain and their valorization.</p> <p>H - Development of organic fertilization systems through agro-composting and application of production systems with nutrient circularity.</p>
<p>A 4.4 - Improving the sustainability of agricultural production and food production through life cycle analysis of management and technological alternatives.</p>	<p>T1 - Research and development of technological solutions for agricultural management.</p> <p>T2 - Research and application of technologies to contribute to climate adaptation and sustainability in agricultural production.</p> <p>H - Development of sustainable production technologies and practices that contribute to reducing the effects of climate change on agriculture.</p>
<p>A 4.5 - Economics and management of natural resources and the environment in the agrifood chain.</p>	<p>T1 - Development of sustainability, digitalization, and circular economy strategies in the agrifood value chain.</p> <p>T2 - Development of tools to improve agricultural planning and waste reduction in agriculture.</p> <p>H - Characterization and analysis of natural resource management in circular economy processes adapted to the agrifood sector.</p>
<p>A 4.6 - Water reuse. Agronomic use of alternative water sources and their impact on food safety and quality.</p>	<p>T1 - Development of guidelines, standards, and protocols for water use and reuse in agricultural and livestock systems.</p> <p>T2 - Development of technological solutions to improve water reuse.</p> <p>H - Development of protocols and techniques for water reuse in agricultural, livestock, and food systems.</p>

LINE 5 - Innovation and transfer for transformation.

<p>A 5.1 - Creation of an environment of connection between the ACs for R&D transfer.</p>	<p>T1 - Definition of a think tank to identify examples for transfer and innovation and to collaborate with other ACs to exchange best practices.</p> <p>T2 - Interaction with the regional Digital HUB to identify needs and determine possible areas of collaboration and transfer.</p> <p>H - Identification of ideas and solutions with transfer potential at the regional level and interaction with the rest of the Autonomous Regions in developing this R&D&I transfer process in the agrifood sector.</p>
<p>A 5.3 - Development of a holistic and transversal platform for agrifood services based on AI and IoT technologies.</p>	<p>T1 - Development of AI modules based on ML and DL to perform data analysis and perform predictive and trend modeling on data for agrifood services development.</p> <p>T2 - Development of an IoT sensor data and information management platform to integrate with other open data sources.</p> <p>H - Development of AI platforms and modules that allow the optimization of the different agrifood services proposed in the project.</p>

LINE 6 - Reinforcement of infrastructures and resources to improve the competitiveness of R&D&I entities and promote transfer to the market.	
<p>A 6.2 - Investments, start-up, and improvement of research, development, demonstration, and transfer of infrastructures and equipment.</p>	<p>T1.1 - Acquisition of equipment for installing a dynamic in vitro digestion platform to carry out studies on accessibility, bioavailability, and changes in the intestinal microbiota, aimed at evaluating the digestive utilization of nutrients and the behavior of new ingredients in the gastrointestinal tract.</p> <p>T1.2 - Design and acquisition of a comprehensive automated agronomic environment digitization laboratory to evaluate the agro-water-energy nexus.</p> <p>T1.3 - Acquisition of an integrated NextSeq 1000 sequencing system for automated generation of DNA clones by bridge amplification, sequencing, primary analysis, and secondary analysis to improve the research capabilities of the projects to be developed.</p> <p>T1.4 - Acquisition of a module with a high-tech plant growth camera, including time-lapse applications that will increase the possibilities of experimentation in plant development and hormone control.</p> <p>H - Acquisition of the necessary infrastructures to strengthen the R&D&I capabilities of the different institutions involved in the project.</p>
<p>A 6.3 - Attracting talent for the green and digital transition. The attraction of national and international talent that allows the development of the program with the highest level of excellence.</p>	<p>T1 - Recruitment of the necessary talent for the development of the program.</p> <p>H - Recruitment of the necessary talent to strengthen the R&D&I capabilities of the different institutions involved in the project.</p>

LINE 7 - Coordination, dissemination, and training.	
<p>A 7.1 - Promotion of scientific cooperation and coordination among the Autonomous Regions.</p>	<p>T1 - Promotion of the different activities developed to cooperate and coordinate the scientific activity among the ACs integrated in the program.</p> <p>T2 - Development of the platform for collaboration in the virtual resource center.</p> <p>H - Interregional collaboration between the different Autonomous Regions to optimize the available resources.</p>
<p>A 7.2 - Organization of conferences, courses, workshops, and seminars (face-to-face and online).</p>	<p>T1 - Organization of courses, workshops, and conferences in which researchers and the productive fabric of the agrifood sector can reflect on needs, technological offerings, and project results.</p> <p>T2 - Development of virtual material to share in training activities.</p> <p>H - Carrying out training activities.</p>
<p>A 7.4 - Encouragement of congresses and activities for the dissemination and promotion of research activity.</p>	<p>T1 - Collaboration in developing congresses and activities aimed at disseminating and promoting the results obtained in the program.</p> <p>H - Carrying out scientific-technical events to disseminate and exchange information of broad scope.</p>
<p>A 7.5 - Actions framed within the Open Science policy.</p>	<p>T1 - Contribution to fostering the development of open science for disseminating program results.</p> <p>H - Improvement of transfer processes to the sector through open publication.</p>

ANNEX III
RESPONSIBLE DECLARATION
(Protection of personal data)

Call for Postdoctoral Contracts in the framework of the AGROALNEX project, Complementary Agrifood Plan

Mr./Ms. _____,
with DNI/PASSPORT/NIE _____, national of _____ (official name of the State of which you are a national), under the provisions of the Organic Law 3/2018, of December 5, on the Protection of Personal Data and guarantee of digital rights, I declare under my responsibility that I am informed or informed about the fact that:

1. My personal data will be included in a personal data file owned by the University of Murcia, which guarantees its security and confidentiality and whose purpose is the management of this call, as well as the economic management derived from this, being foreseen its transfer to the competent public sector entities and, in particular and where appropriate, to the Seneca Foundation - Science and Technology Agency of the Region of Murcia, for the process of scientific-technical evaluation of applications; to the Ministry of Science and Innovation, for the justification of the execution of the program, and to the competent Administrations in matters of Social Security and taxation.
2. I can exercise before the General Secretariat of the University of Murcia the rights of access, rectification, deletion, limitation of processing, portability and opposition provided for in the Organic Law 3/2018, of December 5. Asimismo, autorizo expresamente a la Universidad de Murcia para que pueda emplear, publicar o divulgar mi nombre y mi imagen en las comunicaciones que realice con finalidad solo informativa o divulgativa vinculada al servicio público de la educación superior universitaria, tanto en medios de comunicación impresos o audiovisuales como en Internet.

I declare all the above to apply as an applicant and opt for the award of a contract in the call for Postdoctoral Contracts within the framework of the AGROALNEXT project, Complementary Agrifood Plan.

At _____, on ___ of _____ of 2023.

Signature

(electronic signature is recommended)

ANNEX IV

RESPONSIBLE DECLARATION

(Truthfulness of the documentation provided)

Call for Postdoctoral Contracts in the framework of the AGROALNEX project, Complementary Agrifood Plan

Mr./Ms. _____,
with DNI/PASSPORT/NIE/NIE _____, national of _____ (official name of the
State of which you are a national), for my participation in the selective process corresponding to the call for
Postdoctoral Contracts within the framework of the AGROALNEXT project, Complementary Plan for Marine
Sciences.

DECLARE UNDER MY RESPONSIBILITY

- 1st. That I meet the conditions established in Article 13 of the General Law of Subsidies, and I am not
under any of the impeditive circumstances foreseen in the same precept.
- 2nd. That I accept the terms established in the call approved by resolution of the Rector of the
University of Murcia R-[_____] /2023, of [_____] of [_____].
- 3rd. I comply with the requirements established in the said call to be awarded the action in the modality to
which I am applying.
- 4th. That the documentation attached to my application for participation is a true copy of the original in my
possession; that I have the documentation that proves it, and that I will make it available to the
University of Murcia when required, committing myself to keep such documentation at its disposal
during the entire time corresponding to the execution
of the aid.

In _____, at _____ of _____ of 2023.

Signature

(electronic signature is recommended)

ANNEX V

ACCEPTANCE DOCUMENT

Call for Postdoctoral Contracts in the framework of the AGROALNEX project, Complementary Agrifood Plan

APPLICANT'S INFORMATION

Name and surname		DNI/NIF /NIE:	
Telephone:		E-mail:	

DEPARTMENT AND RESEARCH GROUP DATA

Center:	University of Murcia
Department:	
Research Group:	
Principal Investigator of the group:	

This document accredits the acceptance of the referenced Research Group of the University of Murcia for the incorporation of the applicant in case of being beneficiary of one of the Postdoctoral Contracts called within the framework of the AGROALNEXT project, Complementary Agrifood Plan.

At _____, at _____ of _____ of 2023

Principal Investigator of the group:	Vº Bº Director of the department:
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(electronic signature is recommended)

NOTE:

For the application submission, it will only be essential to have the signature of the person responsible for the Research Group, being able to provide the VºBº of the Department at a later date and always before the final resolution of the procedure.