

ANNEX 1/a			
International PhD program in: APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD			
XXXIV CYCLE – a.y. 2018-2019			
Department	Department of Sciences - Potenza		
Coordinator	Prof. Sabino Aurelio BUFO e-mail: sabino.bufo@unibas.it		
Duration	3 years		
Web site	http://www.phd-science.eu/index.php/en/		
Curricula	<ol style="list-style-type: none"> 1. Geo-Systems, Geo-Resources and Environmental Safeguard 2. Applied Biology 		
Aims and topics	<p>The PhD program in "Applied Biology and Environmental Safeguard" is at its fifth edition having been established by the XXX cycle. It represents the evolution of experiences that in the past have involved teachers and researchers in the scientific community of the University of Basilicata, and affiliated to foreign universities. The PhD program fits into the interdisciplinary field of biological and natural sciences at the crossroads of several fields of study that have a common language and scientific methods. It aims to provide students with the tools for applied research in animal biology, plant, microbial and environmental fields, as well as for research in the areas of environmental monitoring, conservation, environmental protection, and utilization of natural resources, paving the way to research programs on "Geo-Systems and Geo-resources", and implementing new Green and White Technologies in the utilization of natural resources.</p> <p>The PhD program in "Applied Biology and Environmental Safeguard", therefore, combines the skills acquired in the biological fields with those of the "Earth Sciences", both in the Department of Sciences. This PhD program has been created to address research areas that have strong application outcomes, giving priority to technological innovation without neglecting basic research.</p>		
Admission requirements	<ol style="list-style-type: none"> a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term); b) Laurea specialistica/magistrale (D.M. 509/99 and Dm 270/2004); c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call. 		
Available positions	7	With scholarship	Without scholarship
		6 including 1 reserved for graduates in foreign universities	1
Type of scholarships (Description awarding entity and research topic)	<p>Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</p> <p>1 scholarship to the Curriculum Applied Biology in the mandatory topic "Biopolymeric films for the shelf life extension of agro-food products"</p> <p>1 scholarship to the Curriculum Applied Biology in the mandatory topic "In vitro and in vivo metabolomic characterization and evaluation of the biological activity of extracts obtained by local vegetable resources for the production of innovative food supplements"</p> <p>1 scholarship to the Curriculum Geo-Systems, Geo-Resources and Environmental Safeguard in the mandatory topic "Reinjection of fluids in the subsoil: geophysical and environmental problems", with CNR-IMAA</p> <p>1 scholarship to the Curriculum Geo-Systems, Geo-Resources and Environmental Safeguard in the mandatory topic "New materials for filtration and disinfection of wastewater"</p> <p>One of the four scholarships is reserved for</p>		

		graduates in foreign universities.	
	Scholarships funded by BIOINNOVA S.r.l.s. (Potenza)	<p>A period abroad from a minimum of 3 months to a maximum of 6 months and a period in company from a minimum of 6 to a maximum of 12 months is mandatory for all scholarships.</p> <p>1 scholarship to the Curriculum Applied Biology in the mandatory topic "Development of systems suitable for the production of hydrogen from renewable sources"</p> <p>1 scholarship to the Curriculum Applied Biology in the mandatory topic "Selection of algal species suitable for the production of metabolites of industrial interest"</p> <p>Reserved for BIOINNOVA S.r.l.s.</p>	
Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		1	0
Positions without scholarship		<p>1 position to the Curriculum Applied Biology or Geo-Systems, Geo-Resources and Environmental Safeguard:</p> <p>Applied Biology in the following topics:</p> <ol style="list-style-type: none"> 1) The saprophagous insect <i>Hermetia illucens</i>: an innovative and alternative source of chitin and chitosan 2) Isolation, characterization and biological evaluation of onco-nutraceutical compounds from the Mediterranean area: New tools for the treatment of oncological diseases 3) Technical-scientific findings for large-scale breeding of insects for bioconversion 4) Studies of novel pharmacological tools for the treatment of kidney diseases 5) Extraction and characterization of bioactive molecules from plants resistant to plant pathogens; 6) Production and characterization of scaffolds from biodegradable biomaterials of natural origin or nature-inspired for biomedical application; 7) Development of multiclass methods for the simultaneous determination of organic persistent micro-pollutants in the environment; 8) New natural resources for treating type II diabetes. <p>Geo-Systems, Geo-Resources and Environmental Safeguard in the following topics:</p> <ol style="list-style-type: none"> 1) Analysis of brittle structures and fluid flow in the Mesozoic allochthonous units cropping out in the high Agri Valley (Basilicata) 2) Geological-structural study and modelling of the underground water flowing in the fractured carbonates in the Val D'Agri 3) Late Quaternary geomorphological evolution of the Basento River drainage basin (Basilicata, Southern Italy) 4) Deformation mechanisms and inner structure of high-angle fault zones in carbonate rocks 	

Admission procedure	<p>The admission procedure is conducted through the:</p> <p>a) evaluation of qualifications b) evaluation of a research project due to the pilot issue of the chosen curriculum, which will be evaluated together with the titles c) interview</p> <p>For applicants residing abroad, the admission procedure is conducted through the:</p> <p>a) evaluation of qualifications b) interview</p>	
Evaluation criteria for applicants residing in Italy	<p>a) evaluation of qualifications: up to a maximum of 60 points They will be allowed to interview candidates who have achieved a rating of not less than 36 points</p> <p>b) interview: up to a maximum of 40 points The interview will be considered passed if the candidates will be given an overall rating of no less than 24 points</p> <p>Minimum total score: 60 out of 100.</p>	
Evaluation criteria for applicants residing abroad	<p>a) evaluation of qualifications: up to a maximum of 30 points They will be allowed to interview candidates who have achieved a rating of not less than 18 points</p> <p>b) interview: up to a maximum of 40 points The interview will be considered passed if the candidates will be given an overall rating of no less than 24 points</p> <p>Minimum total score: 42 out of 70.</p>	
Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)	Yes	
Assessable qualifications	Graduation Thesis (The candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)	Up to 5 points
	Degree mark	Up to 10 points
	Research project (if due) (It must be written in English using the template in Annex C, and should be related to a theme issued in the chosen Curriculum ; the project will be assessed in relation to: degree of innovation compared to the state of art; clarity of scientific interests and motivations; degree of knowledge of the research theme; degree of sustainability of the proposal, considering the duration of doctoral studies. Maximum length: 16.000 characters)	Up to 30 points
	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)	Up to 5 points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad)	Up to 10 points
Interview program	<p>Will be held in English and evaluated taking into account the ability to deal in organic form the proposed issues, particularly with respect to clarity, the ability to synthesize, to the mastery of terminology and the level of detail and knowledge of the English language. During the interview the knowledge of the Italian language will be assessed.</p>	
Foreign language	English (knowledge of a foreign language will be assessed during the interview)	

Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>September 10, 2018</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the interview: <u>September 18, 2018 - 10:00 a.m.</u> Meeting room - Department of Sciences – Campus di Macchia Romana, 85100 Potenza</p>
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ANNEX 1/b		
PhD program in: CITIES AND LANDSCAPES: ARCHITECTURE, ARCHAEOLOGY, CULTURAL HERITAGE, HISTORY AND RESOURCES		
XXXIV CYCLE – a.y. 2018-2019		
Department	Department of the European and Mediterranean Cultures: Architecture, Environment, Cultural Heritages (DICEM) - Matera	
Coordinator	Prof. Mauro FIORENTINO e-mail: mauro.fiorentino@unibas.it	
Duration	3 years	
Web site	http://dicem.unibas.it/site/home/ricerca/dottorati-di-ricerca.html	
Curricula	Not provided	
Aims and topics	<p>The primary objective is the acquisition of an appropriate knowledge and of the effective theoretical and methodological tools that allow to operate with specific skills and disciplinary specializations and with a real multi - and interdisciplinary capability, in an aware dialogue between humanistic and technical-scientific knowledge for the study, the analysis and the interpretation of the phenomenon of cities and landscapes, with the use of innovative technologies and the design of interventions aimed at their sustainable development:</p> <ul style="list-style-type: none"> • Analysis, interpretation, diagnostics, protection, recovery, enhancement and enjoyment of the architectural, environmental, heritage, historical, cultural, artistic and archaeological assets and of the tangible and intangible heritages and related administrative functions. • Stratigraphic analysis of urban and rural contexts according to the methods of the total history and the global archeology of the landscapes . • Study of natural, energy, water resources and effects of climate change, environmental quality and adaptation strategies for natural, rural and urban systems. • Analysis of the evolutionary processes and the organizational models of the environment to small and large spatial and temporal scale, and projects for urban and landscape regeneration. • Process analysis of land instability, natural hazards, environmental and soil protection, and planning of urban, rural and coastal landscapes. • Analysis of rural and urban greening space, conservation of plant species in the natural environment and in the city. • Use of innovative technologies. 	
Admission requirements	<p>a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term);</p> <p>b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004);</p> <p>c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call.</p>	
Available positions	11	With scholarship
		Without scholarship
		9
		2 including 1 reserved for graduates in foreign universities
Type of scholarships (Description awarding entity and research topic)	Scholarships funded by MIUR	1
	Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"	<p>1 scholarship in the mandatory topic "Architecture & Industry 4.0. Smart Manufacturing for the production of innovative materials in the unfired clay"</p> <p>1 scholarship in the mandatory topic "Matera food atlas. An innovative urban food design models for Agro-Food cycles production innovation city region food system approach – proposals"</p>

		<p>1 scholarship in the mandatory topic "Public Governance of 'Touristic' cities and preservation of local production"</p> <p>1 scholarship in the mandatory topic "Interior Design & provisional works in the wood - furniture - decor - home system: sustainability, tradition, creativity, emergency, security, transformation"</p> <p>1 scholarship in the mandatory topic "On the use of Unmanned Aerial Systems for Soil Moisture Monitoring", in collaboration with Italian Space Agency (ASI)</p> <p>All an abroad stage (min 3 max 6 months) and a stage at a national company (min 6 max 12 months) are mandatory for the three fellowships.</p>	
	Scholarships funded by CNR-IMAA	<p>1 scholarship in the mandatory topic "Towards an operational use of remote sensing data (satellite, drone, ground) for cultural heritage: from Discovery to documentation, monitoring and enhancement"</p> <p>1 scholarship in the mandatory topic "BIG Earth given in the Copernicus ERA for the monitoring of natural and anthropic risks and the evaluation of post-event damage"</p>	
	Scholarships funded by COGEM Srl (Matera)	<p>1 scholarship in the mandatory topic "<i>Dry</i> covering systems for building envelope. Materials and innovative construction processes towards a 4.0 architecture"</p>	
Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	1 1 scholarship in the mandatory topic "Analysis, integration and validation of remote sensing data for the study of ancient settlements (abandoned and continuity of life) in arid and semiarid ecosystems of Tunisia"
Positions without scholarship	1 posto		
Admission procedure	<p>The admission procedure is conducted through the:</p> <p>a) evaluation of qualifications</p> <p>b) valuation of a research project due to the pilot issue "KNOWLEDGE, ARTS AND TECHNOLOGIES FOR THE PROTECTION AND DEVELOPMENT OF ASSETS AND IDENTITARY LANDSCAPES", which will be evaluated together with the titles</p> <p>c) interview</p>		
Evaluation criteria	<p>a) evaluation of qualifications: up to a maximum of 60 points They will be allowed to interview candidates who have achieved a rating of not less than 36 points</p> <p>b) interview: up to a maximum of 40 points The interview will be considered passed if the candidates will be given an overall rating of not less than 24 points</p> <p>Minimum total score: 60 out of 100.</p>		
Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)	Yes		

Assessable qualifications	Graduation Thesis (the candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)	Up to 5 points
	Degree mark	Up to 10 points
	Research project (It must be written in English or Italian, due to the pilot issue of the chosen curriculum, using the specimen in Annex C, and will be assessed in relation to: degree of innovation compared to the state; clarity of scientific interests and motivations; the subject of research knowledge; degree of sustainability of the proposal, considering the doctoral period. Maximum length: 16.000 characters)	Up to 30 points
	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)	Up to 5 points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, ...)	Up to 10 points
Interview program	It can be taken in Italian or English, and will focus on the discussion of the research project presented. During the interview the knowledge of the Italian language will be assessed.	
Foreign language	English (knowledge of a foreign language will be assessed during the interview)	
Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>September 11, 2018</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the interview: <u>September 17-18, 2018 - 9:30 a.m.</u> Meeting room - Department of the European and Mediterranean Cultures: Architecture, Environment, Cultural Heritages (DICEM) - Via San Rocco, 75100 Matera</p>	

ANNEX 1/c	
PhD program in: ENGINEERING FOR INNOVATION AND SUSTAINABLE DEVELOPMENT	
XXXIV CYCLE – a.y. 2018-2019	
Department	Engineering School (SI-UniBas) - Potenza
Coordinator	Prof.ssa Aurelia SOLE e-mail: aurelia.sole@unibas.it
Duration	3 years
Web site	http://ingegneria.unibas.it/site/home/offerta-formativa/dottorati-di-ricerca/articolo64.html
Curricula	<ol style="list-style-type: none"> 1. Methods and Technologies for Environmental Monitoring and Protection 2. Analysis and prevention of natural risks 3. Industrial Engineering and Information Technologies
Aims and topics	<p>The development, implementation and adoption of models of sustainable development requires the convergence of innovative methodologies and technologies covered by different disciplines.</p> <p>Therefore, the main objective of the PhD program is to train researchers of high scientific qualification, capable of contributing to the creation and implementation of innovative development models, efficient, socially sustainable and aimed at the protection of the environment.</p> <p>Future PhDs will be characterized by the ability to integrate specialized expertise with general methodologies and transversal knowledge as well as methodological rigor and sensitivity to application developments.</p> <p>Specialist skills will be acquired in one of the following areas: methods and technologies for monitoring and protecting the environment, methods of analysis, prevention and reduction of natural hazards, management of raw materials, energy systems and industrial production, methods and systems for the treatment and transmission of information.</p> <p>Future graduates will also acquire soft skills in the field of sensors, the satellite platform of tools, modeling and analysis of complex interacting systems and technologies in the public.</p> <p>Topics of the curriculum "Methods and Technologies for Environmental Monitoring and Protection":</p> <ul style="list-style-type: none"> • Sensors and sensing technologies of environmental parameters • Integration and analysis of environmental data • Modelling monitoring, protection and preservation of the environment • Development of strategies and actions for prevention and resolution of environmental problems • Energy saving and distributed micro-generation • Data processing and applications with particular reference to COPERNICUS for environmental monitoring <p>Topics of the curriculum "Analysis and prevention of natural risks":</p> <ul style="list-style-type: none"> • Numerical and experimental approaches for the assessment of seismic vulnerability of structures • Methods and techniques for the mitigation and management of seismic risk • Theoretical and experimental analyses of geotechnical problems • Slope stability and landslide risk reduction • Non-linear analysis of structures • Data processing and applications with particular reference to COPERNICUS for environmental monitoring <p>Topics of the curriculum "Industrial Engineering and Information Technologies":</p> <ul style="list-style-type: none"> • Mechanical engineering design and applied mechanics • Mechanical technologies and industrial plants • Energy conversion systems, Engineering Thermodynamics and fluid flow machinery • Electromagnetism • Devices and systems for telecommunications • Automation and Mechatronics • Applied Physics

Admission requirements	<p>a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term);</p> <p>b) Laurea specialistica/magistrale (D.M. 509/99 and Dm 270/2004);</p> <p>c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call.</p>		
Available positions	11	With scholarship 9	Without scholarship 2
Type of scholarships (Description awarding entity and research topic)	Scholarships funded by MIUR	1 scholarship to the Curriculum Analysis and prevention of natural risks	
	Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"	<p>1 scholarship to the Curriculum Methods and Technologies for Environmental Monitoring and Protection about the pre-assigned topic "<i>Experimental testing of new technology and innovative devices with low environmental impact for the treatment of polluted water and soils.</i>"</p> <p>1 scholarship to the Curriculum Methods and Technologies for Environmental Monitoring and Protection about the given topic "<i>Use of GALILEO system for applications in the fields of the Earth Observation and Operational Meteorology</i>", in collaboration with Italian Space Agency (ASI)</p> <p>1 scholarship to the Curriculum Methods and Technologies for Environmental Monitoring and Protection about the given topic "<i>COPERNICUS system improvement through the development of forward/inverse retrieval algorithms for air quality (CO, NH₃, HNO₃, SO₂, NO₂)</i>", in collaboration with Italian Space Agency (ASI)</p> <p>1 scholarship to Curriculum Analysis and prevention of natural risks about the given topic "<i>Hydrogeophysical modeling finalized to the study and characterization of the fluid flow dynamics in carbonate reservoir</i>", in collaboration with IMAA of Italian Research Council (CNR)</p> <p>1 scholarship to the Curriculum Industrial Engineering and Information Technologies about the given topic "<i>Systems of aerial manipulators and mobile manipulators for logistics, inspection and maintenance</i>"</p> <p>1 scholarship to the Curriculum Industrial Engineering and Information Technologies about the given topic "<i>Optimization of propulsion systems by means of CFD techniques</i>"</p> <p>1 scholarship to the Curriculum Industrial Engineering and Information Technologies about the given topic "<i>Control strategies for reducing energy consumption in production systems</i>"</p> <p>1 scholarship to the Curriculum Industrial Engineering and Information Technologies about the given topic "<i>Low enthalpy thermal recovery by means of ORC systems</i>" in collaboration with ENEA-Trisaia.</p> <p>Scholarships require a stage abroad from 3 to 6 months and a company internship from 6 to 12 months.</p>	

Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	0
Positions without scholarship		1 position to the Curriculum Methods and Technologies for Environmental Monitoring and Protection 1 position to the Curriculum Analysis and prevention of natural risks	
Admission procedure	The admission procedure is conducted through the: a) evaluation of qualifications b) evaluation of a research project due to the pilot issue of the chosen curriculum , which will be evaluated together with the titles c) interview		
Evaluation criteria	a) evaluation of qualifications: up to a maximum of 40 points They will be allowed to interview candidates who have achieved a rating of not less than 24 points b) interview: up to a maximum of 60 points The interview will be considered passed if the candidates will be given an overall rating of not less than 36 points Minimum total score: 60 out of 100.		
Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)	Yes		
Assessable qualifications	Graduation Thesis (the candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)		Up to 5 points
	Degree mark		Up to 20 points
	Research project (It must be written in English or Italian, due to the pilot issue of the chosen curriculum, using the specimen in Annex C, and will be assessed in relation to: degree of innovation compared to the state; clarity of scientific interests and motivations; the subject of research knowledge; degree of sustainability of the proposal, considering the doctoral period. Maximum length: 16.000 characters)		Up to 5 points
	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)		Up to 5 points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, ...)		Up to 5 points
Interview program	It can be taken in Italian or English, and will focus, for each curriculum, on relative issues. During the interview the knowledge of the Italian language will be assessed.		
Foreign language	English (knowledge of a foreign language will be assessed during the interview)		

Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>September 18, 2018</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the interview: <u>September 25, 2018 - 9:00 a.m.</u> Classroom Amatucci – Engineering School – Campus di Macchia Romana, 85100 Potenza</p>
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ANNEX 1/d			
PhD program in: AGRICULTURAL, FOREST AND FOOD SCIENCES			
XXXIV CYCLE – a.y. 2018-2019			
Department	School of Agriculture, Forest, Food and Environmental Sciences (SAFE) - Potenza		
Coordinator	Prof. Marco BORGHETTI e-mail: dottoratostafa@unibas.it		
Duration	3 years		
Web site	http://www2.unibas.it/dottoratostafa/wordpress/		
Curricula	1. Agricultural, Forest and Environmental Science 2. Food Sciences and Engineering		
Aims and topics	<p>The objective is to provide a sound knowledge and know-how (with special reference to: scientific method and procedures, research project organization and ideation, results presentation, evaluation of scientific and technological novelty) in order to build a professional able to conduct research, research management transfer and high-profile extension.</p> <p>In particular, the preparation will be addressed to the following learning objectives:</p> <ol style="list-style-type: none"> acquisition of innovative knowledge in the field of plant science, animal, environmental, land, forest and food technology; autonomy in the design and conduct of original and innovative research projects, ability to publish the results in the most qualified in the industry journals, to communicate them in national and international scientific conferences, as well as audiences of technicians and administrators; ability to manage resources and staff in research both basic and applied, in universities, research institutions, government agencies, enterprises and national and international agencies; ability to promote, in academic and professional contexts, technological advancement, social or cultural area based on scientific knowledge. 		
Admission requirements	<ol style="list-style-type: none"> University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term); Laurea specialistica/magistrale (D.M. 509/99 and Dm 270/2004); Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call. 		
Available positions	8	With scholarship	Without scholarship
		7	1
Type of scholarships (Description awarding entity and research topic)	Scholarships funded by MIUR	<u>1 scholarship</u>	
	Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"	<u>1 scholarship</u> to the Curriculum Agricultural, Forest and Environmental Science in the mandatory topic "New particleboards from underutilized wood species and agro-residues" <u>1 scholarship</u> to the Curriculum Agricultural, Forest and Environmental Science in the mandatory topic "Wildfires severity: spatial and multitemporal calibration of remote sensing images"	

		<p>1 scholarship to the Curriculum Agricultural, Forest and Environmental Science in the mandatory topic "Valorization of primary sector biomass residues for a circular bioeconomy"</p> <p>1 scholarship to the Curriculum Agricultural, Forest and Environmental Science in the mandatory topic "Decision support tools and energy-environmental scenarios for the valorization of endogenous resources and energetic efficiency", in collaboration with IMAA of Italian Research Council (CNR)</p> <p>1 scholarship to the Curriculum Food Sciences and Engineering in the mandatory topic "Biotechnological transformation of lignocellulosic biomass and industrial by-products into high-value products", in collaboration with ENEA-Trisaia.</p> <p>A period abroad from a minimum of 3 months to a maximum of 6 months and a period in company from a minimum of 6 to a maximum of 12 months is mandatory for all scholarships.</p>	
	Scholarship funded by Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata (izs di Foggia)	1 scholarship to the Curriculum Agricultural, Forest and Environmental Science	
Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	0
Positions without scholarship		1 position	
Admission procedure	The admission procedure is conducted through the: <ul style="list-style-type: none"> a) evaluation of qualifications b) interview 		
Evaluation criteria	<ul style="list-style-type: none"> a) evaluation of qualifications: up to a maximum of 30 points They will be allowed to the interview candidates who have achieved a rating of not less than 10 points b) interview: up to a maximum of 70 points The interview will be considered passed if the candidates will be given an overall rating of not less than 50 points <p>Minimum total score: 60 out of 100.</p>		
Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)	Yes		
Assessable qualifications	Degree mark	Up to 10 points	
	Scientific publications (Articles in national and international scientific journals, proceedings of scientific conferences, books or book chapters)	Up to 10 points	
	Research periods at universities and institutions	Up to 5 points	
	Other titles (University degrees or Master Specialization)	Up to 5 points	

Interview program	The candidate's capacity will be assessed on scientific issues, his design skills and his motivation. For the candidates who request it, the oral exam can be held electronically and in English language. During the interview the knowledge of the Italian language will be assessed.
Foreign language	English (knowledge of a foreign language will be assessed during the interview)
Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>September 10, 2018</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the interview: <u>September 13, 2018 - 9:00 a.m.</u> Classroom A20 – School of Agriculture, Forest, Food and Environmental Sciences (SAFE) - Campus di Macchia Romana, 85100 Potenza</p>

ANNEX 1/e			
PhD program in: HISTORY, CULTURE AND KNOWLEDGES OF MEDITERRANEAN EUROPE FROM ANTIQUITY TO CONTEMPORARY AGE			
XXXIV CYCLE – a.y. 2018-2019			
Department	Department of Human Sciences (DiSU) - Potenza		
Coordinator	Prof. Aldo CORCELLA e-mail: aldo.corcella@unibas.it		
Duration	3 years		
Web site	http://disu.unibas.it/site/home/offerta-formativa/dottorati-di-ricerca.html		
Curricula	<ol style="list-style-type: none"> Mediterranean civilizations, institutions and territory Literatures, languages, cultures and knowledge in Mediterranean Europe 		
Aims and topics	<p>The PhD course aims at providing PhD students with the skills required to high quality research, as a result of a strong integration between "knowledge" and "know-how". The planned three-year course focuses on a plurality of themes, from the theoretical debate to the history of mentalities and thought, literary history, social-economic as well as political-institutional history. The course will enable PhD students to conduct original research at a high scientific level, with a special concern for the analysis of the relations between Southern Italy and other countries and/or areas of European countries in the Mediterranean basin. The interest for the historical dynamics will be accompanied by a special focus on the artistic, linguistic, literary, philosophical, and generally cultural experience. Within both <i>curricula</i>, the PhD student will get, on one hand, the ability to exploit all possible sources for historical reconstruction (historical, archaeological, linguistic, literary, artistic, philosophical, as well as audiovisual documents); moreover, he will learn to consider the intellectual expressions in their historical dimension.</p>		
Admission requirements	<p>Degree/Master in one of the following classes of degrees: LM-2, LM-11, LM-14, LM-15, LM-37, LM-39, LM-43, LM-49, LM-62, LM-78, LM-84, LM-85, LM-85 bis, LM-89, LM-90, LM-92, 2/S, 15/S, 16/S, 17/S, 18/S, 24/S, 42/S, 44/S, 55/S, 70/S, 93/S, 94/S, 95/S, 96/S, 97/S, 98/S, 99/S, 101/S.</p> <p>Old system Degrees treated in the same classes or master degrees above according to Ministerial Decree 9th July 2009.</p> <p>Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call.</p>		
Available positions	7	With scholarship 5	Without scholarship 2
Type of scholarships (Description awarding entity and research topic)	Scholarships funded by MIUR	2	
	Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"	1 scholarship tied to the following subject: "The craft facilities of ancient Tarentum: from the archaeological data to new technologies" 1 scholarship tied to the following subject: "Digital Humanities. Digitalizing, managing, creating, and indexing collections of documents in the fields of philology, history, and literature" 1 scholarship tied to the following subject: "Digital Libraries. Digitalizing, managing, creating, and indexing collections of documents in the fields of philology, history, and library science"	

		The recipients of these scholarship will be requested to spend a period abroad (min 3 - max 6 months) and will be offered an internship in a company (min 6 - max 12 months); both the period abroad and the internship are compulsory.	
Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	0
Positions without scholarship		2 positions	
Admission procedure	<p>The admission procedure is conducted through the:</p> <ul style="list-style-type: none"> a) evaluation of qualifications b) written test c) interview <p>For applicants residing abroad, the admission procedure is conducted through the:</p> <ul style="list-style-type: none"> a) evaluation of qualifications b) interview 		
Evaluation criteria	<ul style="list-style-type: none"> a) evaluation of qualifications: up to a maximum of 20 points They will be allowed to written test candidates who have achieved a rating of not less than 12 points b) written test: up to a maximum of 40 points They will be allowed to interview candidates who have achieved a rating of not less than 24 points c) interview: up to a maximum of 40 points The interview will be considered passed if the candidates will be given an overall rating of not less than 24 points <p>For applicants residing abroad:</p> <ul style="list-style-type: none"> a) evaluation of qualifications: up to a maximum of 20 points They will be allowed to interview candidates who have achieved a rating of not less than 12 points b) interview: up to a maximum of 80 points The interview will be considered passed if the candidates will be given an overall rating of no less than 48 points <p>Minimum total score: 60 out of 100.</p>		
Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)	Yes		
Assessable qualifications	Graduation Thesis (the candidate must also submit a summary in Italian or English of the thesis of max 16,000 characters)	Up to 1 points	
	Degree mark	Up to 13 points	
	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)	Up to 3 points	
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, ...)	Up to 3 points	
Written test program	The written test will focus on the topics of the PhD program.		

Interview program	The interview will focus on the topics of the PhD program and on the content of the written test. During the interview the knowledge of the Italian language will be assessed.
Foreign language	English or French or German or Spanish (knowledge of a foreign language will be assessed during the interview)
Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>September 10, 2018</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the written test: <u>September 12, 2018 – 15:00</u> Department of Human Sciences (DiSU) – Via Nazario Sauro, 85, 85100 Potenza</p> <p>Day of the interview: <u>September 19, 2018 - 9:00</u> Department of Human Sciences (DiSU) – Via Nazario Sauro, 85, 85100 Potenza</p>