



PhD in INGEGNERIA DEI MATERIALI / MATERIALS ENGINEERING - 37th cycle

THEMATIC Research Field: MATERIALI SOSTENIBILI PER LA PRODUZIONE DI RETI DI PROTEZIONE

Monthly net income of PhDscholarship (max 36 months)

€ 1325.0

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

Motivation and objectives of the research in this field	The enhancement of sustainability of products for agriculture is of the outmost importance. The present project takes into consideration the case of protection nets and aims at evaluating the recyclability of the polymeric materials used for this application
Methods and techniques that will be developed and used to carry out the research	The research will involve the recycling of the material presently used. Both the case of fully recycled materials and its blends with virgin material will be considered. In detail, the recycled material processability and applicability will be assessed. Characterization may involve structural, rheological and mechanical investigation. Specific tests might be developed, to check the processability on a lab scale.
Educational objectives	The Phd student will learn how to autonomously plan and carry out a research, selecting the appropriate methods and approaches. Through the research he will gain an advanced expertise in polymer recycling, and polymer physico-mechanical characterization.
Job opportunities	The skills from PhD program will allow the doctorate to access a job either in Academia or an industrial research and development department
Composition of the research group	1 Full Professors 1 Associated Professors 2 Assistant Professors



	4 PhD Students
Name of the research directors	Prof. Francesco Briatico

Contacts
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Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents (more than 80Km out of Milano)	--

Scholarship Increase for a period abroad	
Amount monthly	564.01 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p>Confidentiality: since this is a thematic scholarship, the management of Confidential Information, Results and their publication is subordinate to the restrictions agreed upon with the funding company. Upon acceptance of the scholarship, the beneficiary must sign a specific commitment.</p> <p>Educational activities (funding for participation in courses, summer schools, workshops and conferences) - financial aid per PhD student per year: 1st year: - 2nd year: about 1.500 euros per student 3rd year: about 1.500 euros per student</p> <p>Teaching assistantship: availability of funding in recognition of supporting teaching activities by the PhD student: There are various forms of financial of for activities of support to the teaching practice. The PhD student is encouraged to take part in these activities within the limits allowed by the regulation</p>