



Funded by
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Department: Human Resources Department,
Research Committee AUTH

Thessaloniki, 23-08-2023
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Project Code: 73577

TO BE PUBLISHED ONLINE

CALL FOR EXPRESSION OF INTEREST

(For submission of proposals for the conclusion of a project lease contract)

The Research Committee (Special Account for Research Funds) of Aristotle University of Thessaloniki (ELKE AUTH), in the framework of the project “**Electrified conversion of plastic waste into olefins & downstream integration**” funded under European Union’s Horizon 2021-2027 Program, with Academic Head Prof. Konstantinos Triantafyllidis, invites candidates to submit proposals for **one (1) position** as described below, through the award of a project contract, starting from the signing of the contract until **31/08/2026**, end date of project, and with a total anticipated remuneration **71.400,00 €** (VAT and taxes included). In case the project is extended, the contract can be extended until the new end date of the project and within the approved limits of its budget.

One (1) researcher/ Chemist, PhD candidate/ until 31-08-2026 / 71.400,00€

Project Description

The overall objective of ELECTRO is to demonstrate a revolutionary technology concept that links the waste and petrochemical industry and provides them with a sustainable, low GHG footprint and scalable circular solution for olefin and polyolefin production. Plastic waste streams such as multilayer plastics, mixed PE/PP/PS and waste PS will undergo catalytic pyrolysis using an electrically heated reactor and the produced plastic waste pyrolysis oil will be used as a feed for steam cracking reactors to produce light olefins that will be further processed into PE and PP, demonstrating the technical feasibility of chemical recycling and the use of plastic waste as a circular carbon feed. In particular, the candidate will work on:

- Synthesis/modification and physicochemical characterization of catalysts for plastic pyrolysis and pyrolysis oil upgrading
- Catalytic pyrolysis of waste plastics and related pristine polymers for in-situ pyrolysis vapor upgrading
- Catalytic upgrading of pyrolysis oil of waste plastics and pristine polymers (ex-situ upgrading)
- Analysis and characterization of plastic feeds and pyrolysis products
- Hydroprocessing of plastics pyrolysis oil
- Study of stability and regeneration of catalysts
- Analysis/processing of results for their dissemination and exploitation

The above tasks will be implemented in the framework of the following work package: **WP1**: Electrified conversion of plastic waste to high-purity pyrolysis oils and **WP5**: Dissemination, training, exploitation and communication. For the above work, cooperation is foreseen with the Coordinator of the project as well as with at least two other researchers.

Required Qualifications

- Degree of University Education in the science of Chemistry
- PhD candidate in thermochemical recycling of plastic waste through pyrolysis and catalytic upgrading of pyrolytic oil
(Note: the status is proven by a recent certificate from the relevant Department, from which it can be seen that the candidates have the relevant status at the time of submitting the proposal)
- Proven knowledge in the field of catalytic pyrolysis of plastics
(Note: The knowledge is documented by a relevant certificate or by a relevant degree/diploma/doctoral thesis/dissertation or by relevant courses of the study cycle (analytical grade and if the correlation is not immediately apparent from the title of the course, the analytical grade should also be accompanied by the description of the course in the Study Guide) or by teaching relevant courses (institution certificate and/or contract).
- Good knowledge of English (level B2)

Additional Qualifications

- Master's degree of University Education in Chemical and Environmental Technology
- Computer skills on a) text processing, b) spreadsheets and c) internet use

Qualifications Assessment

	Qualifications criteria	Credits (Researchers)
1	Master's degree of University Education in Chemical and Environmental Technology	200
2	Computer skills on a) text processing, b) spreadsheets and c) internet use	50

All the qualifications listed above are in relevance with the project requirements and objectives.

Required Documents:

1. Submission of Proposal - Statement (see appendix)
2. Detailed Curriculum Vitae
3. Copies of the Degrees (Note: In case the specialization / direction do not result from the Degree, the Detailed Score should be attached. In cases where the degree is a grading criterion and is not indicated in the copy of the degree then the detailed score is submitted additionally)
4. Copies of certificates and certifications of previous service, as well as any other document that will certify the information mentioned in the CV and which are related to the Required or Additional qualifications-criteria of this call for expression of interest.
5. Copy of certificate of military stats or discharge papers / Copy of deferral of enlistment (for male candidates)

Male candidates must have fulfilled their military obligations or have been legally discharged from them or have been deferred for the entire duration of the project. In case the time for which a deferral of enlistment has been received does not cover in its entirety the duration of the project, ELKE AUTH is obliged to terminate the respective contract at the expiration time of the above deferral. Both the contractor of the Special Account and the

Academic Head Officer of the project are obliged to immediately inform ELKE AUTH one (1) month before the end of the deferral

Proposals and required documents should be submitted either via e-mail to ktrianta@chem.auth.gr or in person or by post to the following address Laboratory of Chemical and Environmental Technology, Department of Chemistry, Aristotle University of Thessaloniki, GR 54124, Thessaloniki, within hours 09:00-14:00 no later than 04/09/2023 at 14:00 Proposals will be attributed a reference number from the Secretariat of the Department of the Academic Head of the project.

This Invitation will be published on the website of ELKE AUTH <https://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> and on the website of "Diavgeia".

For more information and questions regarding the position, candidates may refer by phone to +302310997730 e-mail: ktrianta@chem.auth.gr (Prof. K. Triantafyllidis). For information on the proposal submission process candidates may contact ELKE AUTH at **00302310-994082-22-52-53**

Submitted proposals will be evaluated by a three-member Evaluation Committee based on the requirements/provisions of the call.

The candidate who wishes to submit an objection to the result (Decision for Approval of Results) is entitled to recourse either via e-mail to prosk@rc.auth.gr or in person or by post to the Special Account of Research Authorities of the Aristotle University of Thessaloniki (Research Committee AUTH, 1st floor, Office 101 - 3rd September Str., University Campus 546 36, Thessaloniki, Greece) within five (5) days from the day following the posting of the Decision for Approval of Results on the website of ELKE AUTH and Diavgeia. The candidate has the obligation to be informed about the posting of the results from the website of ELKE <https://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> in the online posting of this call for expression of interest in Diavgeia. Candidates are entitled to access the data of the individual proposal file and the assessment and evaluation papers of their own and of their other co-candidates, upon written request within five (5) days of the day following announcement of the results on the website of Diavgeia and under the conditions of articles 5 of Law 2690/1999, 42 of Law 4624 / 2019 and 6 par. 1 lit. f of the GCC (EU 2016/679).

ELKE AUTH takes all appropriate measures for the protection of personal data during the evaluation process and it is strongly recommended that you read about the data protection policy and your rights on the AUTH website <https://www.auth.gr/gdpr>.

EVALUATION PROCEDURE – OTHER CONDITIONS

1. From all the proposals submitted according to the above specifications, the one that best meets the project's requirements will be selected and awarded a work contract on the basis of contractual freedom.
2. Only proposals / objections that will be received by the set date and time will be considered. In the case of postal submission, the deadline is judged on the basis of the date mentioned in the shipping file, provided that it will be received by ELKE AUTH no later than the announcement of the results. ELKE AUTH bears no responsibility for the content of the candidacy files that will be sent.
3. Changes to the proposals (replacements, corrections or submission of additional documents) are not allowed after the expiration of the deadline.
4. Any diplomas of higher education (undergraduate, postgraduate and doctoral) which are included in the Required or Additional Qualification and have been awarded by institutions abroad, must be accompanied by certificates of recognition by the Hellenic National Academic Recognition and Information Center (Hellenic NARIC). In case the diplomas mentioned above have not been recognized during the submission of the proposal, the relevant application for recognition by NARIC can be submitted. It is pointed out, however, that a contract cannot be concluded without the submission of the recognition of the academic titles by NARIC. In any case, ELKE AUTH reserves the right and discretion, depending on the needs of each research project and especially the time of its implementation, to finally contract with the next candidate that holds such certificates. In addition, when the call for expression of interest stipulates a grading/points scale of the degree, it is required to submit a certificate of the equivalent degree grade issued by NARIC. In the case that, all certificates for the recognition of a degree are provided but the certificate of the equivalent degree grade by NARIC is not submitted, the candidate's proposal will be accepted but no points for the degree will be awarded.
5. In case the diplomas of higher education have been awarded by institutions in Greece and the call requires a grading /points scale of the degree, it is required that the grade is indicated in the presented degree. If the grade is not indicated in the degree, then the detailed course score is presented. In case the degree does not indicate the grade and a detailed course score has not been submitted, the proposal of the interested person is not rejected, but the specific required qualification is not graded.
6. It is pointed out that the procedure for submitting proposals for the conclusion of a project lease contract is not competitive, while the selection of a contractor has the character of accepting the proposal and not "recruitment". The evaluation process will be completed by compiling a ranking list and / or a list of excluded, while those selected will be notified individually. In case of a tie, the proposal of the interested person is selected in order a) with the longest experience, b) with the highest bachelor's degree mark, c) with the highest master's degree mark.
7. The proposal that is first in the ranking table and has the highest score in all the scoring criteria will be the one that will be selected. In case of obstruction of the person who submitted it, the next proposal is selected until the ranking order is exhausted.
8. Any submitted proposal that does not meet the criteria of the call of the expression of interest will not be examined any further and will be automatically rejected.
9. Throughout the duration of the project, it is possible that the selected candidate(s) may be replaced, if necessary, by other candidate(s) of the present call and in accordance with the ranking list.
10. The contract may be extended without restriction, following a decision of the competent body of ELKE AUTH and if the required budget of the project allows it, without a new invitation, until the end date of the project (and in case of extension of the project until its new end date).
11. ELKE AUTH does not undertake any commitment to conclude a contract, as it is left to its full discretion to conclude or not contracts, as well as their number, excluding any claim of the interested parties.
12. The project assignment will take place in accordance with the provisions of the Program Implementation Guide.
13. The knowledge of foreign languages is certified in accordance with the provisions of the Presidential Decree 85/2022 "Determining the qualifications for appointment to positions of public sector" (A' 232/17.12.2022), especially according to the articles 10, 14 par. 3 and 15 par. 7.
14. Foreign documents must be accompanied by photocopies of their official translation into the Greek language except for English, French, German, Italian and Spanish language certificates which, if they meet the conditions of the P.D. 85/2022, are accepted without requiring their translation.
15. For candidates, computer skills shall be certified according to the Presidential Decree 85/2022 "Determining the qualifications for appointment to positions of public sector" (A' 232/17.12.2022), especially according to the article 9.
16. It should be noted that the project assignment to candidates employed in the Public Sector, in Public and Private Bodies, etc. is subject to the provisions of paragraph 14 of Article 12 of YAKED 110427/EYTHY1020/01.11.2016

The President of the Research Committee

Professor Efstratios Stylianidis
Vice Rector Research and Lifelong Learning

SUBMISSION OF PROPOSAL - STATEMENT*
(with consequences of law on false/inaccurate statement)

Mobile phone: E-mail: VAT number:

Please note in this proposal - statement and outside of the postal file the following

(To be completed by the candidate):

The protocol number of this call

I affirm that the information given in
this proposal - statement is accurate and true

SIGNATURE

Date : ___/___/_____

Find attached : 1.
2.

**Incomplete filling of the proposal – statement constitutes a criterion for exclusion*