

# CURRICULUM VITAE OF ANDREA ROSARIO PROTO

Name and Surname	<b>ANDREA ROSARIO PROTO</b>
City, Address, Post code, State	REGGIO DI CALABRIA (RC), FEO DI VITO, 89122, ITALY
Academic institution	<i>Mediterranean</i> University of Reggio Calabria - Department of AGRARIA
Telephone Office	(+ 39) 0965 – 1694275
E-mail	<b>andrea.proto@unirc.it</b>
Certified email address	a.proto@conafpec.it
Web Sites	<a href="http://www.unirc.it/scheda_persona.php?id=822">http://www.unirc.it/scheda_persona.php?id=822</a> <a href="#">Scopus Author ID: 25651995400</a> <a href="#">Researcher ID: A-7256-2012</a> <a href="https://orcid.org/0000-0003-4630-8986">https://orcid.org/0000-0003-4630-8986</a> <a href="https://www.researchgate.net/profile/Andrea_Rosario_Proto">https://www.researchgate.net/profile/Andrea_Rosario_Proto</a>
Position	<p><b>Associate Professor of Wood Technology and Forest Operations</b> at Mediterranean University of Reggio Calabria - Dept. of AGRARIA - SSD/06 - AGRI-03/C at <a href="#">Mediterranean University of Reggio Calabria</a> - Department of AGRARIA;</p> <p><b>President of BSc degree in Forestry and Environmental Science</b> at Department AGRARIA</p> <p>Eligible as Full professor in Wood Technology and Forest Operations (scientific sector 07/B2 – SSD AGR06 – 03/C) according to Italian rules</p>
Keywords	Forest Engineering, Agricultural Engineering, Non-destructive technologies (NDT), Wood Technology, Agricultural & Forest Residues, Biomass, Biofuel, Renewable Energy, Wood Harvesting, Cost, Safety, Health, Environmentally Sensitive Area, Post-harvesting.
Teaching	From 2012 to now, Andrea R Proto held seminars and training activities for the Forest Engineering and Wood Technology sectors. He is responsible for the courses in: Wood technology; Forest operations; Evaluation of standing tree quality at the Bachelor Programme in Forest and Environmental Science at Mediterranean University of Reggio Calabria. Actually, Andrea R. Proto is a member of the Academic Committee of the PhD Programme in Agricultural, Food and Forestry Sciences at the University of Reggio Calabria (Italy). He previously served as a member of the Committee of the International Doctorate in Sustainable Human Development at the University of Milano-Bicocca (Italy), XXXIV cycle. He has supervised and hosted Master's thesis students and PhD candidates from Italy, Romania, and Bulgaria.
Award	<p>Winner of the "<a href="#">Best Paper Awards 2016</a>" at the 49° International Symposium on Forestry Mechanization, Warsaw (Poland) with the paper "Propagation of Noise Generated by Light-lift Helicopters in Natural Environments: a Case Study in the Italian Alps". In: A. Gendek, T. Moskalik. From Theory to Practice: Challenges for Forest Engineering Proceedings and Abstracts of the 49th Symposium on Forest Mechanization. p. 211-217; ISBN: 978-83-943889-9-7, 04-07/09/2016</p> <p>Winner of the "<a href="#">Best Poster Awards 2021</a>" at the 29° European Biomass Conference and Exhibition – EUBCE – 26-29/04/2021 titled "Characterization of emissions from combustion of olive wood chips".</p>

In 2020, Andrea R. Proto he has been nominated as Corresponding Member of the [Italian Academy of Forest Sciences](#). The role of the Academy is to contribute to the progress of forest sciences, and related juridical, historical and economic aspects, considering their implications in silviculture, as fundamental elements for national prosperity.

In 2018, the [Transilvania University of Braşov](#) (Romania) has conferred on Andrea R. Proto the title of **Honorary Professor** and recently (2020) he has been nominated as Corresponding Member of the Italian Academy of Forest Sciences.

Andrea R. Proto is coordinator of several agreement to promote academic collaboration at both faculty and graduate student levels for research and study with the University of West Hungary, Sopron; Mendel University, Brno (Czech Republic); University of Forestry, Sofia (Bulgaria), University of Vigo (Spain) and Transylvania University, Brasov (Romania). Several papers published in refereed journals attest these inter-institutional agreements.

Bibliometric indicators (September 2025):

SCOPUS basis: H-Index: 24; Documents: 95; Total Citations: 1675

WOS basis: H-Index: 21; Documents: 78; Total Citations: 1272

## Patents

1. **Proto, A. R.**, et al. (2025). Metodo di produzione di olio di semi di *Jatropha curcas* e uso di tale olio come olio lubrificante biodegradabile per barra e/o catena di motosega (*Method for producing oil from Jatropha curcas seeds and use of said oil as a biodegradable lubricating oil for chainsaw bar and/or chain*). Patent No. 102024000006559, Italy.
2. **Proto, A. R.**, et al. (2023). Metodo di stima della massa legnosa di una catasta di legna (*Method of estimating the woody mass of a pile of wood*). Patent No. 102021000005972, Italy.
3. **Proto, A. R.**, et al. (2025). Agronomic fertilizer pellet based on polyvalent extinguishing powders. Patent No. EP4209476, European Countries.
4. **Proto, A. R.**, et al. (2022). Pellet fertilizzante agronomico a base di polveri estinguenti polivalenti. Patent No. 102020000018907, Italy.

## CORE SKILLS

Actually authored about 150 scientific works among reports, papers on ISI journals related to Forestry Mechanization, Forest operations, Wood Technology, Non-Destructive Evaluation of Wood, Wood Processing, Agro-forestry Biomass and Occupational medicine. At Mediterranean University of Reggio Calabria - Dept. of AGRARIA, he is the scientific coordinator of Laboratory of Silviculture, Wood Technology and Forestry Mechanization, created with the aim of undertaking studies and research in the Forest-Wood Supply Chain. The Laboratory ranges from the forest knowledge obtained from dendro-auxometric and dendrochronological analysis to the study, investigation, and testing, according to the most up-to-date national and international standards (UNI EN ISO), on wood-based products.

During the last decade, Andrea R. Proto has participated as associated investigator for the National Project "ALForLab" co-funded by the MIUR National Operational Programme for Research and Competitiveness 2007-2013. The aim of this project was to develop and to integrate innovative technologies for improving the mobilization and utilization of forest resources of Southern Italy. Moreover, the project fostered the exploitation of wood, a bio-resource with high environmental sustainability, through actions of industrial research and experimental development in all aspects of the forest-wood chain, from production, processing, to the use of nanotechnology. In the same national project, Andrea R. Proto has been director of the Master Programme – 1.350 hours - "Training of experts and technical research for innovation in the supply chain Forest-Wood-Energy" - PON03PE\_00024\_1/F11.

Recently, Andrea R. Proto has assumed the role of Principal Investigator for several Regional peer-reviewed research projects funded by the Calabria's Rural Development Programme with the scope to identify appropriate and advanced technological innovations of process to increase the quality and processing of wood manufacturing. Last year, Andrea R. Proto has concluded one National project funded by the Ministry of Agricultural, Food and Forestry Policies (MiPAAF), titled "FAESI - Agro-energy supply chains in Southern Italy", to promote agro-forestry biomass management for energy supply at regional level.

### ERC Panels:

LS9\_5 - Agriculture related to crop production, soil biology and cultivation, applied plant biology;

LS9\_7 - Forestry, biomass production (e.g. for biofuels);

PE7\_4 - Systems engineering, sensorics, actorics, automation;

PE8\_6 - Energy systems (production, distribution, application);

LS7\_12 - Occupational medicine;

PE7\_9 - Man-machine-interfaces;

PE8\_10\_11 - Production technology, ergonomics, man-machine interfaces

Member of the Italian Society of Agricultural Engineering - AIIA - for the 3rd edition on "Mechanization and technologies for agriculture" and for the 5th edition on "Ergonomics and work organization" - <http://www.aiia.it/>

Member of the Italian Society of Arboriculture - I.S.A. Italy Chapter – N. 1716 - <http://www.isaitalia.org/>

<p><b>Research Instruments</b></p>	<p><a href="#">Head of Laboratory of Wood Technology and Forestry Mechanization</a></p> <p>Cosmed Metabolimeter; Integrating Sound Level Meter Delta Ohm HD2010UC; Four channel vibrations analyzer Delta Ohm HD 2030;</p> <p>Air Sampling System for personal or area sampling of low-level contaminants;</p> <p>Airborne particulate measurer (laser scatter);</p> <p>MetroCom testing machine 30 kN for mechanical breakage testing on various materials;</p> <p>ArborSonic 3D Acoustic Tomograph with 28 transducers able to detect the size and location of decayed or hollow regions in the trunk non-destructively;</p> <p>IML- Resistograph PD 400 &amp; IML- Resistograph F 500;</p> <p>IML Electronic Hammer for sound velocity measurement;</p> <p>Microsecond Timer to measure stress wave propagation time in trees;</p> <p>Root Detector to determine the location of the roots of a selected tree;</p> <p>TreeSonic timer to assess tree stiffness prediction;</p> <p>UltraSonic Timer for seedling test;</p> <p>Resonance Log Grader &amp; Portable Lumber Grader to determine the Modulus of Elasticity (MOE);</p> <p>Screw Withdrawal Force Meter to indicate the strength, density and shear modulus of wood;</p> <p>Pulling Test System to assess the uprooting stability of the tree, or to establish the risk of trunk breakage;</p> <p>Lignotester and Holmen NHP200 Pellet Durability Tester</p> <p>Taber Abrasimeter used to perform accelerated wear testing;</p> <p>FieldScout SC 900 Soil Compaction Meter (Penetrometer);</p>
<p><b>Reviewer Works</b></p>	<p>He is reviewer for more than 60 international scientific journals as Applied Energy, Acta Acustica united with Acustica, Annals of Forest Science, Annals of Silvicultural Research, Applied Sciences, Biomass&amp;Bioenergy, Bioresources, Building and Environment, CAB Reviews, Canadian Journal of Forest Research, Computer and Electronics in Agriculture, Croatian Journal of Forest Engineering, Current Forestry Reports, Drewno, European Journal of Forest Research, European Journal of Wood and Wood Products, Forest Ecology and Management, Forests, Fuel, Heliyon, Iforest, International Journal of Forest Engineering, Journal of Forest Research, Journal of Cleaner Production, Materials, Polimers, Processes, Renewable &amp; Sustainable Energy, Sensors, Science of the Total Environment, Sustainability, Scandinavian Journal of Forestry, Transaction of the ASABE, Transportation Research Part D: Transport and Environment.</p>
<p><b>Academic Experience</b></p>	<p>Andrea R. Proto has been nominated Experts of National Council of Research and Experimentation in Agriculture of MIPAAF and since 2018 he has been inserted in the Register of Reviews for the evaluation of Programs of Ministerial Research (MIUR). For Italian funding organizations (University, MIUR, CINECA/SIRIO System) he valuated 12 research reports and proposals.</p> <p>For two years (2008-2010) Researcher at the Trees and Timber Institute - National Research Council of Italy (<a href="#">IVALSA - CNR</a>) in San Michele a/Adige (TN- Italy).</p> <p>Visiting scientist (2007) at the <a href="#">Federal Forest Education Centre of Ossiach</a> (Austria).</p>

<b>Research activity</b>	
Date (da – a)	January 2023 – April 2026 Project “TECH4YOU” – Technologies for Climate Change Adaptation and Quality of Life Improvement – Research Activities within the project “Smart Technologies for a Sustainable Food Supply Chain and Forestry. <a href="https://ecs-tech4you.it/">https://ecs-tech4you.it/</a>
Occupation and position held	Scientific Coordinator for Department of Agricultural Science – € 878.070,23
Date (da – a)	June 2018 – December 2019 Project “FAESI” co-funded by the Ministry of Agricultural, Food and Forestry Policies (MiPAAF) to promote agro-forestry biomass management for energy supply at a regional level. <a href="http://www.arsacweb.it/progetto-faesi/">http://www.arsacweb.it/progetto-faesi/</a>
Occupation and position held	Scientific Coordinator for Department of Agricultural Science – € 154.000,00
Date (da – a)	January 2014 – September 2017 Project “ALForLab” co-funded by the National Operational Programme for Research and Competitiveness (PON R&C) 2007-2013, through the European Regional Development Fund (ERDF) and national resource (Revolving Fund -Cohesion Action Plan (CAP) MIUR) - PON03PE_0024_1 - Ambi.Tec.Fil.Legno <a href="http://www.ponrec.it/en/open-data/projects/profile-project/?&amp;Progettoid=7079">http://www.ponrec.it/en/open-data/projects/profile-project/?&amp;Progettoid=7079</a>
Occupation and position held	Scientific Coordinator for Department of Agricultural Science – € 918.100,00
Date (da – a)	September 2015 – December 2016 Training of experts and technical research for innovation in the supply chain forest-wood-energy - PON03PE_00024_1/F11 <a href="http://www.ponrec.it/en/open-data/projects/profile-project/?Progettoid=7124">http://www.ponrec.it/en/open-data/projects/profile-project/?Progettoid=7124</a>
Occupation and position held	Director of the Master Programme in Wood Supply chain – 1.350 hours - € 250.000,00
Date (da – a)	May 2014 – December 2015 Regional Project “Regione Calabria” - POR Calabria FESR 2007/2013 – Project <i>Ex Albis Ulivis</i> – Process Innovation and valorisation of Olive Oil of Calabria – WP 2 -
Occupation and position held	Scientific Partner for Department of Agricultural Science – € 200.000,00
Date (da – a)	May 2014 – December 2015 Regional Project “Regione Calabria” - POR Calabria FESR 2007/2013 – Project Si.Re.Ja – Azione WP 2 - Valorisation of <i>Jatropha Curcas</i>
Occupation and position held	Scientific Partner for Department of Agricultural Science – € 94.236,07
Date (da – a)	November 2014 – October 2015 Regional Project - PSR - Mis. 124 - 2007- 2013 (Calabria’s Rural Development Programme) S.I.F.OLI.O. – System Innovative for the quality of the OLive growing and Oil production
Occupation and position held	Scientific Coordinator for Department of Agricultural Science – € 234.023,58

Date (da – a)	November 2014 – October 2015
Occupation and position held	Regional Project - PSR - Mis. 124 - 2007- 2013 (Calabria's Rural Development Programme) ENE.R.G.I.A. S.L.O.W- Renewable Energies from a correct wood supply chain <b>Scientific Coordinator for Department of Agricultural Science – € 218.900,00</b>
Date (da – a)	2015
Occupation and position held	Regional Project - Calabria P.O. FEP 2007-2013 - Mis. 3.5 - European Fisheries Fund Longline swordfish fisheries in province of Reggio Calabria <b>Scientific Partner for Department of Agricultural Science – € 241.250,00</b>
Date (da – a)	2012
Occupation and position held	Research funded by the Special IN.FORMA. Chamber of Commerce of Reggio Calabria Environmental quality and safety in the food sector in the province of Reggio Calabria <b>Scientific Coordinator for Department of Agricultural Science – € 15.000,00</b>
Date (da – a)	October 2014 – September 2015
Occupation and position held	Regional Project - PSR - Mis. 11 - 2007- 2013 (Calabria's Rural Development Programme) “AGRARIA – FORMA” Training for a wider dissemination of knowledge within the Calabrian agricultural world <b>Scientific Coordinator for Department of Agricultural Science – € 69.049,90</b>
Participant to research unit	Project of Research of National Interest (PRIN): <ul style="list-style-type: none"> <li>• “PROSAFE 2003 - Quality of the job and emergency in agro-industrial sectors”</li> <li>• “ISPROject 2005 (Integrated Safety Project) - Methods of planning and integrated verification of the emergency of the job”</li> <li>• “ISOGEST - Systems of management of integrated emergency: strategies, researches and experimentation for the management of the main risks for the health”</li> </ul>
Education	Degree in Forestry and Environmental Science at <i>Mediterranean</i> University of Reggio Calabria – Faculty of Agricultural Science; Master (II level) in Environmental Engineering at <i>Mediterranean</i> University of Reggio Calabria – Faculty of Engineering; PhD in Agricultural Engineering and Forestry Mechanization at <i>Mediterranean</i> University of Reggio Calabria – Faculty of Agricultural Science;

Reggio Calabria, 05\11\2025

Prof. Andrea Rosario Proto





## LIST OF PAPERS

1. Zimbalatti G., Proto A.R., Abenavoli L., 2005. *IMPIANTI E CICLI PRODUTTIVI IN SEGHERIE CALABRESI*. 8<sup>th</sup> Convegno AIIA L'ingegneria agraria per lo sviluppo sostenibile dell'area mediterranea, Catania 27-30 Giugno, ISBN/ISSN: 88-901860-0-3
2. Sciarrone G., Abenavoli L., Proto A.R., 2006. *IMPLEMENTAZIONE DI UN SISTEMA DI TRACCIABILITA' NELLA FILIERA OLIVICOLA: PRIME APPLICAZIONI*. 4<sup>th</sup> Convegno AISSA Qualità e sostenibilità delle produzioni agrarie, alimentari e forestali, Mosciano Sant'Angelo (TE), 5-6 Dicembre.
3. Zimbalatti G., Proto A.R., 2006. *LA FILIERA LEGNO IN PROVINCIA DI REGGIO CALABRIA*. 4<sup>th</sup> Convegno AISSA Qualità e sostenibilità delle produzioni agrarie, alimentari e forestali, Mosciano Sant'Angelo (TE), 5-6 Dicembre.
4. Giametta F., Proto A.R., Zimbalatti G., 2007. *ESPOSIZIONE AL RUMORE NELLA PRIMA TRASFORMAZIONE DEL LEGNO: ANALISI DI ALCUNE REALTÀ IN CALABRIA*. Sherwood – Foreste ed Alberi Oggi, 129, 27-31, ISSN: 1590-7805
5. Proto A.R., 2006. *ANALISI DEI RISCHI NELLA PRIMA LAVORAZIONE DEL LEGNO ED ELABORAZIONE DELLE LINEE GUIDA PER LA SICUREZZA*. Tesi di Dottorato in Ingegneria Agroforestale e dell'Ambiente, XIX ciclo, Facoltà di Agraria, Università degli Studi *Mediterranea* di Reggio Calabria, Febbraio, 256 pp.
6. Giametta F., Proto A.R., Zimbalatti G., 2007. *MUSCULOSKELETAL DISORDERS IN THE CITRUS FRUIT GROWING*. 32<sup>th</sup> Conference CIOSTA – CIGR V section – Advances in labour and machinery management for a profitable agriculture and forestry, Nitra – Slovak Republic, 17-19 Settembre, ISBN/ISSN: 978-80-809-923-9
7. Giametta G., Proto A.R., Zimbalatti G., 2007. *SAFETY GUIDELINES IN THE CITRUS FRUIT GROWING*. 32<sup>th</sup> Conference CIOSTA – CIGR V section – Advances in labour and machinery management for a profitable agriculture and forestry, Nitra – Slovak Republic, 17-19 Settembre, ISBN/ISSN: 978-80-8069-923-9
8. Zimbalatti G., Proto A.R., 2007. *CABLE LOGGING OPPORTUNITIES FOR FIREWOOD IN CALABRIAN FORESTRY*. 40<sup>th</sup> International Symposium on Forestry Mechanization - New Developments in Forest Engineering, Vienna, 7-11 Ottobre, RIV/62156489:43410/07:00111207
9. Zimbalatti G., Giametta F., Proto A.R., 2007. *ANALYSIS OF THE RISKS OF THE EARLY PHASES OF TIMBER PROCESSING*. International Conference - Cutting edge technologies and innovations on sustainable resources for food sufficiency, Bangkok, 3-6 dicembre 2007 - ISBN: 978-974-8257-49-5
10. Zimbalatti G., Proto A.R., 2008. *SICUREZZA ED ERGONOMIA NELL'USO DI MACCHINE IN BOSCO*. Convegno - La sicurezza negli ambienti agroforestali: aspetti tecnici, gestione e controllo dei rischi, Gemona del Friuli, 18 Gennaio.
11. Zimbalatti G., Proto A.R., 2008. *TECHNICAL AND ECONOMICAL ASPECTS OF CABLE LOGGING OPPORTUNITIES FOR FIREWOOD IN CALABRIAN FORESTRY*. 3<sup>th</sup> International Scientific Conference Fortechenvi - Forest and Wood Technology and the Environment, Praga, 26-30 Maggio; ISBN: 978-80-7375-182-1
12. Giametta G., Zimbalatti G., Proto A.R., 2008. *SAFETY GUIDELINES OF THE EARLY PHASES OF TIMBER PROCESSING*. International Conference Innovation Technology to Empower Safety, Health and Welfare in Agriculture and Agro-food Systems, Ragusa, 15-17 Settembre; ISBN: 978-88-903151-1-4
13. Zimbalatti G., Proto A.R., Morabito S., 2008. *ACOUSTIC LEVELS IN THE MANUFACTURE OF WOOD CHAIRS*. International Conference Innovation Technology to Empower Safety, Health and Welfare in Agriculture and Agro-food Systems, Ragusa, 15-17 Settembre; ISBN: 978-88-903151-1-4
14. Cavalli R., Zimbalatti G., Grigolato S., Proto A.R., 2008. *FOREST WOODCHIPS SUPPLY CHAIN IN SOUTHERN ITALY*. 41<sup>th</sup> International Symposium on Forestry Mechanization - German Center for Forest Work and Technology (KWF), Schmallingenberg, 02-05 Giugno; ISBN: 978-3-9811335-2-3
15. Proto A.R., Zimbalatti G., 2008. *L'IMPIEGO DELLE BIOMASSE IN CALABRIA PER LA PRODUZIONE DI ENERGIA ELETTRICA*. Alberi e Territorio n°4 Luglio/Agosto 2008; 12-17 pp. - Ed. EDAGRICOLE; ISSN: 1724-4021
16. Zimbalatti G., Proto A.R., 2009. *CABLE LOGGING OPPORTUNITIES FOR FIREWOOD IN CALABRIAN FOREST*. Biosystems Engineering, 102, 63-68. <https://doi.org/10.1016/j.biosystemseng.2008.10.008>
17. Zimbalatti G., Proto A.R., 2009. *PRODUZIONE E PRIMA LAVORAZIONE DEL LEGNO IN PROVINCIA DI REGGIO CALABRIA*. Volume pubblicato dalla Camera di Commercio Industria Artigianato e Agricoltura di Reggio Calabria, 180 pp.; ISBN: 978-8890-4039-4-1
18. Proto A.R., Negri M., Delmarco O., 2009. *DISTRIBUZIONE DIMENSIONALE DELLE POLVERI DI LEGNO*. XV Convegno di Igiene Industriale AIDII, Corvara (BZ) 1-3 aprile 2009, 689-698 pp.; codice SIAE BX 0000868528.

19. Zimbalatti G., Proto A.R., 2009. *PROSPECTS OF FOREST UTILIZATIONS IN THE SOUTH OF ITALY*. IUFRO - Unit 3.06.00 - Workshop Forestry utilization in Mediterranean countries, Reggio Calabria, 17-19 Giugno, 2335-2339; ISBN: 978-88-7583-031-2
20. Proto A.R., Negri M., Marra M., 2009. *DUST EXPOSURES IN THE WOOD PROCESSING INDUSTRY IN NORTHEAST ITALY*. 2<sup>nd</sup> International Scientific Conference on Hardwood Processing – ISCHP, Parigi, 27-28 Settembre.
21. Bernabei M., Proto A.R., Zimbalatti G., 2009. *ANATOMICAL OBSERVATIONS REGARDING THE STEM OF THE DATE PALM (PHOENIX DACTYLIFERA L.) USED FOR CONSTRUCTION PURPOSES*. 4<sup>th</sup> International Congress - Science and Technology for the Safeguard of Cultural Heritage of the Mediterranean Basin - Cairo, 6-8 Dicembre; ISBN: 978-88-96680-31-5.
22. Proto A.R., Zimbalatti G., Negri M., 2010. *THE MEASUREMENT OF WOOD DUST SIZE DISTRIBUTION*. Journal of Agricultural Engineering, 1, 25-32; ISSN: 1974-7071
23. Zimbalatti G., Proto A.R., 2010. *PHYSICAL AND MECHANICAL PROPERTIES OF DATE PALM WOOD*. International Conference SWC 2010 - People, Forests and the Environment Coexisting in Harmony - Casablanca, 25-27 Maggio.
24. Zimbalatti G., Proto A.R., 2010. *PRODUCTIVITY OF FORWARDERS IN SOUTH ITALY*. 43<sup>th</sup> International Symposium on Forestry Mechanization New Developments in Forest Engineering, Padova, 21-24 Luglio.
25. Zimbalatti G., Proto A.R., 2010. *TIMBER EXTRACTION WITH A CABLE CRANE IN SOUTH ITALY (CALABRIA)*. 43<sup>th</sup> International Symposium on Forestry Mechanization New Developments in Forest Engineering, Padova, 21-24 Luglio.
26. Zimbalatti G., Proto A.R., Negri M., 2010. *ACOUSTIC LEVELS IN THE WOOD PROCESSING INDUSTRY IN NORTHEAST ITALY*. International Conference - Innovation Technology to Empower Safety, Health and Welfare in Agriculture and Agro-food Systems, Ragusa, 16-18 Settembre, 90-98; ISBN: 978-88-903151-6-9
27. Proto A.R., Zimbalatti G., 2010. *RISK ASSESSMENT OF REPETITIVE MOVEMENTS IN THE CITRUS FRUIT INDUSTRY*. Journal of Agricultural Safety and Health - Ed. American Society of Agricultural and Biological Engineers (ASABE), 16 (4), 219-228. <https://doi.org/10.13031/2013.34834>
28. D'Anna D., Praticò F., Proto A.R., Zimbalatti G., 2011. *LINEE GUIDA PER LA SICUREZZA NEGLI AMBIENTI DI LAVORO AGROFORESTALI E DELLE COSTRUZIONI INFRASTRUTTURALI IN CALABRIA*. Volume pubblicato dalla Regione Calabria – Azienda Calabria Lavoro, 113 pp.; ISBN 978-88-904039-3-4
29. Zimbalatti G., Benalia S., Proto A.R., Bernardi B., 2011. *OPERATIONAL WORKING TIME ASSESSMENT OF AN INNOVATIVE SYSTEM FOR PESTICIDE DISTRIBUTION IN GREENHOUSE*. 34<sup>th</sup> Conference CIOSTA CIGR V section - Efficient and safe production processes in sustainable agriculture and forestry, Vienna, 27-30 Giugno; ISBN: 978-3-200-02204-1
30. Proto A.R., Abenavoli L., Bernardi B., Zimbalatti G., Benalia S., Smorto D., 2011. *OLIVE OIL MILLS ACOUSTIC LEVELS DURING A CONTINUOUS PROCESSING*. 34<sup>th</sup> Conference CIOSTA CIGR V section - Efficient and safe production processes in sustainable agriculture and forestry, Vienna, 27-30 Giugno; ISBN: 978-3-200-02204-1
31. Zimbalatti G., Proto A.R., 2011. *AN ASSESSMENT OF POTENTIAL FOREST BIOMASS PRODUCTION FOR ENERGY IN SOUTH ITALY*. 44<sup>th</sup> International Symposium on Forestry Mechanization - Pushing the boundaries with research and innovation in forest engineering, Graz, 9-12 Ottobre.
32. Proto A.R., Zimbalatti G., Teti N., 2011. *LA CALABRIA E LA FILIERA FORESTA-LEGNO*. L'Italia Forestale e Montana, 66 (6), 491-497. <https://dx.doi.org/10.4129/ifm.2011.6.01>
33. Proto A.R., 2011. *SICUREZZA SUL LAVORO IN AGRICOLTURA*. Manuale divulgativo inserito nella "Collana del Contadino Imprenditore". Pubblicazione realizzata PER.FORM.A. GIOVANI Misura 1.1.1, Azione 3 del PSR Calabria 2007-2013. Iriti Editore, Dicembre, 24 pp.; ISBN: 978-88-6494-076-2
34. Proto A.R., 2011. *LE BUONE CONDIZIONI AGRONOMICHE E AMBIENTALI E I CRITERI DI GESTIONE OBBLIGATORI*. Manuale divulgativo inserito nella "Collana del Contadino Imprenditore". Pubblicazione realizzata PER.FORM.A. GIOVANI Misura 1.1.1, Azione 3 del PSR Calabria 2007-2013. Iriti Editore, Dicembre, 24 pp.; ISBN: 978-88-6494-077-9
35. Abenavoli L., Proto A.R., Bernardi B., Smorto D., 2011. *LE MACCHINE NELL'AZIENDA AGRARIA*. Manuale divulgativo inserito nella "Collana del Contadino Imprenditore". Pubblicazione realizzata PER.FORM.A. GIOVANI Misura 1.1.1, Azione 3 del PSR Calabria 2007-2013. Iriti Editore, Dicembre, 28 pp.; ISBN: 978-88-6494-075-5
36. Proto A.R., 2012. *ACCORGIMENTI PER LA SICUREZZA NEI CANTIERI FORESTALI*. Capitolo inserito nel volume "Filiera Legno: sviluppo sostenibile e opportunità di reddito". Pubblicazione realizzata Progetto PIF Bosco Vivo Misura 1.1.1 del PSR Calabria 2007-2013. Editore L'Informatore Agrario, Gennaio, 54-64.
37. Abenavoli L., Proto A.R., Benalia S., Callea P., Smorto D., 2012. *PRODUCTIVE ASPECTS AND ACOUSTIC LEVELS IN A MODERN SORTING AND CALIBRATION PLANT FOR KIWI POST-HARVEST PROCESSING*. International Conference - Technology to Empower Safety and Health and Welfare in Agriculture Systems, Ragusa, 3-6 Settembre; ISBN: 978-88-905473-4-8.



38. Proto A.R., Barreca P., Benalia S., Bernardi B., Zimbalatti G., 2012. *ENVIRONMENTAL MANAGEMENT SYSTEMS AND THE SAWMILLS IN CALABRIA*. International Conference - Technology to Empower Safety and Health and Welfare in Agriculture Systems, Ragusa, 3-6 Settembre; ISBN: 978-88-5473-4-8.
39. Zimbalatti G., Bernardi B., Proto A.R., Smorto D., Benalia S., 2012. *HAZELNUTS MECHANICAL HARVESTING IN CALABRIA: PRELIMINARY TRIALS ON WORK PRODUCTIVITY*. International Conference - Technology to Empower Safety and Health and Welfare in Agriculture Systems, Ragusa, 3-6 Settembre; ISBN: 978-88-905473-4-8.
40. Abenavoli L., Proto A.R., Iannelli F., 2012. *QUALITÀ AMBIENTALE E SICUREZZA SUI LUOGHI DI LAVORO NEL SETTORE AGROALIMENTARE NELLA PROVINCIA DI REGGIO CALABRIA*. Pubblicazione realizzata nell'ambito del Progetto Finanziato INFORMA - Camera di Commercio di Reggio Calabria, 103 pp.
41. Proto A.R., 2012. *PROGETTO PER UN DISTRETTO TECNOLOGICO SULLA FILIERA FORESTA-LEGNO IN CALABRIA*. Tecniko & Pratiko, n. 88, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Ottobre; ISSN: 1590-7805
42. Proto A.R., Bernardi B., 2012. *EVALUATION OF THE SOIL COMPACTION CAUSED BY PASSAGES OF FORWARDER*. 45<sup>th</sup> International Symposium on Forestry Mechanization "Concern, Knowledge and Accountability in Today's Environment", Dubrovnik, 8-12 Ottobre; ISBN: 978-953-292-025-3
43. Proto A.R., 2013. *LA NUOVA LEGGE FORESTALE DELLA REGIONE CALABRIA*. Tecniko & Pratiko, n. 92, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Marzo; ISSN: 1590-7805
44. Abenavoli L., Proto A.R., 2013. *LE MACCHINE NELL'AZIENDA AGRARIA OLIVICOLA: MANUALE INFORMATIVO SULLE PRINCIPALI MACCHINE AGRICOLE UTILIZZATE IN OLIVICOLTURA*. Pubblicazione realizzata nell'ambito del progetto finanziato alla LAPOC n°867/08 – n° 1220/1, Marzo, 86 pp.; ISBN: 978-88-904039-0-3
45. Proto A.R., 2013. *LA GRU A CAVO GREIFENBERG TG 700*. Tecniko & Pratiko, n. 94, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Maggio; ISSN: 1590-7805
46. Proto A.R., 2013. *VALORIZZAZIONE ENERGETICA DELLE RISORSE FORESTALI E AGRICOLE IN PROVINCIA DI REGGIO CALABRIA*. Abramo Editore, maggio 2013, 283 pp., ISBN: 88-8324-160-6
47. Proto A.R., Bernardi B., Zimbalatti G., Macri G., 2013. *PRODUCTIVITY AND COST ANALYSIS OF A JOHN DEERE SKIDDER IN SOUTH ITALY*. 3<sup>th</sup> Conference FORTECHENVI - Forest and Forest Products Technology and the Environment, Brno, Maggio; ISBN: 978 -80-02-02467-5
48. Bernardi B., Zimbalatti G., Benalia S., Proto A.R., Callea P., 2013. *MECHANICAL HARVEST TRIALS ON NEW INTENSIVE OLIVE ORCHARDS: COMPARISON BETWEEN A SELF-PROPELLED TRUNK SHAKER AND NETS, AND A SHAKER WITH WRAP-AROUND CATCHING FRAME*. 35<sup>th</sup> Conference CIOSTA CIGR V section, Billund, Denmark, 3 - 5 Luglio, ISSN: 978-87-9869-76-0
49. Bernardi B., Zimbalatti G., Proto A.R.; Benalia S., Fazari A., 2013. *MECHANICAL CALIBRATION IN "PGI TROPEA RED ONION" POST HARVEST OPERATIONS*. 10<sup>th</sup> Conference AIIA - Horizons in agricultural and biosystems engineering, Viterbo, 8 - 12 Settembre; ISSN: 1974-7071
50. Callea P., Zimbalatti G., Quendler E., Nimmerichter A., Bachl N., Bernardi B., Proto A. R., 2013. *OCCUPATIONAL ILLNESS DUE TO PHYSIOLOGICAL STRAIN AND ERGONOMIC PROBLEMS IN SUGAR BEET MANUAL HARVESTING*. 10<sup>th</sup> Conference AIIA - Horizons in agricultura and biosystems engineering, Viterbo, 8 - 12 Settembre; ISSN: 1974-7071
51. Proto A.R., Macri G., 2014. *SKIDDER JOHN DEERE 548H*. Tecniko & Pratiko, n. 101, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Febbraio; ISSN: 1590-7805
52. Proto A. R., 2014. *CERTIFICAZIONE FORESTALE, STRUMENTO DI MERCATO*. Capitolo inserito nel volume "Selva Brutia: reddito ed energia dalla filiera foresta-legno". Supplemento a L'Informatore Agrario n.4/2014 del 30 gennaio/5 Febbraio. Editore L'Informatore Agrario, anno 70, 28-35; ISSN 0020-689
53. Proto A. R., 2014. *PRODUZIONE, VARIETÀ, TECNOLOGIA, COMPETENZA: IL LEGNO SI SVILUPPA COSÌ*. Articolo inserito presso la rivista "Calabria Rurale". A cura della Regione Calabria - Dipartimento Agricoltura, Foreste e Forestazione. Supplemento ad Agrisole - Gruppo Il Sole 24 Ore - Gennaio/Marzo 2014, 12-14 pp.
54. Proto A.R., Zimbalatti G., Abenavoli L., Bernardi B., Benalia S., 2014. *BIOMASS PRODUCTION IN AGROFORESTRY SYSTEMS: V.E.R.I.FOR PROJECT*. Advanced Engineering Forum, ©Trans Tech Publications, Switzerland, 11, 58-63. <https://doi.org/10.4028/www.scientific.net/AEF.11.58>
55. Proto A.R., 2014. *JOHN DEERE 1110D*. Tecniko & Pratiko, n. 106, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Settembre; ISSN: 1590-7805
56. Abenavoli L., Proto A.R., 2014. *LA VITICOLTURA DI PRECISIONE: LE PIÙ MODERNE TECNICHE PER IL TRAPIANTO MECCANICO DELLE BARBATELLE*. Articolo inserito nel volume "Miglioramento delle produzioni vitivinicole della zona del Cirò, Ed. Bibenda, Roma, 8-11 pp.; ISBN: 978-88-88439-43-3

57. Abenavoli L., Proto A.R., 2014. *VENDEMMIA MECCANICA E GESTIONE DELLE UVE FINO AL CONFERIMENTO DEL PRODOTTO IN CANTINA*. Articolo inserito nel volume "Manuale di gestione e marketing per il miglioramento delle produzioni vitivinicole della zona del Cirò, Ed. Bibenda, Roma, 74-79 pp.; ISBN: 978-88-88439-45-7.
58. Proto A.R., Zimbalatti G., Bernardi B., 2014. *NUOVI STRUMENTI AL SERVIZIO DELLE UTILIZZAZIONI FORESTALI*. 2<sup>th</sup> Congresso Internazionale di Selvicoltura, 26-29 Novembre. <https://doi.org/10.4129/2cis-arp-nuo>
59. Proto A.R., Larizza M., Zimbalatti G., 2014. *L'ATTUAZIONE DELLE MISURE PSR NEL SETTORE FORESTALE IN CALABRIA*. 2<sup>th</sup> Congresso Internazionale di Selvicoltura, 26-29 Novembre. <https://doi.org/10.4129/2cis-arp-att>
60. Proto A.R., Macri G., Zimbalatti G., Bernardi B., 2015. *ACOUSTIC TOOLS IN FORESTRY: A CASE STUDY IN ITALY*. 36<sup>th</sup> Conference CIOSTA & CIGR Section V, S. Petersburg, Russian Federation.
61. Abenavoli L., Proto A.R., 2015. *EFFECTS OF THE DIVERS OLIVE HARVESTING SYSTEMS ON OIL QUALITY*. Agronomy Research, **13** (1), 7-16.
62. Proto A.R., Zimbalatti G., 2015. *RISK ASSESSMENT OF REPETITIVE MOVEMENTS IN OLIVE GROWING: ANALYSIS OF ANNUAL EXPOSURE LEVEL ASSESSMENT MODELS WITH THE OCRA CHECKLIST*. Journal of Agricultural Safety and Health - Ed. American Society of Agricultural and Biological Engineers (ASABE), 21(4), 241-253. <https://doi.org/10.13031/jash.21.10884>
63. Moneti M., Delfanti L. M. P., Marucci A., Bedini R., Gambella F., Proto A. R., Gallucci F., 2015. *SIMULATIONS OF A PLANT WITH A FLUIDIZED BED GASIFIER WGS AND PSA*. Contemporary Engineering Sciences, 8 (31): 1461-1473. <https://doi.org/10.12988/ces.2015.56191>
64. Proto A.R., Russo D., 2015. *IMPIEGO DELLE SEGHERIE MOBILI: GESTIONE DELLA SICUREZZA*. Tecniko & Pratiko, n. 113, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Luglio-Agosto; ISSN: 1590-7805
65. Proto A.R., Cambareri D., 2015. *VALORIZZAZIONE ENERGETICA RISORSE FORESTALI: PROGETTO REGIONALE VERIFOR*. Tecniko & Pratiko, n. 114, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Settembre; ISSN: 1590-7805
66. Colantoni A., Evic, N., Lord R., Retschitzegger, S., Proto A.R., Gallucci F., Monarca D., 2016. *CHARACTERIZATION OF BIOCHARS PRODUCED FROM PYROLYSIS OF PELLETIZED AGRICULTURAL RESIDUES*. Renewable and Sustainable Energy Reviews, 64: 187–194. <https://doi.org/10.1016/j.rser.2016.06.003>
67. Zambon I., Colosimo F., Monarca D., Cecchini M., Gallucci F., Proto A.R., Lord R., Colantoni A., 2016. *AN INNOVATIVE AGRO-FORESTRY SUPPLY CHAIN FOR RESIDUAL BIOMASS: PHYSICO-CHEMICAL CHARACTERISATION OF BIOCHAR FROM OLIVE AND HAZELNUT PELLETS*. Energies, 9 (7): 526. <https://doi.org/10.3390/en9070526>
68. Macri G., Zimbalatti G., Russo D., Proto A.R., 2016. *MEASURING THE MOBILITY PARAMETERS OF TREE-LENGTH FORWARDING SYSTEMS USING GPS TECHNOLOGY IN THE ITALIAN APENNINES*. Agronomy Research, **14** (3): 836-845.
69. Proto A.R., Zimbalatti G., 2016. *FIREWOOD CABLE EXTRACTION IN THE SOUTHERN MEDITERRANEAN AREA OF ITALY*. Ed. Taylor & Francis, Forest Science and Technology, 12 (1): 16-23. <https://doi.org/10.1080/21580103.2015.1018961>
70. Abenavoli L., Cuzzupoli F., Chiaravallotti V., Proto A.R., 2016. *TRACEABILITY SYSTEM OF OLIVE OIL: A CASE STUDY BASED ON THE PERFORMANCE OF A NEW SOFTWARE CLOUD*. Agronomy Research, **14** (4): 1247–1256
71. Proto A.R., Skoupy A., Macri G., Zimbalatti G., 2016. *TIME CONSUMPTION AND PRODUCTIVITY OF A MEDIUM SIZE MOBILE TOWER YARDER IN DOWNHILL AND UPHILL CONFIGURATIONS: A CASE STUDY IN CZECH REPUBLIC*. Journal of Agricultural Engineering, 47 (4): 216-221. <https://doi.org/10.4081/jae.2016.551>
72. Proto A.R., De Rossi A., Macri G., 2016. *ESPOSIZIONE AI LIVELLI ACUSTICI ELEVATI NEGLI IMPIANTI DI SEGAGIONE*. Tecniko & Pratiko, n. 120, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Giugno; ISSN: 1590-7805
73. Proto A.R., Macri G., Sorgonà A., Zimbalatti G., 2016. *IMPACT OF SKIDDING OPERATIONS ON SOIL PHYSICAL PROPERTIES IN SOUTHERN ITALY*. Contemporary Engineering Sciences, 9 (23): 1105-1112. <https://doi.org/10.12988/ces.2016.68132>
74. Pallottino F., Menesatti P., Antonucci F., Figorilli S., Proto A.R., Costa C., 2016. *IMAGE ANALYSIS BASED OPEN SOURCE CONVEYOR BELT PROTOTYPE FOR WOOD PELLET AND CHIP QUALITY ASSESSMENT*. Contemporary Engineering Sciences, 9 (23): 1095-1104. <https://doi.org/10.12988/ces.2016.68138>
75. Negri M., Fellin M., Carè V., Proto A.R., 2016. *INTEGRATED PYRO-GASIFICATION PROCESS OF HETEROGENEOUS MEDITERRANEAN WOOD SPECIES*. Contemporary Engineering Sciences, 9 (23): 1113-1123. <https://doi.org/10.12988/ces.2016.68140>
76. Proto A.R., Grigolato S., Mologni O., Macri G., Zimbalatti G., Cavalli R., 2016. *MODELLING NOISE PROPAGATION GENERATED BY FOREST OPERATIONS: A CASE STUDY IN SOUTHERN ITALY*. Procedia: Social & Behavioral Sciences, 223: 841-848. <https://doi.org/10.1016/j.sbspro.2016.05.290>
77. Proto A.R., Mazzocchi F., Cossio F., Bortolini L., Pascuzzi S., Caruso L., Diano M., Zimbalatti G., 2016. *A SURVEY ON OCCUPATIONAL INJURIES IN WORKS ON TREES IN ITALY*. Procedia: Social & Behavioral Sciences, 223: 435-441. <https://doi.org/10.1016/j.sbspro.2016.05.266>

78. Proto A.R., Macrì G., Bernardini V., Russo D., Zimbalatti G., 2017. *ACOUSTIC EVALUATION OF WOOD QUALITY WITH A NON-DESTRUCTIVE METHOD IN STANDING TREES: A FIRST SURVEY IN ITALY*. iForest, 10: 700-706. <https://doi.org/10.3832/for2065-010>
79. Proto A.R., Bacenetti J., Macrì G., Fiala M., Zimbalatti G., 2017. *MECHANISATION OF DIFFERENT LOGGING OPERATIONS: ENVIRONMENTAL IMPACT ASSESSMENT USING LIFE CYCLE ASSESSMENT (LCA) APPROACH*. Chemical Engineering Transactions, 58: 229-234. <https://doi.org/10.3303/CET1758039>
80. Proto A.R., Negri M., Carè V., Marcianò C., 2017. *PROGETTO ENERGIA SLOW: DIVERSIFICAZIONE, INNOVAZIONE E COOPERAZIONE PER VALORIZZARE IL SISTEMA LOCALE DELLE BIOMASSE LEGNOSE*. Tecniko & Pratiko, n. 126, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Marzo; ISSN: 1590-7805
81. Costa C., Taiti C., Zanetti M., Proto A.R., D'Andrea S., Greco R., Dematte L., Mancuso S., Cavalli R., 2017. *ASSESSING VOC EMISSION BY WOOD PELLETS USING THE PTR-TOF-MS TECHNOLOGY*. Chemical Engineering Transactions, 58: 445-450. <https://doi.org/10.3303/CET1758075>
82. Proto A.R., Bacenetti J., Macrì G., Zimbalatti G., 2017. *ROUNDWOOD AND BIOENERGY PRODUCTION FROM FORESTRY: ENVIRONMENTAL IMPACT ASSESSMENT CONSIDERING DIFFERENT LOGGING SYSTEMS*. Journal of Cleaner Production, 165: 1485-1498. <https://doi.org/10.1016/j.jclepro.2017.07.227>
83. Proto A.R., Russo D., Papandrea S., 2017. *VALUTARE LA STABILITÀ DEGLI ALBERI IN CITTÀ*. Tecniko & Pratiko, n. 131, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Ottobre-Novembre; ISSN: 1590-7805
84. Marinello F., Proto A.R., Zimbalatti G., Pezzuolo A., Cavalli R., Grigolato S., 2017. *DETERMINATION OF FOREST ROAD SURFACE ROUGHNESS BY KINECT DEPTH IMAGING*. Annals of Forest Research, 60 (2): 217-226. <https://doi.org/10.15287/afr.2017.893>
85. Sperandio G., Costa C., Figorilli S., Pallottino F., Scrinzi G., Colle G., Proto A.R., Macrì G., Antonucci F., Menesatti P., 2017. *VALUTAZIONE ECONOMICA DELLE TECNOLOGIE RFID E OPEN SOURCE PER LA TRACCIABILITÀ DEL LEGNO IN CALABRIA*. FOREST@, 14, 124-134. <https://doi.org/10.3832/efor2267-014>
86. Proto A.R., Zimbalatti G., 2017. *PHYSIOLOGICAL INPUTS IN CABLE YARDING OPERATIONS*. Proceedings of Joint Regional Meeting of IUFRO RG3.03.00 and RG3.06.00 in Asia "Productivity and Safety of Final Cutting on Mountain Forests", Matsuyama and Kochi, Japan, 24-28 July, 94-101.
87. Apăfăian A.I., Proto A.R., Borz S.A., 2017. *PERFORMANCE OF A MID-SIZED HARVESTER-FORWARDER SYSTEM IN INTEGRATED HARVESTING OF SAWMILL, PULPWOOD AND FIREWOOD*. Annals of Forest Research, 60 (2): 227-241. <https://doi.org/10.15287/afr.2017.909>
88. Proto A.R., Abenavoli L.M., Iannelli F., 2017. *DISPONIBILITÀ DI BIOMASSE VEGETALI IN PROVINCIA DI REGGIO CALABRIA*. LaborEst, 15, 61-66. <http://dx.medra.org/10.19254/LaborEst.15.10>
89. Proto A.R., Macrì G., Visser R., Hurril H., Russo D., Zimbalatti G., 2018. *FACTORS AFFECTING FORWARDER PRODUCTIVITY*. European Journal of Forest Research, Vol. 137(2): 143-151. <https://doi.org/10.1007/s10342-017-1088-6>
90. Grigolato S., Mologni O., Proto A.R., Zimbalatti G., Cavalli R., 2018. *ASSESSMENT OF NOISE LEVEL AND NOISE PROPAGATION GENERATED BY LIGHT-LIFT HELICOPTERS IN MOUNTAIN NATURAL ENVIRONMENTS*. Environmental Monitoring and Assessment, 190 (88). <https://doi.org/10.1007/s10661-018-6464-2>
91. Proto A.R., Macrì G., Visser R., Russo D., Zimbalatti G., 2018. *COMPARISON OF TIMBER EXTRACTION PRODUCTIVITY BETWEEN WINCH AND GRAPPLE SKIDDING: A CASE STUDY IN SOUTHERN ITALIAN FORESTS*. Forests, 9 (2), 61. <https://doi.org/10.3390/f9020061>
92. Proto A.R., Bragato P.A., Papandrea S., 2018. *STUDIARE IL DEGRADO DEL LEGNO CON LE ONDE SONICHE: METODOLOGIA E APPLICAZIONI DELLA TOMOGRAFIA*. Tecniko & Pratiko, n. 134, supplemento della rivista Sherwood - Foreste ed Alberi Oggi, Marzo-Aprile; ISSN: 1590-7805
93. Bacenetti J., Proto A.R., 2018. *INNOVAZIONE E SOSTENIBILITÀ NELLE ATTIVITÀ FORESTALI*. Mondo Macchina /Machinery World n. 102 (10-11), Ottobre-Novembre, 102-107; FederUnacoma surl, Roma
94. Proto A.R., Macrì G., Visser R., Harrill H., Russo D., Zimbalatti G., 2018. *A CASE STUDY ON PRODUCTIVITY OF FORWARDER EXTRACTION IN SMALL SCALE SOUTHERN ITALIAN FORESTS*. Small-scale Forestry, 17 (1): 71-87. <https://doi.org/10.1007/s11842-017-9376-z>
95. Sargonà A., Proto A.R., Abenavoli L., Di Iorio A., 2018. *SPATIAL DISTRIBUTION OF COARSE ROOT BIOMASS AND CARBON IN A HIGH-DENSITY OLIVE ORCHARD: EFFECTS OF MECHANICAL HARVESTING METHODS*. Trees-Structure and Function, 32 (4): 919-931. <https://doi.org/10.1007/s00468-018-1686-z>
96. Costa C., Figorilli S., Proto A.R., Colle G., Sperandio G., Gallo P., Antonucci F., Pallottino F., Menesatti P., 2018. *DIGITAL STEREOVISION SYSTEM FOR DENDROMETRY, GEOREFERENCING AND DATA MANAGEMENT*. Biosystems Engineering 174: 126-133. <https://doi.org/10.1016/j.biosystemseng.2018.07.003>



97. Mologni O., Dyson P., Amishev D., Proto A.R., Zimbalatti G., Cavalli R., Grigolato S., 2018. *TENSILE FORCE MONITORING ON LARGE WINCH-ASSIST FORWARDERS OPERATING IN BRITISH COLUMBIA*. Croatian Journal of Forest Engineering 39 (2): 95-105. <https://hrcak.srce.hr/204187>
98. Figorilli S., Costa C., Antonucci F., Pallottino F., Raso L., Castiglione M., Pinci E., Del Vecchio D., Colle G., Proto A.R., Sperandio G., Menesatti P., 2018. *A BLOCKCHAIN IMPLEMENTATION PROTOTYPE FOR THE ELECTRONIC OPEN SOURCE TRACEABILITY OF WOOD ALONG THE WHOLE SUPPLY CHAIN*. Sensors, 18(9): 3133. <https://doi.org/10.3390/s18093133>
99. Borz S.A., Niță D., Talagai N., Scriba C., Grigolato S., Proto A.R., 2019. *PERFORMANCE OF SMALL-SCALE TECHNOLOGY IN PLANTING AND CUTBACK OPERATIONS OF WILLOW SHORT ROTATION CROPS*. Transactions of the ASABE, 62(1): 167-176. <https://doi.org/10.13031/trans.12961>
100. Russo D., Marziliano P., Macrì G., Proto A. R., Zimbalatti G., Lombardi F., 2019. *DOES THE INTENSITIES OF SILVICULTURAL PRACTICES AFFECT THE WOOD QUALITY? AN ANALYSIS ON CALABRIAN PINE THROUGH NON-DESTRUCTIVE ACOUSTIC METHOD IN SOUTHERN ITALY*. Forests, 10(4): 303. <https://doi.org/10.3390/f10040303>
101. Abenavoli L.M., Zimbalatti G., De Rossi A., Papandrea S., Proto A.R., 2019. *THE ENVIRONMENTAL NOISE LEVEL IN THE REJUVENATION PRUNING ON CENTURIES-OLD OLIVE TREE*. Agronomy Research, 17(2): 313–321; <https://doi.org/10.1515/AR.19.027>
102. Mologni O., Lyons C.K., Zambon G., Proto A.R., Zimbalatti G., Cavalli R., Grigolato S., 2019. *SKYLINE TENSILE FORCE MONITORING OF MOBILE TOWER YARDERS OPERATING IN THE ITALIAN ALPS*. European Journal of Forest Research, 138(5): 847–862. <https://doi.org/10.1007/s10342-019-01207-0>
103. Proto A.R., Benalia S., Papandrea S., Bernardi B., Bonofiglio R., Leuzzi A., Zimbalatti G., Tonolo A., Pari L., Gallucci F., 2019. *HARVESTING CITRUS AND OLIVE PRUNING RESIDUES FOR ENERGY USE IN SOUTHERN ITALY*. 27<sup>th</sup> European Biomass Conference and Exhibition, 27-30 May 2019, Lisbon, Portugal. Conference Proceeding by ETA-Florence Renewable Energies, 393-396, ISSN: 22825819.
104. Mologni O., Cadei A., Lyons K., Zambon G., Marchi L., Proto A.R., Zimbalatti G., Cavalli R., Grigolato S., 2019. *SOLLECITAZIONI NELLE GRU A CAVO FORESTALI: PICCHI DI TENSIONE E AMPLIFICAZIONI DINAMICHE DELLE FUNI PORTANTI*. Sherwood - Foreste ed Alberi Oggi, Settembre-Ottobre, 242: 19-23; ISSN: 1590-7805.
105. Proto A.R., 2019. *LE FILIERE AGRO-ENERGETICHE NEL SUD ITALIA: IL PROGETTO FAESI – CALABRIA*. Volume pubblicato dall'Agenzia Regionale per lo Sviluppo in Agricoltura in Calabria – ARSAC, 180 pp.; ISBN 978-8890-4039-0-3
106. Picchio R., Proto A.R., Civitarese V., Di Marzio N., Latterini V., 2019. *RECENT CONTRIBUTIONS OF SOME FIELDS OF THE ELECTRONICS IN DEVELOPMENT OF FOREST OPERATIONS TECHNOLOGIES*. Electronics, 8(12), 1465. <https://doi.org/10.3390/electronics8121465>
107. Proto A.R., Sperandio G., Costa C., Maesano M., Antonucci F., Macrì G., Scarascia Mugnozza G., Zimbalatti G., 2020. *A THREE-STEP NEURAL NETWORK ARTIFICIAL INTELLIGENCE MODELING APPROACH FOR TIME, PRODUCTIVITY AND COSTS PREDICTION: A CASE STUDY IN ITALIAN FORESTRY*. Croatian Journal of Forest Engineering, 41(1), 35-47. <https://doi.org/10.5552/croife.2020.61>
108. Proto A.R., Sorgonà A., Abenavoli L., Di Iorio A., 2020. *A SONIC ROOT DETECTOR FOR REVEALING TREE COARSE ROOT DISTRIBUTION*. Nature - Scientific Reports, 10:8075. <https://doi.org/10.1038/s41598-020-65047-4>
109. Talagai N., Viorela M., Zimbalatti G., Proto A.R., Borz S.A., 2020. *PRODUCTIVITY IN PARTLY MECHANIZED PLANTING OPERATIONS OF WILLOW SHORT ROTATION COPPICE*. Biomass and Bioenergy, 138, 105609. <https://doi.org/10.1016/j.biombioe.2020.105609>
110. Cadei A., Mologni O., Proto A.R., D'Anna G., Grigolato S., 2020. *USING HIGH-FREQUENCY ACCELEROMETER TO DETECT MACHINES' TILT*. 19<sup>th</sup> International Scientific Conference "Engineering For Rural Development"; 1865-1870. <https://doi.org/10.22616/ERDev.2020.19.TF512>
111. Cataldo M.F., Proto A.R., Macrì G., Zimbalatti G., 2020. *EVALUATION OF DIFFERENT WOOD HARVESTING SYSTEMS IN TYPICAL MEDITERRANEAN SMALL-SCALE FORESTS: A SOUTHERN ITALIAN CASE STUDY*. Annals of Silvicultural Research, 45(1), 1-11. <http://dx.doi.org/10.12899/asr-1883>
112. Proto A.R., Bernardini V., Cataldo M.F., Zimbalatti G., 2020. *WHOLE TREE SYSTEM EVALUATION OF THINNING A PINE PLANTATION IN SOUTHERN ITALY*. Annals of Silvicultural Research, 45(1), 44-52. <http://dx.doi.org/10.12899/asr-1849>
113. Proto A.R., Cataldo M.F., Costa C., Papandrea S.F., Zimbalatti G., 2020. *A TOMOGRAPHIC APPROACH TO ASSESSING THE POSSIBILITY OF RING SHAKE PRESENCE IN STANDING CHESTNUT TREES*. European Journal of Wood and Wood Products, 78(6), 1137-1148. <http://dx.doi.org/10.1007/s00107-020-01591-0>
114. Vincenti B., Proto A.R., Paris E., Palma A., Carnevale M., Guerriero E., Bernardini, F., Tonolo, A., Di Stefano, V., Gallucci F., 2020. *CHEMICAL AND PHYSICAL CHARACTERIZATION OF PELLET COMPOSED OF BIOMASS OF DIFFERENT ESSENCES*. 28<sup>th</sup> European Biomass Conference and Exhibition, e-EUBCE Virtual; 6 - 9 July 2020; 251409, 124-127.

115. Zimbalatti G., Proto A.R., 2020. *LA MECCANIZZAZIONE DELLE UTILIZZAZIONI FORESTALI IN AREE SENSIBILI*. In: Carelli B., Curcio F., Battaglia M.: Cambiamenti Climatici – Tutela e gestione delle risorse agroforestali del Parco della Sila. Editore: Parco della Sila, 168 pp. ISBN 978-88-97750-33-8
116. Bacenetti J., Proto A.R., 2020. *CANTIERI MECCANIZZATI PER LA RACCOLTA DI BIOMASSA DA POTATURA NEL SUD ITALIA*. Mondo Macchina /Machinery World n. 10-11, Ottobre-Novembre, 82-87; FederUnacoma surl, Roma
117. Bacenetti J., Proto A.R., Benalia S., Gallucci F. 2020. *UN'EFFICIENTE MECCANIZZAZIONE PER LA VALORIZZAZIONE DEI RESIDUI DI POTATURA*. Mondo Macchina/Machinery World n. 10-11, Ottobre-Novembre, 88-93; FederUnacoma surl, Roma
118. Papandrea S.F., Proto A.R., Cataldo M.F., Zimbalatti G., 2021. *Comparative evaluation of inspection techniques for decay detection in urban trees*. Environmental Sciences Proceedings, 3(1). <https://doi.org/10.3390/IECF2020-07969>
119. Fusi A., Bacenetti J., Proto A.R., Tedesco D., Pessina D., Facchinetti D., 2021. *PELLET PRODUCTION FROM MISCANTHUS: ENERGY AND ENVIRONMENTAL ASSESSMENT*. Energies, 14(1), 73. <https://doi.org/10.3390/en14010073>
120. Proto A.R., Palma A., Paris E., Papandrea S.F., Vincenti B., Carnevale M., Guerriero E., Bonofiglio R., Gallucci F., 2021. *ASSESSMENT OF WOOD CHIP COMBUSTION AND EMISSION BEHAVIOR OF DIFFERENT AGRICULTURAL BIOMASSES*. Fuel, 289, 119758. <https://doi.org/10.1016/j.fuel.2020.119758>
121. Spinelli R., Magagnotti N., Cosola G., Grigolato S., Marchi L., Proto A.R., Labelle E.R., Visser R., Erber G., 2021. *SKYLINE TENSION AND SHOCK-LOADING FOR CABLE YARDING WITH CONVENTIONAL SINGLE-HITCH VERSUS HORIZONTAL DOUBLE-HITCH SUSPENSION*. International Journal of Forest Engineering; 32, 31–41. <https://doi.org/10.1080/14942119.2021.1909322>
122. Stoilov S., Proto A.R., Angelov G., Papandrea S.F., Borz S.A., 2021. *EVALUATION OF SALVAGE LOGGING PRODUCTIVITY AND COSTS IN SENSITIVE FORESTS OF BULGARIA*. Forests, 12(3), 309. <https://doi.org/10.3390/f12030309>
123. Borz S.A., Oghnoum M., Marcu V.M., Lorincz A., Proto A.R., 2021. *PERFORMANCE OF SMALL-SCALE SAWMILLING OPERATIONS: A CASE STUDY ON TIME CONSUMPTION, PRODUCTIVITY AND MAIN ERGONOMICS FOR A MANUALLY DRIVEN BANDSAW*. Forests, 12, 810. <https://doi.org/10.3390/f12060810>
124. Papandrea S.F., Cataldo M.F., Palma A., Gallucci F., Zimbalatti G., Proto A.R. 2021. *PELLETIZATION OF COMPOST FROM DIFFERENT MIXTURES WITH THE ADDITION OF EXHAUSTED EXTINGUISHING POWDERS*. Agronomy, 11, 1357. <https://doi.org/10.3390/agronomy11071357>
125. Zimbalatti G., Proto A.R. 2021. *LE FORESTE DEL MEDITERRANEO: UN'IMPORTANTE RISORSA ECONOMICA E AMBIENTALE DA VALORIZZARE*. Contributo inserito nel Volume "Agricoltura, Società e Sviluppo Sostenibile dell'Area del Mediterraneo edito da Rubbettino Editore - ISBN 9788849869040
126. Figorilli S., Bruzzese S., Proto A.R., Costa C., Moscovini L., Blanc S., Brun F., 2021. *A BLOCKCHAIN IMPLEMENTED APP FOR FORESTRY NURSERY MANAGEMENT*. IEEE International Workshop on Metrology for Agriculture and Forestry, MetroAgriFor, November 2021, Code 175226 2021. <https://doi.org/10.1109/MetroAgriFor52389.2021.9628715>
127. Cataldo M.F., Marcu M.V., Iordache E., Zimbalatti G., Proto A.R., Borz S.A, 2022. *PERFORMANCE OF FORWARDING OPERATIONS IN BIOMASS RECOVERY FROM APPLE ORCHARDS*. Small-scale Forestry, 21, 349–367, <https://doi.org/10.1007/s11842-022-09500-4>
128. Papandrea S.F., Cataldo M.F., Zimbalatti G., Proto A.R., 2022. *COMPARATIVE EVALUATION OF INSPECTION TECHNIQUES FOR DECAY DETECTION IN URBAN TREES*. Sensors and Actuators A: Physical, 340, 113544. <https://doi.org/10.1016/j.sna.2022.113544>
129. Vacchiano G., Ancona V., Badiani M., Chiarabaglio P., Faccoli M., Fini A., Minotta G., Marchetti M., Nervo G., Paris P., Proto A., Sperandio G., Zanuttini R., Zimbalatti G., 2022. *INTENSIFICAZIONE SOSTENIBILE NELLA FILIERA DEL PIOPPO*. Atti del XVIII Convegno AISSA, Milano. ISBN: 978-88-945925-2-8
130. Borz S.A.; Forkuo G.O.; Oprea-Sorescu O.; Proto A.R., 2022. *DEVELOPMENT OF A ROBUST MACHINE LEARNING MODEL TO MONITOR THE OPERATIONAL PERFORMANCE OF FIXED-POST MULTI-BLADE VERTICAL SAWING MACHINES*. Forests, 13, 1115. <https://doi.org/10.3390/f13071115>
131. Borz S., Cheta M., Birda M., Proto A.R., 2022. *CLASSIFYING OPERATIONAL EVENTS IN CABLE YARDING BY A MACHINE LEARNING APPLICATION TO GNSS-COLLECTED DATA: A CASE STUDY ON GRAVITY-ASSISTED DOWNHILL YARDING*. Bulletin of the Transilvania University of Brasov, Series II: Forestry and Wood Industry, Vol. 15(64), No. 1, 13-32. <https://doi.org/10.31926/but.fwiae.2022.15.64.1.2>
132. Borz S., Proto A.R., 2022. *APPLICATION AND ACCURACY OF SMART TECHNOLOGIES FOR MEASUREMENTS OF ROUNDWOOD: EVALUATION OF TIME CONSUMPTION AND EFFICIENCY*. Computers and Electronics in Agriculture, 197, 106990. <https://doi.org/10.1016/j.compag.2022.106990>

133. Papandrea S.F., Cataldo M.F., Bernardi B., Zimbalatti G., Proto A.R., 2022. *THE PREDICTIVE ACCURACY OF MODULUS OF ELASTICITY (MOE) IN THE WOOD OF STANDING TREES AND LOGS*. Forests, 13(8), 1273. <https://doi.org/10.3390/f13081273>
134. Palma A., Paris E., Carnevale M., Vincenti B., Perilli M., Guerriero E., Cerasa M., Proto A.R., Papandrea S.F., Bonofiglio R., Gallucci F., 2022. *BIOMASS COMBUSTION: EVALUATION OF POPs EMISSIONS (VOC, PAH, PCB, PCDD/F) FROM THREE DIFFERENT BIOMASS PRUNINGS (OLIVE, CITRUS AND GRAPEVINE)*. ATMOSPHERE, 13(8), 1273. <https://doi.org/10.3390/f13081273>
135. Borz S.A., Proto A.R., Keefe R., Nità M. D., 2022. EDITORIAL: *ELECTRONICS, CLOSE-RANGE SENSORS AND ARTIFICIAL INTELLIGENCE IN FORESTRY*. Forests, 13(10), 1669; <https://doi.org/10.3390/f13101669>
136. Papandrea S.F., Cataldo M.F., Zimbalatti G., Grigolato S., Proto A.R., 2022. *WHAT IS THE CURRENT ERGONOMIC CONDITION OF CHAINSAWS IN NON-PROFESSIONAL USE? A CASE STUDY TO DETERMINE VIBRATIONS AND NOISES IN SMALL-SCALE AGROFORESTRY FARMS*. Forests, 13(11), 1876. <https://doi.org/10.3390/f13111876>
137. Borz S.A., Papandrea S.F., Marcu M.V., Bacenetti J., Proto A.R., 2022. *POSTURAL ASSESSMENT OF THREE WOOD MEASUREMENT OPTIONS BY THE OWAS METHOD: DIGITAL SOLUTIONS SEEM TO BE BETTER*. Forests, 13(12), 2007. <https://doi.org/10.3390/f13122007>
138. Stoilov S., Angelov G., Panicharova T., Mederski P.S., Proto A.R., 2023. *MODELING PRODUCTIVITY AND ESTIMATING COSTS OF PRO-CESSOR TOWER YARDER IN SHELTERWOOD CUTTING OF PINE STAND*. Forests, 14, 195. <https://doi.org/10.3390/f14020195>
139. Borz S.A., Craciun B.C., Marcu M.V., Iordache E., Proto A.R., 2023. *COULD TIMBER WINCHING OPERATIONS BE CLEANER? AN EVALUATION OF TWO OPTIONS IN TERMS OF RESIDUAL STAND DAMAGE, SOIL DISTURBANCE AND OPERATIONAL EFFICIENCY*. European Journal of Forest Research. <https://doi.org/10.1007/s10342-023-01536-1>
140. Paris E., Carnevale M., Guerriero E., Palma A., Vincenti B., Khalid A., Rantica E., Proto A.R., Galluci F., 2023. *FIXED SOURCE MONITORING SYSTEM FOR MARKER EMISSION DURING BIOMASS COMBUSTION*. Renewable Energy, 208, 597 – 603. <https://doi.org/10.1016/j.renene.2023.03.116>
141. AA. VV., 2023. *LINEE GUIDA, INDICATORI, PROTOCOLLI E MODELLI. ESITI DEL PROGETTO DI RICERCA PRIN EUFORICC - ESTABLISHING URBAN FOREST BASED SOLUTIONS IN CHANGING CITIES - 20173RRN2S*. Ed. Compagnia delle Foreste. <https://doi.org/10.5281/zenodo.7950680>
142. Stoilov, S., Papandrea, S.F., Angelov, Oslekov, D., Zimbalatti G., Proto A.R., 2023. *PRODUCTIVITY ANALYSIS AND COSTS OF WHEEL CABLE SKIDDER DURING SALVAGE LOGGING IN EUROPEAN BEECH STAND*. Journal of Agricultural Engineering, 54 (2); <https://doi.org/10.4081/jae.2023.1419>
143. Palma A., Galluci F., Papandrea S., Carnevale M., Paris E., Vincenti B., Salerno M., Di Stefano V., Proto A.R., 2023. *EXPERIMENTAL STUDY ON COMBUSTION AND EMISSION FROM OLIVE AND CITRUS PELLET IN A SMALL BOILER*. Fire, 6(8), 288; <https://doi.org/10.3390/fire6080288>
144. Stoilov, S., Proto A.R., Oslekov D., Angelov G., Papandrea S.F., 2023. *FOREST OPERATIONS USING A COMBI-FORWARDER IN DECIDUOUS FORESTS*. Small-scale Forestry; <https://doi.org/10.1007/s11842-023-09552-0>
145. Bombino G., D'Agostino D., Marziliano P.A., Pérez Cutillas P., Praticò S., Proto A.R., Manti L.M., Lofaro G., Zimbone S.M., 2024. *A NATURE-BASED APPROACH USING FELLED BURNT LOGS TO ENHANCE FOREST RECOVERY POST-FIRE AND REDUCE EROSION PHENOMENA IN THE MEDITERRANEAN AREA*. Land, 13(2), 236; <https://doi.org/10.3390/land13020236>
146. Borz S.A., Morocho Toaza J.M., Proto A.R., 2024. *ACCURACY OF TWO LIDAR-BASED AUGMENTED REALITY APPS IN BREAST HEIGHT DIAMETER MEASUREMENT*. Ecological Informatics, 81, 102550. <https://doi.org/10.1016/j.ecoinf.2024.102550>
147. Paris E., Carnevale M., Palma A., Vincenti B., Salerno M., Proto A.R., Papandrea S.F., Guerriero E., Perilli M., Cerasa M., Di Stefano V., Gallucci F. 2024. *BIOMASS COMBUSTION IN BOILER: ENVIRONMENTAL MONITORING OF SUGAR MARKERS AND POLLUTANTS*. Atmosphere 15(4), 427, <https://doi.org/10.3390/atmos15040427>
148. Papandrea, S.F., Stoilov, S., Cataldo, M.F., Petkov, K., Angelov, Zumbo, A., Proto A.R., 2024. *EVALUATION OF PRODUCTIVITY AND COST ANALYSIS ON A COMBINED LOGGING SYSTEM*. Forests, 15 (6); <https://doi.org/10.3390/f15060980>
149. Papandrea S.F., Palma A., Carnevale M., Paris E., Vincenti B., Gallucci F., Proto A.R., 2024. *CHARACTERIZATION OF SEVERAL PELLETS FROM AGROFORESTRY RESIDUES: A COMPARATIVE ANALYSIS OF PHYSICAL AND ENERGY EFFICIENCY*. Fire 7(7), 239, <https://doi.org/10.3390/fire7070239>
150. Latterini F., Horodecki P., Dyderski M.K., Scarfone A., Venanzi R., Picchio R., Proto A.R., Jagodziński A.M., 2024. *MEDITERRANEAN BEECH FORESTS: THINNING AND GROUND-BASED SKIDDING ARE FOUND TO ALTER MICROARTHROPOD BIODIVERSITY WITH NO EFFECT ON LITTER DECOMPOSITION RATE*. Forest Ecology and Management, 569, <https://doi.org/10.1016/j.foreco.2024.122160>



151. Mammoliti A., Cataldo, M.F., Papandrea, S.F., Proto A.R., 2024. *MECHANICAL PROPERTIES OF BRANCH AND STEM WOOD FOR TWO MEDITERRANEAN CULTIVARS OF OLIVE TREE*. Journal of Wood Science, 70 (40), <https://doi.org/10.1186/s10086-024-02153-1>
152. Urso T., Zanetti M., Magnabosco A., Mammoliti A., Paccagnella M., Proto A.R., 2024. *QUALITATIVE WOOD ANATOMY STUDY OF OTTOBRATICA AND SINOPOLESE CULTIVARS OF OLEA EUROPAEA L.* Forests, 15(11), 2001, <https://doi.org/10.3390/f15112001>
153. Borz S.A., Proto A.R., 2024. *PREDICTING OPERATIONAL EVENTS IN MECHANIZED WEED CONTROL OPERATIONS BY OFFLINE MULTI-MODAL DATA AND MACHINE LEARNING PROVIDES HIGHLY ACCURATE CLASSIFICATION IN TIME DOMAIN*. Forests, 15(11), 2019, <https://doi.org/10.3390/f15112019>
154. Mercuri M., Marziliano P.A., Cataldo M.F., Papandrea S.F., Proto A.R., Lombardi F., 2024. *WOOD QUALITY OF SILVER FIR AFFECTED BY HETEROBASIDION SPP. IN PURE AND MIXED FOREST STANDS IN MEDITERRANEAN MOUNTAIN FORESTS*. Conference paper Networks, Markets & People. Lecture Notes in Networks and Systems, vol 1185, 448–460. Springer, Cham. [https://doi.org/10.1007/978-3-031-74672-7\\_44](https://doi.org/10.1007/978-3-031-74672-7_44)
155. Cataldo M.F., Lombardi F., Papandrea S.F., Mercuri M., Proto A.R., Marziliano P.A., 2024. *EFFECTS OF CUTTING AND LOGGING PROCESSES ON TREE RESPROUTING AND MORTALITY IN CHESTNUT COPPICES IN SOUTHERN ITALY*. Conference paper Networks, Markets & People. Lecture Notes in Networks and Systems, vol 1185, 435–447. Springer, Cham. [https://doi.org/10.1007/978-3-031-74672-7\\_43](https://doi.org/10.1007/978-3-031-74672-7_43)
156. Borz S., Proto A.R., 2024. *PREDICTING WILLOW PLANTING EVENTS BY CONVENTIONAL MACHINE LEARNING FROM GPS DATA: ACCURACY, GENERALIZATION ABILITY, AND POTENTIAL FOR IMPROVEMENT*. Bulletin of the Transilvania, Series II: Forestry and Wood Industry, Vol. 17(66), No. 2, 21-38. <https://doi.org/10.31926/but.fwiafe.2024.17.66.2.2>
157. Papandrea S.F., Stoilov S., Cataldo M.F., Nichev P., Angelov G., Proto A.R., 2025. *HOW DIFFERENT DISTRIBUTION OF ASSORTMENTS ON WORKSITES INFLUENCES FORWARDER PERFORMANCE IN CONIFEROUS PLANTATIONS*. Croatian Journal of Forest Engineering, 46 (1), 12 pp; <https://doi.org/10.5552/crojfe.2025.2593>
158. Borz S.A., Papandrea S.F., Zoli M., Bacenetti J., Proto A.R., 2025. *WILLOW SHORT-ROTATION COPPICE IN EASTERN EUROPE WITH SMALL MECHANISATION: ENERGY AND ENVIRONMENTAL ASSESSMENT*. Cleaner Environmental Systems, 16 (100249). <https://doi.org/10.1016/j.cesys.2024.100249>
159. Borz S.A., PROTO A.R., 2025. *LOW-COST PHONE-BASED LIDAR SCANNING TECHNOLOGY PROVIDES SUB-CENTIMETER ACCURACY WHEN MEASURING THE MAIN DIMENSIONS OF MOTOR-MANUAL TREE FELLING CUTS*. Ecological Informatics, 85, 102999. <https://doi.org/10.1016/j.ecoinf.2025.102999>
160. LATTERINI F., Dyderski M.K., Venanzi R., Papa I., Đuka A., Proto A.R., Tavankar F., Picchio R., 2025. *EFFECTS OF GROUND-BASED FOREST OPERATIONS ON ABOVEGROUND AND BELOWGROUND GROWTH OF SEEDLINGS: A META-ANALYSIS*. Croatian Journal of Forest Engineering, 46(2), 17 pp.; <https://doi.org/10.5552/crojfe.2025.3720>
161. Mammoliti A., Cataldo M.F., Zumbo A., Zimbalatti G., Proto A.R., 2025. *PERFORMANCE OF WHEEL CABLE-GRAPPLE SKIDDER EQUUS 175N IN CONIFERS STAND*. In: Sartori, L., et al. (eds) Biosystems Engineering Promoting Resilience to Climate Change - AIIA 2024 - Mid-Term Conference. MID-TERM AIIA 2024. Lecture Notes in Civil Engineering, vol 586. Springer. [https://doi.org/10.1007/978-3-031-84212-2\\_54](https://doi.org/10.1007/978-3-031-84212-2_54)
162. Zumbo A., Papandrea S.F., Mammoliti A., Proto A.R., Zimbalatti G., 2025. *PRODUCTIVITY AND PERFORMANCE OF A MID-SIZED HARVESTER IN SOUTH ITALY: A FIRST CASE STUDY*. In: Sartori, L., et al. (eds) Biosystems Engineering Promoting Resilience to Climate Change - AIIA 2024 - Mid-Term Conference. MID-TERM AIIA 2024. Lecture Notes in Civil Engineering, vol 586. Springer. [https://doi.org/10.1007/978-3-031-84212-2\\_53](https://doi.org/10.1007/978-3-031-84212-2_53)
163. Stoilov S., Zumbo A., Angelov G., Ustabasciev C., Papandrea S.F., Proto A.R., 2025. *PERFORMANCE EVALUATION OF LONG-DISTANCE ROAD TRANSPORTATION OF ROUNDWOOD IN MOUNTAINOUS CONDITIONS*. Forests, 16(5), 781; <https://doi.org/10.3390/f16050781>
164. Forkuo G.O., Proto A.R., Borz S.A., 2025. *DETECTING SEVERITY AND EXTENT OF SOIL DISTURBANCE IN FOREST OPERATIONS USING MOBILE LIDAR TECHNOLOGY*. Croatian Journal of Forest Engineering, 46(2), 18 pp.; <https://doi.org/10.5552/crojfe.2025.3246>
165. ZUMBO A., STOILOV S., NENOV I., ANGELOV G., PAPANDREA S., PROTO A.R., 2025. *PERFORMANCE ASSESSMENT OF LONG-distance TIMBER EXTRACTION IN ENVIRONMENTALLY SENSITIVE AREAS*. Journal of Forestry Research, 36(122); 15 pp.; <https://doi.org/10.1007/s11676-025-01911-1>
166. Cataldo, M.F., Mammoliti, A., Papandrea S.F., Proto, A.R., 2025. *SAWING YIELD ESTIMATION OF DEFECTIVE LOGS IN OLEA EUROPAEA L., ROBINIA PSEUDOACACIA L., AND CASTANEA SATIVA MILL. SPECIES GROWING IN SOUTHERN ITALY*. Annals of Forest Science, 82(36); <https://doi.org/10.1186/s13595-025-01305-7>

167. Bruzzese, S., Blanc, S., Costa, C., Violino, S., Proto, A.R., Brun, F. 2025. *CONSUMER AWARENESS AND WILLINGNESS TO PAY FOR BLOCKCHAIN-BASED TRACEABILITY SYSTEMS IN THE ITALIAN FOREST NURSERY SECTOR*. *Trees, Forests and People*, 22(101018); 9 pp.; <https://doi.org/10.1016/j.tfp.2025.101018>
168. Đuka, A., Papa I., Proto, A.R., Picchio, R., Latterini, F., Mederski, P., Iordache, E., Sokolović, D., Karišik, A., Stojnić, D., Danilović, M., 2025. *FOREST ACCESSIBILITY AND ROAD NETWORK DENSITY: A GLOBAL OVERVIEW WITH A SPECIAL FOCUS ON EUROPE*. *Current Forestry Reports*, *in press*;
169. Reyes Robalino, A.A., Picchio, R., Proto, A.R., Kaakkurivaara, N., Venanzi, R., Borz, S.A., 2025. *VIRTUAL REALITY SIMULATORS IN THE TRAINING PROCESS FOR FORESTRY OPERATORS: CURRENT STATE-OF-ART, CHALLENGES, AND FUTURE PERSPECTIVES*. *Current Forestry Reports*, *in press*;