



DOCTORAL PROGRAMME

IN

EARTH SCIENCES

Coordinator prof. Sandro Moretti

XXXVII cycle - academic year 2021/2022



Regione Toscana

GIOVANI Si



The Pegaso Scholarships are financed with the resources of the Region of Tuscany that can represent an advance of POR FSE TOSCANA 2021/27 funds. The Pegaso Scholarships are the Region of Tuscany's project to promote the autonomy of the youth falls within the sphere of "GiovaniSi" (www.giovanisi.it).

SCIENTIFIC AREA	
ADMINISTRATIVE OFFICE	Department of Earth Sciences
REGIONE TOSCANA PEGASO PROJECT 2021	University of Florence University of Pisa University of Siena
<p>POSITIONS AVAILABLE: 15</p> <p>Positions with Scholarship: 13 Positions without Scholarship: 2*</p> <p>* standard ranking only</p>	
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 10	<p>4 - University of Florence</p> <p>2 - Regione Toscana Pegaso Scholarships 2021</p> <p>1 - University of Florence</p> <p>Thematic: "PaleoValRis - Developing an innovative tool for the valorization of paleontological heritage in Tuscany and its risk assessment with the proposal of "preventive paleontology" actions".</p> <p>3 - Department of Earth Sciences</p> <p>1. Thematic: "Geochemical background of Hg, As and Sb in soils, stream sediments and surface and underground waters in the eastern portion of Mt. Amiata (central Italy)".</p> <p>2. Thematic: "Remote sensing technical applications with optical sensors for non-invasive diagnostic environmental analyzes".</p> <p>3. Thematic: "Process of magma migration in active open-conduit volcanoes".</p>

<p>RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPIC SCHOLARSHIPS AVAILABLE: 3</p>	<p>2 - Regione Toscana Pegaso Scholarships 2021**</p> <p>1. Thematic: “Geochemical investigation on air quality in areas of Tuscany affected by anthropogenic and natural pollutant contributions”.</p> <p>2. Thematic: “Innovative methods and data analysis tools for quantitative risk assessment at regional scale”.</p> <p>1 - Istituto Nazionale di Geofisica e Vulcanologia (INGV) on one of the following topics:</p> <ul style="list-style-type: none"> - <i>Magmatic hydrothermal systems: from the dynamics of crustal fluids to the emplacement of eruptive products</i> - <i>Dynamics and hazard of eruptive events at Stromboli</i> - <i>Seismotectonics of the Northern Apennines</i> <p><i>** For Regione Toscana Pegaso Scholarships 2021 a period of training/research in an enterprise, a public research institution or other public institution (not a university) of at least 3 months is mandatorily required.</i></p>
<p>STUDY/RESEARCH PERIODS ABROAD</p>	<p>Mandatory for all positions with scholarship</p>
<p>MANDATORY PERIOD REQUIRED</p>	<p>- 6 months for Pegaso Scholarships 2021 - 4 months for all the other Scholarships</p>
<p>DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion)</p>	<ul style="list-style-type: none"> • Copy of the Identification Document • Self-declaration for qualifications (bachelor’s/Master’s/combined cycle degree) obtained in Italy with a list of all exams taken and their mark, title of the thesis and graduation mark (download the form here make sure you fill in in all the fields) • Foreign qualification required to access with a list of all exams taken and their mark, title of the thesis and graduation mark. <p><i>The same documentation except for the final mark must be submitted by those who will graduate by 31/10/2021</i></p>
<p>DOCUMENTS REQUIRED FOR THE EVALUATION</p>	<p>MANDATORY</p> <ul style="list-style-type: none"> • Curriculum vitae (European format), with indication of qualifications and all publications of the applicant • Research Project <p>OPTIONAL</p> <ul style="list-style-type: none"> • Copy of publications (if any) • Certificate of English proficiency at level B2 or higher
<p>RESEARCH PROJECT</p>	<p>The research project has to be presented in the field of the doctorate topics, maximum length of 12.000 characters (with spaces included), with an abstract, introduction, bibliography and collaborations (the research project is requested with the aim to evaluate the general attitude of the candidate to the research work). The research project can be presented in English language.</p>

	<p>In the application forms, the candidate has to indicate whether he/she wants to participate to the selection for the “standard positions”, to a selection for one of the “positions with specific topics”, or both. In the latter case, the candidate may submit the same project or two different research projects indicating, in the file name of the additional one, “specific research topic scholarship”. If a candidate wanted to participate to different selections for the “positions with specific topics” has to present distinct research projects. It is essential that the candidates clearly indicate the selection/s they wish to participate in and the related research project/s.</p> <p>For the scholarship funded by INGV, one of the three topics on which to present the project must be chosen.</p>															
<p>MODALITY OF EVALUATION</p>	<ul style="list-style-type: none"> • Evaluation of curriculum vitae, research project, publications and other qualification documents • Interview <p>As detailed in the section below “Evaluation Marks”</p>															
<p>OTHER LANGUAGE FOR THE EXAMINATION</p>	<p>English</p>															
<p>INTERVIEW MODE</p>	<p>Remotely (videocall)</p>															
<p>FURTHER INFORMATION</p>	<p>The interview is also intended to verify candidate knowledge of the English language (level B2 or higher). Selection of applicants will follow a two-step evaluation (see scheme below).</p> <p>Step 1) Preselection for admission to the interview: The Committee will evaluate:</p> <ol style="list-style-type: none"> 1) CV (European format) with indication of qualifications (e.g. awards, certificates of research experience and/or attendance of courses relevant to Earth Sciences) and all publications of the applicant. 2) Publications by the applicant attached to the application. Publications will contribute for a maximum of 3 (three) points. 3) Research project. In this phase the project will be evaluated for its coherence with the Doctorate in Earth Sciences and for its feasibility, in general and within the Earth Sciences Program. (Note: the project presented will not necessarily be accepted as the final thesis project for the applicant). <p>Step 2) Interview: The interview will focus on a discussion of the research project presented. Good knowledge of spoken and written English is required.</p>															
<p>EVALUATION MARKS</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">parameters</th> <th style="text-align: center;">minimum score</th> <th style="text-align: center;">maximum score</th> </tr> </thead> <tbody> <tr> <td>Curriculum vitae, qualifications, publications, Research Project redaction</td> <td style="text-align: center;">30/120</td> <td style="text-align: center;">40/120</td> </tr> <tr> <td colspan="3" style="text-align: center;">Applicants who obtain a mark of at least 30/120 in the evaluation of the above parameters will be admitted to the interview</td> </tr> <tr> <td>Interview: discussion of the research project to assess applicant's aptitude for research</td> <td style="text-align: center;">50/120</td> <td style="text-align: center;">80/120</td> </tr> <tr> <td colspan="3" style="text-align: center;">Eligibility is achieved with a minimum score of 80/120</td> </tr> </tbody> </table>	parameters	minimum score	maximum score	Curriculum vitae, qualifications, publications, Research Project redaction	30/120	40/120	Applicants who obtain a mark of at least 30/120 in the evaluation of the above parameters will be admitted to the interview			Interview: discussion of the research project to assess applicant's aptitude for research	50/120	80/120	Eligibility is achieved with a minimum score of 80/120		
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<p>Further information available at the following web page: https://www.dst.unifi.it/vp-272-home.html</p>																

EXAMINATION SCHEDULE

	DATE	TIME
INTERVIEW SPECIFIC RESEARCH TOPIC SCHOLARSHIPS PEGASO SCHOLARSHIP 2021 and INGV	September 2 nd 2021	09:00 a.m.
INTERVIEW STANDARD POSITIONS	September 3 rd 2021	09:00 a.m.

The list of candidates admitted to the interview and the final ranking will be published online at the following web page: <https://www.unifi.it/p12018.html>