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E. Cornelis, R. Guisson, K. Elst, S. Van Slycken, A. Peene, W. Dejonghe

VP2.8.2 Leaching Characteristic of Wood Pellet Combustion Residues from Different Combustion Equipments 1836
T. Sano, S. Miura, H. Furusawa, S. Kaneko, T. Yoshida, T. Nomura, S. Ohara

VP2.8.4 Energy Analysis and Bioremediation of Tar Applied to the Biomass Gasification Process 1841
G. Valducci Vecchi, L. Brusetti, S. Angeli, M. Grigante, M. Baratieri

VP2.8.5 A Novel Complex MSW and Biomass Processing System with the Economical and Environmental Target 1851
to Maximize Waste-To-Energy Output
L. Alexa, L. Bokányi, B. Csóke, T. Varga

VP2.8.6 Hydrolysis of Sunflower Stalks Using Nitric, Phosphoric and Sulphuric Acids 1858
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OC2 Pellet production from wood and alternative biomass

- OC2.2 Effect of Starch Addition on Physical Quality and Thermogravimetric Behaviour of Pellets from Different Biomass Raw Materials 1862
J.M. Castellano, M. Gómez, J.M. López, L.S. Esteban, J.E. Carrasco
- OC2.3 Compaction Characteristics of Common Reeds and Mechanism for Solid Biofuel Production 1866
E. Repša, Ě. Kronbergs, M. Šmits

OC5 Characterisation and supply of solid biofuels

- OC5.1 Economical Assessment of Blended Biomass Pellets Production 1871
M. Kappes, A. Schneider, D. Hein, W. Krumm
- OC5.3 Pelletisation of Rye- and Wheat Straw with Additives 1878
S. Narra, S. Dasgupta, P. Ay, T. Zheng, N. Weller
- OC5.4 Production Systems of Forest Chips in Finland 1884
K. Kärh 
- OC5.5 Creating Eu-Malaysia Business Partnership In Biomass Commercialisation Via Biomass-Sp 1888
D.L.K. Mun, A.A. Nurhidayati

OC8 Torrefaction and hydrothermal carbonisation

- OC8.1 ACB - A Brief Introduction 1892
K. Trattner
- OC8.2 Hydrothermal Carbonisation (HTC): Recycling of Process Water 1894
J. Stemann, F. Ziegler
- OC8.4 Torrefaction and Compaction of Eucalyptus and Spruce Wood 1900
I. Olofsson, E. Sandstr m, M. Nordwaeger, M. Rudolfsson, S. Larsson, T. Lestander, G. Kal n, R. Samuelsson, L. Pommer, M. Br nnstr m, A. Nordin
- OC8.5 Influence of Torrefaction Treatment on Wood Powder Properties 1902
M. Almendros, O. Bonnefoy, A. Govin, W. Nastoll, E. Sanz, R. Andreux, R. Guyonnet

OD2 First generation liquid biofuels: alternative resources for innovative and efficient conversion

- OD2.1 Sweet Sorghum: Integrated Bioethanol and Biogas Production from a High Water-Use Efficient Energy Crop 1905
D. Picco, M. Pin, A. Vecchiet, R. Balducci, G. Di Natale, I. Piscioneri, F. Fornasier, C. Mondini, E. Tomat
- OD2.2 Bioethanol Production from Carob Pod by Solid Submerged Fermentation 1913
S. Saharkhiz, D. Mazaheri, S.A. Shojaosadati, F. Rezvani
- OD2.4 Old Oil Palm Trunk: A Promising Source of Sugars for Bioethanol Production 1917
T. Arai, A. Kosugi, Y. Murata, S. Nirasawa, R. Tanaka, O. Sulaiman, R. Hashim, M. Nor Mohd Yusof, W. Asma Ibrahim, Y. Mori

OD5 The chemical pathway towards second generation biofuels

- OD5.2 Assessment of Ligno-Cellulosic Bioethanol Concepts in Austria - Technical, Economic and Environmental Aspects 1921
K. K nighofer, P. Kravanja, L. Canella, G. Jungmeier, A. Friedl

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| OD5.4 | Industrial Demonstration of Second Generation Bioethanol Production in Italy: the BIOLYFE Project <i>D. Chiaramonti, A. Giovannini, A. Frattini, S. Ferrero</i> | 1925 |
| OD5.5 | The Potential of Combined Ethanol Fermentation and Biogas Digestion of Lignocellulosic Biomass in Connection with Municipal Combined Heat and Power Plants <i>S. Trobro, D.Y. Dererie, M.H. Momeni, H. Hansson, J. Blomqvist, V. Passoth, A. Schnürer, M. Sandgren, J. Ståhlberg</i> | 1931 |
| OE5 Biogas - production, upgrading and use | | |
| OE5.1 | Biomethane Injection into the Gas Grid - A Multi Criteria Analysis <i>J. Pucker, D. Schinnerl, J. Bleyl, G. Jungmeier, C. Leonhartsberger, M. Eder, D. Steiner, A. Türk, F. Pretenthaler, H. Rohrer</i> | 1935 |
| VISUAL PRESENTATIONS: VP3.1 - Production and supply of solid biofuels | | |
| VP3.1.3 | Pelletisation of Biogas Residues with Pelleting Discs <i>S. Narra, P. Bhandari, C. Glaser, P. Ay, H. Bischof, G. Busch</i> | 1937 |
| VP3.1.5 | Influence of the Stalk Orientation on the Mechanical Properties of Biomass Briquettes <i>D. Ancans, A. Kakitis, I. Nulle</i> | 1942 |
| VP3.1.7 | Abrasion and Strength of the Biomass Pellets as Main Mechanical Stability Characteristic <i>S. Narra, C. Glaser, P. Ay</i> | 1947 |
| VP3.1.9 | Analysis of Characteristics and Behavior of Commercial and Laboratory-Made Pellets in Extremadura (Spain) <i>J.I. Arranz Barriga, M.T. Miranda García-Cuevas, S. Román Suero, I. Montero Puertas, S. Rojas Rodríguez, C.V. Rojas Moreno</i> | 1952 |
| VP3.1.10 | Variation in Chemical Composition and Certification of Biomass <i>L.K. Andersen, T.J. Morgan, S.V. Vassilev, A.K. Boulamanti, J. Giuntoli, I. Adanouj, C. Dean, P. Fennell, C.G. Vassileva, D. Baxter</i> | 1958 |
| VP3.1.11 | Enhancing the Implementation of Quality and Sustainability Standards for Solid Biofuels <i>W. Hiegl, R. Janssen</i> | 1962 |
| VP3.1.13 | GIS and LCA Methods Combined for Evaluation of Effects of Local Raw Material Availability and Road Network Properties on the Sustainability of Biomass Supply <i>E. Jäppinen, O.-J. Korpinen</i> | 1964 |
| VP3.1.15 | Fuels From Oranges Wastes: Recovery of Wastes from Juice Industry for the Production of Biopellets <i>P. Plescia, E. Tempesta, F. Trapasso, M. Reale</i> | 1969 |
| VP3.1.16 | Comminution Phenomena of Wood Pellets and Chips Under Combustion and Gasification Conditions <i>P. Ammendola, R. Chirone, G. Ruoppolo, F. Scala</i> | 1973 |
| VP3.1.23 | New Biomass Classification Based on the Chemical Composition <i>S.V. Vassilev, D. Baxter, L.K. Andersen, C.G. Vassileva</i> | 1977 |
| VP3.1.25 | Blended Fuels Based on Alternative Biomasses - An Aspect to Fuel Standards <i>A. Schneider, M. Kappes, C. Kirsten, N. Weller, B. Lemin, E. Schotte, D. Hein, W. Krumm</i> | 1980 |
| VP3.1.27 | Research and Development of an Energy Conservation High-Impact Pulverizing Mill for Biomass <i>T. Takahashi, K. Ito, A. Ito, J. Kobayashi, Y. Enda, M. Gochi</i> | 1985 |
| VISUAL PRESENTATIONS: VP3.2 - Torrefaction of biomass | | |
| VP3.2.1 | Effects of Temperature and Holding Time During Torrefaction on the Pyrolysis Behaviors of Woody Biomass <i>N. Worasuwannarak, J. Wannapeera, B. Fungtammasan</i> | 1991 |

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| VP3.2.4 | Energy and Exergy Analysis of Biomass Gasification with Dried and Torrefied Willow as Feedstocks <i>D. Tapasvi, R.S. Kempegowda, I.S. Ertesvåg, K.-Q. Tran, Ø. Skreiberg</i> | 1995 |
| VP3.2.6 | Hydrothermal Carbonization: Influence of Plant Capacity, Feedstock Choice and Location on Product Cost <i>B. Wirth, G. Eberhardt, H. Lotze-Campen, B. Erlach, S. Rolinski, P. Rothe</i> | 2001 |
| VP3.2.7 | Torrefaction and Syntesis Gas Production <i>V.V. Kosov, V.F. Kosov, V.A. Sinelshchikov, V.M. Zaichenko</i> | 2011 |
| VP3.2.10 | Fundamental Study on Production of "Hyper Wood Pellet" - (2) Effect of Torrefaction Condition of Japanese Wood Chips on Grinding and Pelletizing Properties <i>T. Yoshida, T. Sano, T. Nomura, H. Gensai, H. Watada, D. Kamikawa, K. Kuroda, Y. Kubojima, H. Furusawa, S. Miura, S. Kaneko, S. Ohara</i> | 2015 |
| VP3.2.11 | Fundamental Study on Production of "Hyper Wood Pellet " (3) Upgraded Pellet Making by Torrefaction of Japanese Wood Pellets <i>T. Nomura, H. Gensai, H. Watada, T. Sano, D. Kamikawa, K. Kuroda, Y. Kubojima, H. Furusawa, S. Miura, S. Kaneko, S. Ohara, T. Yoshida</i> | 2019 |
| VP3.2.12 | Characterization of Torrefied Oil Palm Frond <i>Y. Uemura, W.N. Omar, A.A.F.B. Soratman, S.B. Yusup, T. Tsutsui</i> | 2022 |
| VP3.2.16 | Biomass Steam Processing of Barley Straw towards Biocoal - A Carbonisation Alternative <i>D. Reichert, B. Genova, J. Steinbrueck, M. Rossbach, L. Walz, H. Bockhorn</i> | 2027 |
| VP3.2.22 | ECN Torrefaction Technology Heading for Demonstration <i>F. Verhoeff, J.R. Pels, A.R. Boersma, R.W.R. Zwart, J.H.A. Kiel</i> | 2032 |
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| VP3.3.2 | Purification of Crude Biodiesel Fuel by Electrical Fields - Part II a model for Analysis of a New Separator Using Simplified Concept of Multi Extraction Stages <i>T. Kai, T. Nakazato, H. Takanashi, T. Funakawa, M. Iba, M. Maruyama</i> | 2039 |
| VP3.3.3 | Monitoring of Biodiesel Synthesis Reactions by Isothermal Microcalorimetry <i>R. Andre, G. Defosse, P. Le Parlouër</i> | 2043 |
| VP3.3.4 | Oxidative and Storage Stability of Biodiesel Made from Rapeseed Oil <i>V. Kampars, R. Kampare</i> | 2046 |
| VP3.3.5 | Purification of Crude Biodiesel Fuel by Electrical Fields Part I - A new Separator Using Simplified Concept of Multi Extraction Stages <i>H. Takanashi, R. Kubo, T. Nakajima, A. Ohki, T. Kai, T. Funakawa, M. Iba, M. Maruyama</i> | 2049 |
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| VP3.3.7 | N, P, K Recovery by Wet Oxidation of Fermentation Residue for Renewable Re-Generation of Yeast <i>Y. Yamashita, Y. Matsumura, T. Yanagida</i> | 2057 |
| VP3.3.8 | Efficiency of Solid Basic Catalyst in the Transesterification of Fried Vegetable Oils <i>E. Viola, V. Valerio, I. Guidi, A. Blasi, A. Battafarano, F. Zimbardi</i> | 2059 |
| VP3.3.10 | From Crop to Biofuels: a Case Study of Sunflower Crude Oil Production in Tuscany <i>F. Barontini, M. Simone, G. Ragaglini, A. Mancini, S. D'Alvano, F. Triana, C. Nicoletta</i> | 2062 |
| VP3.3.12 | Co-Processing of Rapeseed Oil and Gas Oil Mixture to Produce Diesel Fuel <i>C. Tóth, P. Baladincz, I. Wáhlne Horváth, J. Hancsók</i> | 2070 |
| VP3.3.14 | Production of Motor Fuels by Hydrogenation of Seed Rape Oil with High Euric Acid Content <i>P. Solymosi, P. Baladincz, J. Hancsók</i> | 2077 |

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| VP3.3.18 | Screening of Different Feedstock for Biodiesel Production by Process Simulation <i>A. Blasi, E. Viola, F. Zimbardi</i> | 2082 |
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| VP3.4.6 | Co-fermentation of Sewage Sludge and CO ₂ Boosted by Alcohol-containing Bioliquids: Enhancing Biomethane Production in a Two-phase Anaerobic Digestion Process <i>C. Salomoni, A. Caputo, M. Bonoli, O. Francioso, M.T. Rodriguez-Estrada, D. Palenzona</i> | 2095 |
| VP3.4.8 | Biomethane Production from Cheese Whey in a Two-Phase Anaerobic Digestion System: Integration of Sewage Sludge Treatment and Dairy By-Products Recovery <i>C. Salomoni, A. Caputo, M. Bonoli, O. Francioso, M.T. Rodriguez-Estrada, D. Palenzona</i> | 2097 |
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