

Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context

Usmani, Zeba; Sharma, Minaxi; **Karpichev, Yevgen** Renewable and sustainable energy reviews 2020 / art. 109965, 16 p. : ill
<https://doi.org/10.1016/j.rser.2020.109965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applications of fungal cellulases in biofuel production : advances and limitations

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; **Gupta, Vijai Kumar**; Molina, Gustavo; Rodriguez-Couto, Susana; Manikanta, Ambepu; Ramteke, Pramod Wasudeo Renewable and Sustainable Energy Reviews 2018 / p. 2379 - 2386
<https://doi.org/10.1016/j.rser.2017.08.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Buildings' energy efficiency measures effect on CO2 emissions in combined heating, cooling and electricity production

Pylsy, Petri; **Lylykangas, Kimmo Sakari**; **Kurnitski, Jarek** Renewable and sustainable energy reviews 2020 / art. 110299, 18 p : ill
<https://doi.org/10.1016/j.rser.2020.110299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combining bioenergy and nature conservation: An example in wetlands

Melts, Indrek; **Ivask, Mari**; Geetha, Mohan; Takeuchi, Kazuhiko; Heinsoo, Katrin Renewable and sustainable energy reviews 2019 / p. 293-302 <https://doi.org/10.1016/j.rser.2019.05.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decarbonization strategies of Helsinki metropolitan area district heat companies

Su, Yijie; **Hiltunen, Pauli**; **Syri, Sanna**; Khatiwada, Dilip Renewable and Sustainable Energy Reviews 2022 / Art. 112274
<https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhanced bioremediation of pulp effluents through improved enzymatic treatment strategies : a greener approach

Dixit, Mandeep; Gupta, Guddu Kumar; **Usmani, Zeba**; Sharma, Minaxi; Shukla, Pratyosh Renewable and Sustainable Energy Reviews 2021 / Art. 111664 <https://doi.org/10.1016/j.rser.2021.111664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hot-spots of large wave energy resources in relatively sheltered sections of the Baltic Sea coast

Kovaleva, Olga; **Eelsalu, Maris**; **Soomere, Tarmo** Renewable and sustainable energy reviews 2017 / p. 424-437 : ill
<https://doi.org/10.1016/j.rser.2017.02.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of mechanisms behind converter-related issues in power systems based on an overview of real-life events

De Rua, Philippe; Roose, Thomas; Sakinci, Özgür Can; **de Morais Dias Campos, Nathalia**; Beerten, Jef Renewable and sustainable energy reviews 2023 / art. 113431 <https://doi.org/10.1016/j.rser.2023.113431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An integrated approach to subtractive solar envelopes based on attribute information from point cloud data

Alkadri, Miktha Farid; **De Luca, Francesco**; Turrin, Michel; Sariyildiz, Sevil Renewable and sustainable energy reviews 2020 / art. 109742, 19 p. : ill <https://doi.org/10.1016/j.rser.2020.109742> <http://resolver.tudelft.nl/uuid:be100809-acfd-4489-8e26-7a35731d514b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Large-scale heat pumps for district heating systems in the Baltics : potential and impact

Volkova, Anna; Koduvere, Hardi; Pieper, Henrik Renewable and sustainable energy reviews 2022 / art. 112749
<https://doi.org/10.1016/j.rser.2022.112749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lignocellulosic biorefineries : the current state of challenges and strategies for efficient commercialization

Usmani, Zeba; Sharma, Minaxi; Awasthi, Abhishek Kumar; **Lukk, Tiit**; Tuohy, Maria G.; Gong, Liang; Nguyen-Tri, Phuong; Goddard, Alan D.; Bill, Roslyn M.; Nayak, S. Chandra; Gupta, Vijai Kumar Renewable and sustainable energy reviews 2021 / art. 111258, 14 p. : ill <https://doi.org/10.1016/j.rser.2021.111258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power quality improvement in DG based distribution systems : A review

Nabian Dehaghani, Mitra; **Korötko, Tarmo**; **Rosin, Argo** Renewable and Sustainable Energy Reviews 2026 / art. 116184
<https://doi.org/10.1016/j.rser.2025.116184> <https://www.sciencedirect.com/science/article/pii/S1364032125008573>

Progress in renewable electricity in Northern Europe towards EU 2020 targets

Cross, Sam; Hast, Aira; **Kuhi-Thalfeldt, Reeli**; Syri, Sanna; Streimikiene, Dalia; Denina, Arta Renewable and Sustainable Energy Reviews 2015 / p. 1768 - 1780 <https://doi.org/10.1016/j.rser.2015.07.165> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Progress toward improving ethanol production through decreased glycerol generation in *Saccharomyces cerevisiae* by metabolic and genetic engineering approaches

Naghshbandi, Mohammad Pooya; Tabatabaei, Meisam; Aghbashlo, Mortaza; **Gupta, Vijai Kumar**; Sulaiman, Alawi; Karimi, Keikhosro; Moghimi, Hamid; Maleki, Mina Renewable and Sustainable Energy Reviews 2019 / Art. 109353
<https://doi.org/10.1016/j.rser.2019.109353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review of demand side flexibility potential in Northern Europe

Söder, Lennart; Lund, Peter D.; **Koduvere, Hardi**; Folsland Bolkesjø, Torjus Renewable and Sustainable Energy Reviews 2018 / p.

654-664 : ill <https://doi.org/10.1016/j.rser.2018.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Techno-economic assessment of CO2 capture possibilities for oil shale power plants

Saia, Artjom; Nešumajev, Dmitri; Hazak, Aaro; Sander, Priit; Järvik, Oliver; Konist, Alar Renewable and sustainable energy reviews 2022 / art. 112938, 11 p. : ill <https://doi.org/10.1016/j.rser.2022.112938> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I : thermoelectric concepts, domestic boilers and biomass stoves

Kütt, Lauri; Millar, John; Karttunen, Antti; Karppinen, Maarit Renewable and Sustainable Energy Reviews 2018 / p. 519-544 <https://doi.org/10.1016/j.rser.2017.03.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)