

INCDDTP BUCHAREST – DIVISION ICPI

3710 / 01.09.2022

ANNOUNCEMENT

INCDDTP Division ICPI with headquarters in 93 Ion Minulescu st., Leather Research Department is receiving applications for a position in the Biosafe Leather research project:

- **Post-Doctoral Scientific Researcher** (researcher in the field of chemistry, COR Code: 211306) with fixed-term employment contract until 30.07.2024, in the research project PN-III-P3-3.5-EUK-2019-0236 “BIODEGRADABLE AND ANTIMICROBIAL RETANNING AGENT AND COATING FOR ECOLOGICAL AND SAFE LEATHER”, contract no. 254/2021, full time position (8 hours/day).

1. To apply for the job/examination, candidates will submit a job application file that shall contain the following documents***:

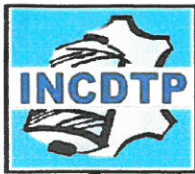
a) application addressed to the head of the institute written in Romanian by candidates with Romanian citizenship, or in English by candidates with citizenship of other states of the European Union or of the European Economic Area, respectively;

b) copy of the identity document or any other document certifying identity, for candidates with Romanian citizenship, or a copy of the identity document translated into Romanian and certified to confirm identity for candidates with citizenship of other states of the European Union or of the European Economic Area, respectively;

c) copies of documents certifying the level of studies and other documents certifying the completion of specializations, as well as copies of documents certifying the fulfilment of specific conditions for the position for candidates with Romanian citizenship, or copies translated into Romanian and certified for candidates with citizenship of other states of the European Union or of the European Economic Area, respectively. For the doctoral degree, candidates with citizenship of a state of the European Union or the European Economic Area will present, according to Order 5923 of 16.12.2016, the document of its recognition/equivalence, issued by The National Centre for Recognition and Equivalence of Diplomas;

d) the record of employment or, as the case may be, certificates attesting to seniority in work, in the trade and/or in the specialty of studies, as duplicates, for candidates with Romanian citizenship, or copies translated into Romanian and certified for candidates with citizenship of other states of the European Union or the European Economic Area, respectively;

e) the criminal record certificate or an affidavit that the person has no criminal history that would make them incompatible with the position for which they are applying, written in



Romanian by candidates with Romanian citizenship, or in English by candidates with citizenship of other states of the European Union or the European Economic Area, respectively;

f) medical certificate attesting to the appropriate state of health, issued no more than 6 months before the job application/exam by the candidate's family physician or by the authorized health units. For candidates with citizenship of a state of the European Union or the European Economic Area, the medical certificate attesting to the state of health must be translated into Romanian and certified;

g) curriculum vitae written in Romanian by candidates with Romanian citizenship, or in English by candidates with citizenship of other states of the European Union or of the European Economic Area, respectively;

*All the documents presented as copies must be accompanied by the original on the date of submission of the file in order to be compared and respectively confirmed against the original by the Secretary of the Hiring Committee who registers the file. The documents can also be submitted in legalized form or in online format depending on the decision of the Hiring Committee.

**In the case of participation in the exam by persons employed in the institute, only those additional documents necessary for participation in the exam and which are not found in the personnel file at the Human Resources Office will be presented.

Job application files shall be submitted to the Human Resources Office in the period 01.09.2022 – 12.09.2022, by 15.30 the latest. Additional information is available from the Secretary of the Hiring Committee, telephone no.: 021.323.50.60/114 or e-mail: dan.vicovan@icpi.ro and icpi@icpi.ro.

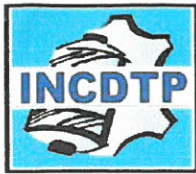
1) General conditions required for the position of Post-Doctoral Scientific Researcher and specific conditions provided in the job description:

a. Postgraduate studies – Doctoral Diploma / Certificate in the field of chemistry/chemical engineering

b. Specific requirements for the position:

- Chemistry and technology of tanning processes, collagen-tannin interaction mechanisms, methods of studying collagen-tannin interaction mechanisms (differential scanning calorimetry, thermogravimetric analysis, thermal microscopy, IR spectroscopy)
- Chemical synthesis and characterization methods of biomacromolecular compounds (liquid phase chromatography, gas phase chromatography, GPC, UV-Vis spectroscopy, mass spectroscopy, nuclear magnetic resonance)
- Quality control in the tanning industry (standard physical-chemical analysis methods)

Digital skills: knowledge of scientific software (Origin, PeakFit, ChemDraw) and graphics software (Adobe Photoshop); digital platforms (Teams, Google)



Social and professional skills: - ability to work in a multidisciplinary team, increased adaptability, ability to communicate (oral, written) in English, scientific writing, scientific rigor.

c. Responsibilities:

- Integration in the work team of the Biosafe Leather project, contract no. 254/2021 and collaboration with the partners of the Biosafe Leather Consortium
- Integration in the team of the Leather Research Department and collaboration in order to fulfil the tasks related to the activities of the Biosafe Leather project
- Participation in the implementation of activities provided in the Biosafe Leather Project Implementation Plan and contribution to the achievement of the objectives/results provided in the Project Implementation Plan.
- Elaboration of scientific reports. Writing scientific articles. Making scientific presentations.

2) Tests for the position of Post-Doctoral Scientific Researcher:

- Selection of application files – 13.09.2022;
- Interview – 16.09.2022, at 09:00 - 10:00, at the headquarters of INCDTP- Bucharest – Division ICPI, 93 Ion Minulescu st., sector 3, Meeting Room, 1st floor
- Written exam – 22.09.2022, at 10:00, at the headquarters of INCDTP- Bucharest – Division ICPI, 93 Ion Minulescu st., sector 3, Meeting Room, 1st floor

3) Bibliography:

1. Tanning Chemistry: The Science of Leather, Anthony D. Covington, RCS Publishing

Chapter 14 – Other tannages

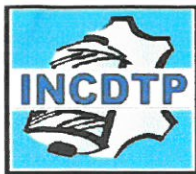
https://books.google.at/books?id=Og7OwDQp0CwC&printsec=frontcover&redir_esc=y#v=onepage&q&f=false

2. Preparation of a highly effective organic tanning agent with wide molecular weight distribution from bio-renewable sodium alginate, Wei Ding at al., Chemistry Select,

<https://doi.org/10.1002/slct.201802540>

3. Molecular weight distribution, rheological property and structural changes of sodium alginate induced by ultrasound, Liping Feng et al., Ultrasonics Sonochemistry,

<https://doi.org/10.1016/j.ultsonch.2016.06.038>

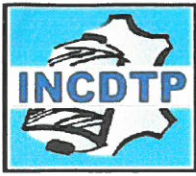


4. Micro differential scanning calorimetry and micro hot table method for quantifying deterioration of historical leather. C. Carsote and E. Badea, Heritage Science

<https://doi.org/10.1186/s40494-019-0292-8>

General timeline for the job application process:

- Submission of application files – 01.09.2022 – 12.09.2022, by 15:30
- Selection of application files – 13.09.2022;
- Notification of file selection results – 13.09.2022, by 15:30;
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Appeals for file selection – 14.09.2022
- Notification of file selection appeal results 15.09.2022, by 15:30
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Interview – 16.09.2022 at 09:00 - 10:00, at the headquarters of INCDTP-Bucharest – Division ICPI, 93 Ion Minulescu st., sector 3, Meeting Room, 1st floor
- Notification of interview results – 16.09.2022, by 15.30;
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Appeals for interview – 19.09.2022
- Notification of interview appeals – 19.09.2022, by 15:30
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Written exam - 22.09.2022, at 10:00, at the headquarters of INCDTP-Bucharest – Division ICPI, 93 Ion Minulescu st., sector 3, Meeting Room, 1st floor
- Notification of written exam results – 23.09.2022, by 15.30;
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Appeals for written exam – 26.09.2022;
- Notification of written exam appeal results – 27.09.2022, by 15:30
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.
- Notification of final results – 28.09.2022;
- Notification shall be done: on the notice board and on the institute's website. File selection results will also be sent to each candidate's e-mail, on condition that each candidate has included a valid e-mail address in their curriculum vitae.



INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU
TEXTILE ȘI PIELARIE-BUCUREȘTI

THE NATIONAL RESEARCH-DEVELOPMENT INSTITUTE FOR TEXTILES AND LEATHER

SUCURSALA - INSTITUTUL DE CERCETARE PIELARIE - INCALTAMINTE
DIVISION - LEATHER AND FOOTWEAR RESEARCH INSTITUTE



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Note: Appeals are only allowed for procedural flaws.

GENERAL DIRECTOR

Dr. ing. Alexandra-Gabriela Ene

