

LAW AND HUMAN SCIENCES

Scientific field	10 - Antiquities, philology, literary studies, art history; 11a - History, philosophy, pedagogy and psychology; 12 – Law studies; 04 - Earth sciences; 13 - Economics and Statistics
Academic disciplines	IUS/01; IUS/02; IUS/09; IUS/10; IUS/11; IUS/13; IUS/14; IUS/15; IUS/16; IUS/17; IUS/18; IUS/20; IUS/21; GEO/03; L-ART/02; L-ART/06; L-LIN/01; L-LIN/12; L-FIL-LET/10; M-STO/01; M-STO/02; M-STO/05; M-FIL/02; M-FIL/04; SECS-P/02; SECS-P/08
Coordinator	Professor Barbara Pozzo - barbara.pozzo@uninsubria.it
Duration	3 years
Administrative headquarters department	Law, Economics and Cultural Studies
Scholarships	4 pursuant to Ministerial Decree 351 of 04/09/2022 on the subject of Public Administration 1 pursuant to Ministerial Decree 351 of 04/09/2022 on the topic of Cultural Heritage
Positions without scholarships	0
Admission requirements	Anyone who holds one of the following Master's Degrees may access the Doctoral Program: LMG/01 Master's Degree in Law; LM-1 Cultural anthropology and ethnology; LM-2 Archeology; LM-3 Landscape architecture; LM-5 Library studies; LM-10 Conservation of environmental and architectural heritage; LM-11 Conservation and restoration of the cultural heritage; LM-14 Modern philology; LM-15 Ancient philology, literature and history; LM-19 Information and publishing systems; LM-37 Modern American and European languages and literature; LM-38 Modern languages for communication and international cooperation; LM-39 Linguistics; LM-43 Information technology methods for the humanities; LM-48 Regional, urban and environmental planning; LM-49 Tourism development and management; LM-50 Development and management of education services; LM-51 Psychology; LM-52 International relations; LM-55 Cognitive sciences; LM-57 Adult and continuing education; LM-63 Public administration; LM-62 Political science; LM-65 Performing arts and multimedia productions; LM-78 Philosophy; LM-84 History; LM-85 Education; LM85 bis – Primary education, LM-87 Social services and policies; LM-88 Sociology and social research; LM-89 Art history; LM-91 Methods and techniques for the information society; LM-92 Communication; LM/SC Criminology for investigation and security; LMR/02 Conservation and restoration of cultural heritage; 1/S (second degrees in cultural anthropology and ethnology); 2/S (second degrees in archeology); 3/S (second degrees in landscape architecture); 5/S (second degrees in library studies); 10/S (second degrees in conservation of architectural heritage and environment); 11/S (second

	<p>degrees in conservation of scientific and industrial heritage); 12/S (second degrees in conservation and restoration of cultural heritage); 13/S (second degrees in publishing, multimedia communication and journalism); 17/S (second degrees in philosophy and history of science); 18/S (second degrees in theoretical, moral political and aesthetic philosophy); 22/S (second degrees in law); 24/S (second degrees in computer science for humanities); 40/S (second degrees in Italian language and civilization); 43/S (second degrees in foreign languages for international communication); 44/S (second degrees in linguistics); 54/S (second degrees in regional, urban and environmental planning); 55/S (second degrees in tourism development and management); 57/S (second degrees in planning and management of social services); 60/S (second degrees in international relations); 63/S (second degrees in cognitive sciences); 67/S (second degrees in social and institutional communication studies); 70/S (second degrees in political science); 71/S (second degrees in public sector administration); 72/S (second degrees in religion studies); 82/S (second degrees in environmental and land sciences and technology); 83/S (second degrees in economics for environment and culture); 88/S (second degrees in cooperation and development studies); 89/S (second degrees in sociology); 93/S (second degrees in ancient history); 94/S (second degrees in contemporary history); 95/S (second degrees in history of art); 96/S (second degrees in history of philosophy); 97/S (second degrees in medieval history); 98/S (second degrees in modern history); 99/S (second degrees in European studies); 100/S (second degrees in techniques and methods for the information society); 101/S (second degrees in communication theory); 102/S (second degrees in theory and techniques of legal texts); 104/S (second degrees in translation of literary and technical texts); equivalent titles to second degrees, pursuant to the Ministerial Decree no. 509/1999, or at least 4-year degree according to the previous law (among which, second degree in law, second degree in international relations, 4-year degree in law, 4-year degree in philosophy, and 4-year degree in literature, which are compared to LM-80 Geography; LM-1 Cultural anthropology and ethnology; LM-14 Modern philology; LM-2 Archeology; LM-5 Library studies; LM-15 Ancient philology, literature and history; LM-45 Musicology and musical heritage; LM-65 Performing arts and multimedia productions; LM-37 Modern American and European languages and literature, LM-19 Information and publishing systems, LM-62 Political science, LM-63 Public administration).</p>
Test type	The competition will consist of an interview, which will focus on the discussion of qualifications, the presentation of a research project developed by the candidate on the topics proposed for the PhD scholarships

	<ol style="list-style-type: none"> 1. Sustainable investments in the light of ESG criteria to combat climate change in the oil company sector 2. Sustainable textile supply chain: the sector's adaptation to environmental regulations and the role of the carbon footprint in the textile value chain 3. Sustainability in corporate communication in the textile and fashion industry: legal aspects 4. Sustainability as a win-win strategy: Green Growth in the textile and fashion industries. <p>knowledge of English and any other languages indicated by the candidate</p> <p>Only candidates who obtain at least 40 points will be admitted to the interview</p>
Evaluation criteria	<p>Up to a maximum of 60 points.</p> <p>Qualifications</p> <ul style="list-style-type: none"> - exam marks and, if candidates have already discussed their thesis, final mark (up to a maximum of 30 points); - the research program proposal (up to a maximum of 20 points); - for publications (up to a maximum of 5 points); - advanced courses, research and teaching activities (up to a maximum of 5 points); <p>Only the candidates who have obtained at least 40 points in the qualifications evaluation will be admitted to the oral test</p> <p>The interview will focus on a discussion of the qualifications, a presentation of a research project elaborated by the candidate, and the candidate's knowledge of the English language and other languages by them indicated</p> <p>The evaluation criteria of the research project: originality, congruence with the activities of the phd, feasibility, interdisciplinarity, internationality</p>
Test schedule	<p>Time and place for the test will be communicated with a notice on the website at: www.uninsubria.it/bandodottorati</p>
Qualifications	<p>CV with personal data, education (with courses length and marks), previous research experiences, theses and publications</p> <p>Self-certification, which must be dated and signed, of the academic degree (4-year, second degree or Master's degree), with a list of exams and relative marks, the University which issued the qualification, the attainment date and final mark</p> <p>For graduands: Self-certification, which must be dated and signed, of the exams and relative marks. Please indicate the expected date for the final exam</p> <p>Self-certification, which must be dated and signed, of the Bachelor's Degree qualification, with date, final mark and list of exams with relative marks</p> <p>Thesis Abstract (4-year, second degree or Master's degree)</p>

Research project elaborated by the candidate according to topics and methodological coordinates of the projects that will be selected. In particular:

1. Tools for the protection and management of the territory and the environment, understood as complex systems, dominated by uncertainty which, according to the approach permissible to the ecological transition, require institutions to adopt an evolutionary and adaptive approach. The study project will include the analysis of the dynamics through which the behavioral responses to the constraints placed on environmental protection are formed, from an interdisciplinary perspective.

2. Governance tools (cognitive, planners, programmers, authorizations) that can be used by administrations in response to the dynamics of transformation of the Po Valley area in view of a custodial and regenerative governance of territorial, landscape and environmental resources and in the reorganization of territorial welfare services with the aim of greater urbanity, with an extensive investigation also into the possibilities offered by the use of techniques and devices modeled by the behavioral sciences.

3. Analysis judges the possible organizational and functional redesign initiatives of the National Health Service (NHS) in the postpandemic season, in compliance with the principle of universality and with enhancement - first of all - of the proximity dimension. The analysis should focus on the most recent reforms (including regional ones) and on the devices and techniques aimed at improving the organization, decision-making strategies and procedural trajectories of the health system.

The research activity of the PhD student will concern gender rights and, specifically, the communication of their protection on a territorial basis. The project will have to foresee strategies to implement the methods of training for minors at the various school levels and at all the territorial educational agencies and in the continuous training of the worker, according to the following points of reference:

- “reconstruct and interpret the national and supranational legal framework of reference”;
- “develop autonomous research paths useful for defining and enhancing management, leadership and communication skills that are effective for public organizations”;
- “develop autonomous research paths useful for enhancing new organizational skills”;
- “supporting institutional planning also through the experimentation of innovative tools”;
- submit communication proposals also designed to "promote the digital transition" ... "in order to ensure greater effectiveness, efficiency and cost-effectiveness of public action";

	<p>For this reason, the candidates' proposals must have marked interdisciplinary characteristics, moving between the communicative, legal and psycho-pedagogical fields.</p>
	<p>Failure to send the project proposal will result in the automatic exclusion from the competition.</p>
	<p>Failure to include the project proposal before the deadline will result in automatic exclusion from the public competition</p>
	<p>Publications (including conference presentations)</p>
	<p>Specialization courses, doctoral programs, training courses, master courses, awards, scholarships; research grants and scholarships, teaching activities already carried out (seminars, contracts, honorary fellowships), and collaborations for research activities</p>
	<p>A numbered list of all submitted qualifications</p>

PHYSICS AND ASTROPHYSICS	
Scientific Area:	Physics and Astrophysics
Curricula:	Physics
Reference person:	Prof. Giuliano Benenti – giuliano.benenti@uninsubria.it – tel +39 031 238 6271
Duration:	3 years
Department:	Science and High Technology
Number of Scholarships:	<p>1 pursuant to Ministerial Decree 351 of 04/09/2022 on the subject of Research PNRR</p> <p>The proposal is based on the development and testing of a state-of-the-art portable device (embedding the light source and the detection apparatus) that can open new frontiers in the field of Quantum Technologies, especially for what concerns Quantum Communication, and revolutionize the transmission of secure information in the network of power systems. Our strategy is mainly based on the exploitation of mesoscopic states of light and on the development of a homodyne-like detection scheme based on photon-number-resolving detectors.</p> <p>In this context, the selected candidate will work under the supervision of Prof. Alessia Allevi in the Quantum Optics laboratory and will spend a period of at least 6 months abroad, as well as a few months at RSE S.p.A., an Italian company directly involved in power systems research.</p> <p>The candidate will develop a state-of the-art portable detection device, and he/she will test it in the lab on the reconstruction of benchmark optical states and on the implementation of some basic Quantum Communication protocols. These results will be exploited to implement a Quantum-Key-Distributions protocol in a more realistic scenario. In fact, some tests will be carried out in the test-facility of RSE with the aim of integrating the device with the existing industrial infrastructure and transmitting information between the primary and secondary stations of the electricity grid.</p>
Positions without scholarship:	0
Assessment:	<p>The assessment of each candidate will be based on an interview, consisting on the discussion of a research project sent by the candidate, consistently with the scholarship topic.</p> <p>Assessable Qualifications</p> <ul style="list-style-type: none"> - Self certification or certification of the transcript of records the Bachelor's Degree with date, type of title and final mark; self certification or certification of the transcript of records the Master's Degree with date, type of title and final mark. <p>(max 15 points).</p> <ul style="list-style-type: none"> - Relevance of the scientific profile to the topic of the scholarship, as inferred by the curriculum vitae and the

	<p>recommendation letters - no more than 3-. The letters will be placed directly by the evaluators in the on-line procedure. Applicants will have to enter in the online registration form the name and e-mail address of the referent identified (up to a maximum of 15 points).</p> <p>- Submission of a project consistent with the topic of the call (max 30 points).</p> <p>Candidates must submit and self-certify a list of all the qualifications.</p> <p>Only candidates who obtain at least 40 points will be admitted to the interview</p>
Interview:	The interview will consist in the discussion of the project submitted by the candidate. Interviews can be hold in English
Calendar:	<p>5-9 September, 2022</p> <p>(The schedule will be announced with a subsequent notice on the University website: www.uninsubria.it/bandodottorati)</p> <p>The list of those admitted to the oral test will be published after September 1, 2022</p>
Assessable Qualifications:	<p>Curriculum vitae, including education, research and working experiences, thesis and publications.</p> <p>Self certification or certification of the transcript of records of the Master's Degree with dates, marks, type of title and final evaluation and mark, if applicable</p> <p>Self certification or certification of the transcript of records the Bachelor's Degree with date, type of title and final mark</p> <p>Abstract of the Master Thesis</p> <p>Publications</p> <p>Any other useful qualification such: specialization and postgraduate courses, awards, grants, didactical activities, PhD titles, collaboration to research activities.</p> <p>Recommendation Letters (Max. 3) by University staff and/or employers. The letter will be placed directly by the evaluators in the on-line procedure. Applicants will have to enter in the online registration form the name and e-mail address of the referent identified.</p> <p>The writers of the letters should provide information on their role in their institution, their connection with the applicant, an evaluation of the applicant's past performance in comparison to students (with approximately the same amount of training and experience as the applicant) known during their professional career. The letters should highlight the major strengths and weaknesses of the applicant, with particular regard to his/her ability to pursue and successfully complete the PhD program.</p> <p>The letters will be accepted in the online procedure until 26 August 2022 at 12 pm.</p>

	Language Certifications
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CLINICAL AND EXPERIMENTAL MEDICINE AND MEDICAL HUMANITIES	
Scientific field	05 – Biology; 06 Medicine; 14 – Political and social sciences
Academic disciplines	BIO/09; BIO/11; BIO/13; BIO/14; M-FIL/02; M-FIL/03; MED/02; MED/04; MED/09; MED/10; MED/11; MED/15; MED/17; MED/25; MED/26; MED/39; MED/41; MED/43; MED/44; SPS/01.
Coordinator	Professor Marco Cosentino – marco.cosentino@uninsubria.it
Duration	3 years
Administrative headquarters department	Medicine and Surgery
Scholarships	1 pursuant to Ministerial Decree 351 of 04/09/2022 on the subject of Research PNRR
Positions without scholarships	0
Admission requirements	<p>All candidates who hold a Master's Degree, specifically in one of the following fields, may access the Doctoral Program: medicine and surgery, dentistry and orthodontics, veterinary medicine, literature and philosophy, communication, biology, biotechnology, pharmacy, psychology, chemistry and pharmaceutical biotechnologies, and law and economics.</p> <p>An adequate cultural education and suitable personal journey to undertake the Doctoral Program will be specifically assessed and evaluated during the admission test.</p>
Test type	<p>The selection procedure will be organized in a single test that consists in an interview in which candidates will be asked to defend a theoretical research program about “Innovative platforms to screen the pharmacotherapeutic potential of natural substances and/or new synthetic molecules, by use of waste materials from hospital transfusional centers and new methods of straightforward applicability and transferability”.</p> <p>The proposed research program must be prepared as below described, must be enclosed to with the application (otherwise the candidate will be automatically excluded from the selection), and will be discussed in front of the selection Committee, with regard to:</p> <ul style="list-style-type: none"> • its feasibility in three years • the originality of the proposal • the clarity of the exposition. <p>The research program proposal will have to be written according to the following scheme:</p> <ul style="list-style-type: none"> - title (up to 150 characters including spaces) - rationale (1000-1500 characters including spaces) - aims (250-500 characters including spaces) - methodology (500-1000 characters including spaces) - Gantt chart (if applicable) - expected results (1000-1500 characters including spaces) - necessary resources (250-1000 characters including spaces)

	<ul style="list-style-type: none"> - relevance of the results and dissemination (500-1000 characters including spaces) - references <p>Failure to include the project proposal organized according to the above indicated scheme before the deadline will result in automatic exclusion from the public competition.</p> <p>Part of the interview will be devoted to assessing the candidate's knowledge of a foreign language.</p>
Evaluation criteria	<p><u>Qualifications evaluation criteria</u></p> <ul style="list-style-type: none"> - 10 points for the degree final mark; - 10 points for other academic qualifications; - 15 points for the relevance of the thesis; - 15 points for publications which are pertinent to the themes of the program; - 10 points for other qualifications which are pertinent to the themes of the program. <p>Only candidates who obtain at least 15 points will be admitted to the interview</p> <p>The qualifications must be supplied with (under penalty of exclusion) a list of the qualifications.</p> <p><u>Interview evaluation criteria</u></p> <ul style="list-style-type: none"> - 30 points for the research program proposal; - 30 points for the interview, including the candidate's knowledge of a foreign language.
Test schedule	<p>The date and time for the test will be communicated with a notice on the website at: www.uninsubria.it/bandodottorati</p>
Qualifications	<p>Self-certification, which must be dated and signed, of the academic degree (4-year, second degree or Master's degree), the University which issued the qualification, the attainment date and final mark</p> <p>Self-certification, which must be dated and signed, of any other academic qualifications with date and final mark</p> <p>For graduands: Self-certification, which must be dated and signed, with the expected date of the final exam</p> <p>Thesis (in electronic format) (4-year degree, second degree or Master's degree). Please attach the full version, without this the thesis will not be evaluated.</p> <p>Any publications (including conference presentations). Please attach the full version, without this the publication will not be evaluated.</p> <p>Specialization courses, doctoral programs, training courses, master courses, awards, scholarships; research grants and scholarships, teaching activities already carried out (seminars, contracts, honorary fellowships), and collaborations for research activities;</p> <p>Research program proposal following the abovementioned scheme.</p>

	Failure to include the project proposal organized according to the above indicated scheme before the deadline will result in automatic exclusion from the public competition
	A numbered list of all submitted qualifications. Important: only qualifications included in the list will be evaluated.

CLINICAL AND EXPERIMENTAL MEDICINE AND MEDICAL HUMANITIES	
Scientific field	05 – Biology; 06 Medicine; 14 – Political and social sciences
Academic disciplines	BIO/09; BIO/11; BIO/13; BIO/14; M-FIL/02; M-FIL/03; MED/02; MED/04; MED/09; MED/10; MED/11; MED/15; MED/17; MED/25; MED/26; MED/39; MED/41; MED/43; MED/44; SPS/01.
Coordinator	Professor Marco Cosentino – marco.cosentino@uninsubria.it
Duration	3 years
Administrative headquarters department	Medicine and Surgery
Scholarships	1 funded with by the Fondazione Cariplo Medical Scientist Training Program 2017
Positions without scholarships	0
Admission requirements	Only candidates who are graduated in medicine and surgery are eligible for this doctoral position. Being enrolled in a medical specialization school is a preferred condition, and in particular being in position to enjoy the possibility of a specialization-doctorate connection as allowed by current legislation. An adequate cultural education and suitable personal journey to undertake the Doctoral Program will be specifically assessed and evaluated during the admission test.
Test type	The selection will be based on a test consisting of an oral interview in which the candidate will be asked to discuss a hypothetical research program on an original topic of internal and / or specialist medical interest and which foresees for its realization the coherent and coordinated use of methodologies and clinical and laboratory research activities. The proposed research program must be prepared as below described, must be enclosed to with the application (otherwise the candidate will be automatically excluded from the selection), and will be discussed in front of the selection Committee, with regard to: <ul style="list-style-type: none"> • its feasibility in three years • the originality of the proposal • the clarity of the exposition. The research program proposal will have to be written according to the following scheme: <ul style="list-style-type: none"> - title (up to 150 characters including spaces) - rationale (1000-1500 characters including spaces) - aims (250-500 characters including spaces)

	<ul style="list-style-type: none"> - methodology (500-1000 characters including spaces) - Gantt chart (if applicable) - expected results (1000-1500 characters including spaces) - necessary resources (250-1000 characters including spaces) - relevance of the results and dissemination (500-1000 characters including spaces) - references <p>Failure to include the project proposal organized according to the above indicated scheme before the deadline will result in automatic exclusion from the public competition.</p> <p>Part of the interview will be devoted to assessing the candidate's knowledge of a foreign language.</p>
Evaluation criteria	<p><u>Qualifications evaluation criteria</u></p> <ul style="list-style-type: none"> - 10 points for the degree final mark; - 10 points for other academic qualifications; - 10 points for the relevance of the thesis; - 10 points for publications which are pertinent to the themes of the program; - 10 points for other qualifications which are pertinent to the themes of the program. - the research program proposal (up to a maximum of 10 points) <p>Only candidates who obtain at least 15 points will be admitted to the interview</p> <p>The qualifications must be supplied with (under penalty of exclusion) a list of the qualifications.</p> <p><u>Interview evaluation criteria</u></p> <ul style="list-style-type: none"> - 30 points for the research program proposal; - 30 points for the interview, including the candidate's knowledge of a foreign language.
Test schedule	The date and time for the test will be communicated with a notice on the website at: www.uninsubria.it/bandodottorati
Qualifications	<p>Self-certification, which must be dated and signed, of the academic degree (4-year, second degree or Master's degree), the University which issued the qualification, the attainment date and final mark</p> <p>Self-certification, which must be dated and signed, of any other academic qualifications with date and final mark</p> <p>For graduands: Self-certification, which must be dated and signed, with the expected date of the final exam</p> <p>Thesis (in electronic format) (4-year degree, second degree or Master's degree). Please attach the full version, without this the thesis will not be evaluated.</p> <p>Any publications (including conference presentations). Please attach the full version, without this the publication will not be evaluated.</p> <p>Specialization courses, doctoral programs, training courses, master courses, awards, scholarships; research grants and scholarships, teaching activities already carried out (seminars, contracts, honorary fellowships), and collaborations for research activities;</p>

	<p>Research program proposal following the abovementioned scheme.</p> <p>Failure to include the project proposal organized according to the above indicated scheme before the deadline will result in automatic exclusion from the public competition</p>
	<p>A numbered list of all submitted qualifications.</p> <p><u>Important:</u> only qualifications included in the list will be evaluated.</p>

CHEMICAL AND ENVIRONMENTAL SCIENCES

Scientific field:	Earth Sciences; Biology; Environmental and Occupational Hygiene; Environmental Engineering; Chemistry
Curricula:	1. Environmental Sciences Further information can be found at: https://dottorato.disca.uninsubria.it/
Coordinator:	Prof. Alessandro Maria Michetti - alessandro.michetti@uninsubria.it
Duration:	3 years
Department, administration:	Scienze and High Technology
Scholarships:	4 scholarships fully funded by the GeoSciences IR project (Project code IR0000037)
CUP	I53C22000800006
Positions without scholarship:	0
Requirements for admission:	Any Master's Degree (second or single cycle)
Assessment criteria and assessable qualifications:	Up to a maximum of 60 points for the qualification assessment. Assessable qualifications: - graduation grade and full list of exams, including the marks obtained in the different examinations/activities; the average grade obtained during the degree will be considered; - project concerning the "Research Topics" as per specifications in the relevant section; - relevance of the degree to the subjects of the PhD program; submission of the dissertation title and abstract is mandatory; - publications relevant to the subjects of the PhD program; - further qualifications: presentations to congresses, participations to schools, job activities relevant to the subjects of the PhD program, further degrees, awards. Applicants receiving at least 25 points for the qualification assessment will be admitted to the interview.
Assessment: Interview:	Up to a maximum of 60 points will be awarded for the oral exam, divided as follows: 30 points for the proposed research program; 30 points for the oral interview, including knowledge of the foreign language (10 points). Applicants receiving at least 25 points for the qualification assessment will be interviewed about their scientific interests, the motivations leading them to apply to this PhD program, the definition of a research project, which must be included in the application as a.pdf file and must be relevant to one of the "Research Topics" as per specifications in the relevant section. The goals, methodologies, procedures and scheduling of the project will be assessed during the interview. The cultural background will be assessed, with particular emphasis to the topics of the PhD program. Moreover, the ability to discuss the most important discoveries of the last decades in the chemical and environmental fields, the methodological and research

	<p>competencies (e.g. modelling, lab activities, field activities), the knowledge of English and additional EU languages will be assessed.</p> <p>The applicant may perform the interview in English. Further information can be found at the webpage https://dottorato.disca.uninsubria.it/</p>
Research Topics:	<p>For this call, the research topics available, and the related supervisors, are as follows:</p> <ol style="list-style-type: none"> 1. Seismically-induced landslides: dataset, statistical analysis and evaluation of macroseismic intensity. Development of methods for the realization of earthquake induced landslide inventories (EQILs) by mapping from satellite images. Analysis of spatial models of landslides using GIS software, and catalogs of landslides available globally. Supervisor: Maria Francesca FERRARIO 2. Characterization of Active and Capable Faults through the acquisition and analysis of high resolution DTMs and the interpretation of subsurface geophysical prospecting. Supervisor: Franz LIVIO 3. Analysis of the environmental effects of strong earthquakes, field mapping and monitoring in the emergency phase, interpretation in terms of macroseismic intensity. Supervisor: Alessandro Maria MICETTI 4. Multispectral survey of areas subject to permafrost degradation: use of satellite and drone multispectral data for mapping the permafrost and / or the parameters that can influence the conditions and the thickness of the active layer. Supervisor: Mauro GUGLIELMIN
Calendario prove:	<p>The list of candidates admitted to the interview will be posted at the following address: www.uninsubria.it/bandodottorati</p> <p>The interviews will take place in Via Valleggio 11, Como, on a date between 5 and 6 September 2022. Upon motivated request of the candidate, it will be possible to carry out the interview on the Teams Platform and / or in English.</p>
Titoli valutabili:	<p>NOTE: Candidates are required to submit their Curriculum Vitae in pdf format using the appropriate template that can be filled in and downloaded at the following link: https://www.uninsubria.it/files/cvscienze-chimiche-e-ambientalidocx</p> <p>Self-certification, signed and dated, or certification of the transcript of records of the Master's Degree with date, type of title, final mark and the list of passed exams with their marks</p> <p>Self-certification, signed and dated, or certification of the transcript of records of the Bachelor's Degree (if any) with</p>

	date, type of title, final mark and the list of passed exams with their marks
	For students not holding a Master's Degree: self-certification or certification of the transcript of records of the Master's curriculum with passed exams and marks. State the date when the Master's Degree will be presumably awarded
	Title and abstract of the Master Thesis
	Publications and presentations to congresses (if any)
	Specialization courses, other degrees, awards, scholarships, grants, teaching experience and collaboration to research programs (if any)
	Any other useful qualification

CHEMICAL AND ENVIRONMENTAL SCIENCES

Scientific fields:	Environmental Engineering; Industrial Engineering; Chemistry; Earth Sciences; Biology; Environmental and Occupational Hygiene;
Curricula	2. Chemical Sciences 3. Environmental Sciences Further information can be found at: https://dottorato.disca.uninsubria.it/
Coordinator	Prof. Alessandro Maria Michetti - alessandro.michetti@uninsubria.it
Duration	3 years
Department, administration:	Scienze and High Technology
Scholarships	3 fully funded scholarships: 1 pursuant to Ministerial Decree 351 of 04/9/2022 on the subject of Public Administration 1 pursuant to Ministerial Decree 352 of 04/09/2022 co-financed by the LATI S.p.A. company 1 pursuant to Ministerial Decree 352 of 04/09/2022 co-financed by the Prometeon Tyre Group Srl company
Positions without scholarship	0
Requirements for admission:	Any Master's Degree (second or single cycle)
Assessment criteria and assessable qualifications	Up to a maximum of 60 points for the qualification assessment. Assessable qualifications: - graduation grade and full list of exams, including the marks obtained in the different examinations/activities; the average grade obtained during the degree will be considered; - project concerning the "Research Topics" as per specifications in the relevant section; - relevance of the degree to the subjects of the PhD program; submission of the dissertation title and abstract is mandatory; - publications relevant to the subjects of the PhD program;

	<p>- further qualifications: presentations to congresses, participations to schools, job activities relevant to the subjects of the PhD program, further degrees, awards.</p> <p>Applicants receiving at least 25 points for the qualification assessment will be admitted to the interview.</p>
Assessment: Interview	<p>Up to a maximum of 60 points will be awarded for the oral exam, divided as follows: 30 points for the proposed research program; 30 points for the oral interview, including knowledge of the foreign language (10 points).</p> <p>Applicants receiving at least 25 points for the qualification assessment will be interviewed about their scientific interests, the motivations leading them to apply to this PhD program, the definition of a research project, which must be included in the application as a.pdf file and must be relevant to one of the “Research Topics” as per specifications in the relevant section. The goals, methodologies, procedures and scheduling of the project will be assessed during the interview. The cultural background will be assessed, with particular emphasis to the topics of the PhD program. Moreover, the ability to discuss the most important discoveries of the last decades in the chemical and environmental fields, the methodological and research competencies (e.g. modelling, lab activities, field activities), the knowledge of English and additional EU languages will be assessed.</p> <p>The applicant may perform the interview in English. Further information can be found at the webpage https://dottorato.disca.uninsubria.it/</p>
Research Topics:	<p>For this call, the research topics available, the scientists in charge, and the companies in which the student must carry out at least 6 months of activity are as follows:</p> <p>CV Scienze Ambientali DM 351</p> <p>1- Study, development and application of integrated hybrid techniques for identifying risk factors and accident scenarios, as well as estimating the probability associated with them, that are suitable to be easily used for risk assessment in companies with a Major Accident Risk. In order to study the applicability of the techniques developed and their implementation in appropriate guidelines, the possibility of collaborating with public administration bodies, such as ARPA Lombardia, will be of fundamental importance. Supervisor: Sabrina COPELLI</p> <p>CV Scienze Ambientali DM 352</p> <p>2- Evaluation of products that involve the use of secondary raw materials and plastics of biological</p>

	<p>origin, in order to compare the potential environmental benefits obtained during the production system. To this is added the analysis of the processes that can guarantee a mitigation of impacts, also identifying innovative and latest generation materials that can be used in the production of highly performing goods with applications in aeronautics, in the production of self-extinguishing materials or in 3D printing. Supervisor: Vincenzo TORRETTA; company: LATI S.p.A.</p> <p>CV Scienze Chimiche DM 352</p> <p>3- Synthesis and characterization of self-healing polymers for truck compound applications. Self-healing materials can restore their structure and related properties following physical damage. Self-healing abilities can be achieved through physical or chemical approaches. The project focuses on the synthesis and characterization of copolymers for tire applications with self-healing properties. The collaboration with Prometeon S.r.l. will allow to perform characterization tests on the new material (physical and mechanical properties) by using the advanced instrumentation of the company's laboratories. Supervisor: Lorella Izzo; company: Prometeon Tire Group Srl.</p>
Calendar:	<p>The list of candidates admitted to the interview will be posted at the following address: www.uninsubria.it/bandodottorati</p> <p>The interviews will take place in Via Valleggio 11, Como, on a date between 5 and 6 September 2022, for both the Chemical Sciences and the Environmental Sciences Curricula. Upon motivated request of the candidate, it will be possible to carry out the interview on the Teams Platform and / or in English.</p>
Assessable Qualifications:	<p>NOTE: Candidates are required to submit their Curriculum Vitae in pdf format using the appropriate template that can be filled in and downloaded at the following link: https://www.uninsubria.it/files/cvscienze-chimiche-e-ambientalidocx</p> <p>Self-certification, signed and dated, or certification of the transcript of records of the Master's Degree with date, type of title, final mark and the list of passed exams with their marks</p> <p>Self-certification, signed and dated, or certification of the transcript of records of the Bachelor's Degree (if any) with date, type of title, final mark and the list of passed exams with their marks</p>

	For students not holding a Master's Degree: self-certification or certification of the transcript of records of the Master's curriculum with passed exams and marks. State the date when the Master's Degree will be presumably awarded
	Title and abstract of the Master Thesis
	Publications and presentations to congresses (if any)
	Specialization courses, other degrees, awards, scholarships, grants, teaching experience and collaboration to research programs (if any)
	Any other useful qualification

LIFE SCIENCES AND BIOTECHNOLOGY	
Scientific Area:	Chemical Sciences; Biology; Medicine; Agricultural and Veterinary Sciences
Referent:	Prof.ssa Silvia Sacchi – silvia.sacchi@uninsubria.it
Duration:	3 Years
Department:	Biotechnology and Life Sciences
Scholarships:	1 pursuant to Ministerial Decree 351 of 04/09/2022 on the subject Research PNRR
Places without scholarship:	0
Requirements:	All master degree graduates (graduate degrees, single-cycle graduate degrees or other qualification obtained abroad and recognized as equivalent) can access the PhD course, especially graduates in: Biotechnology, Life sciences, Pharmacy, Chemistry and pharmaceutical technologies.
Assessment criteria:	<p>60 points for the qualifications assessment divided as follows:</p> <ul style="list-style-type: none"> up to 15 points for the graduation grade (or the average grade of all exams for undergraduates); up to 15 points for the relevance of the thesis to the research topics covered by the PhD course; up to 20 points for the congruence, quality, and originality of the research project (6000 characters spaces included) which must be submitted by the applicant, inherent to the topics indicated in the call; up to 5 points for the curriculum and other assessable qualifications; up to 5 points for publications and presentations at conferences; <p>Only candidates who obtain at least 40 points in the evaluation of qualifications will be admitted to the final interview.</p> <p>60 points for the interview (included 10 points for language skills).</p>
Assessment: Interview	The interview will focus on the scientific interests and the motivation of candidates. They will be asked to present their proposal for the development of the submitted research project. Candidates will illustrate purposes, methodologies, timing for implementation, and any critical issues. During the interview, the following aspects will be assessed: a sound scientific background related to the PhD course topics; methodological, research and lab skills; the knowledge of English language. The candidate may perform the competition in English language.
Research project	Prof. Marinelli “Evolution and exploration of Arctic / Antarctic microbial biodiversity for the discovery of molecules with

	biotechnological potential”
Calendar:	Time and place will be made public at the following address: www.uninsubria.it/bandodottorati
Assessable Qualifications:	Complete Curriculum Vitae, including education data, previous research experiences, thesis and publications. Candidates are kindly requested to fill the appropriate form that can be downloaded at the following link:
	Self-certification or certification of the transcript of records of the Master’s Degree with dates, marks, type of title, evaluation and final mark.
	Self-certification or certification of the transcript of records the Bachelor’s Degree with date, type of title and final mark.
	For Students awaiting the attainment of the Master’s Degree: self-certification or certification of the transcript of records of the Master’s curriculum with dates and marks.
	Abstract of the Master Thesis
	Publications
	Any other useful qualification such as: specialization and postgraduate courses, awards, grants, teaching activities, PhD titles, collaboration to research activities.