

### **A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica**

Gupta, Ashutosh; Pandey, Vaibhav; **Yadav, Mayank Kumar**; Mohanta, Kalyani; Majhi, Manas Ranjan *Ceramics international* 2022 / p. 35750-35758 <https://doi.org/10.1016/j.ceramint.2022.07.098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites**

Sharma, Shubham; **Singh, Neera**; Kumar, Devendra; Gupta, Sumit; Chaudhary, Vijay; Gupta, Niraj; Gupta, Pallav *Journal of Advanced Manufacturing Systems* 2023 / p. 603-618 <https://doi.org/10.1142/S0219686723500270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Densities, viscosities, and thermal conductivities of the ionic liquid 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-enium acetate and its mixtures with water**

**Baird, Zachariah Steven**; Uusi-Kyyny, Petri; Dahlberg, Artur; Cederkrantz, Daniel; Alopaeus, Ville *International journal of thermophysics* 2020 / art. 160, 21 p. : ill <https://doi.org/10.1007/s10765-020-02742-4>

### **Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite**

Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; **Singh, Neera**; Jamwal, Anbesh *Materials today: proceedings* 2020 / p. 1407-1411 <https://doi.org/10.1016/j.matpr.2019.08.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Effect of different hardwood species and lay-up schemes on the mechanical properties of plywood**

**Kallakas, Heikko; Rohumaa, Anti; Vahermets, Harti; Kers, Jaan** *Forests* 2020 / art. 649, 13 p. : ill <https://doi.org/10.3390/f11060649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of hardwood veneer densification on plywood density, surface hardness, and screw withdrawal capacity**

**Kallakas, Heikko; Kallakas, Heikko; Akkurt, Tolgay; Akkurt, Tolgay**; Scharf, Alexander; Scharf, Alexander; **Mühls, Fred; Mühls, Fred; Rohumaa, Anti; Rohumaa, Anti; Kers, Jaan; Kers, Jaan** *Forests* 2024 / art. 1275 <https://doi.org/10.3390/f15071275>

### **Globalization of insurance industry**

Peleckis, Kestutis; Peleckiene, Valentina; Lace, Natalja; **Põlajeva, Tatjana**; Nedelko, Zlatko; Potocan, Vojko *Globalization and its Socio-Economic Consequences : 16th International Scientific Conference : proceedings : 5th-6th October 2016, Rajecke Teplice, Slovak Republic. Part 4 2016* / p. 1649-1656 : ill [http://ke.uniza.sk/sites/default/files/content\\_files/part\\_iv\\_final\\_2.pdf](http://ke.uniza.sk/sites/default/files/content_files/part_iv_final_2.pdf)

### **Mechanical and physical properties of industrial hemp-based insulation materials**

**Kallakas, Heikko**; Närep, Merili; Närep, Aivo; **Poltimäe, Triinu; Kers, Jaan** *Proceedings of the Estonian Academy of Sciences* 2018 / p. 183-192 : ill <https://doi.org/10.3176/proc.2018.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural, mechanical and corrosion behaviour of Al-Si alloy reinforced with SiC metal matrix composite**

Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** *Journal of composite materials* 2019 / p. 4215-4223 : ill <https://doi.org/10.1177/0021998319856679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Parametric study on in situ Laser powder bed fusion of Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>**

**Minasyan, Tatevik; Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** *Materials* 2020 / art. 4849, 17 p. : ill <https://doi.org/10.3390/ma13214849> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Physical properties of 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-ene (mTBD)**

**Baird, Zachariah Steven**; Dahlberg, Artur; Uusi-Kyyny, Petri; Osmanbegovic, Nahla; Witos, Joanna; Helminen, Jussi; Cederkrantz, Daniel; Hyväri, Paulus; Alopaeus, Ville; Kilpeläinen, Ilkka; Wiedmer, Susanne K.; Sixta, Herbert; Uusi-Kyyny, Petri *International journal of thermophysics* 2019 / art. 71, 23 p. : ill <https://doi.org/10.1007/s10765-019-2540-2>

### **Predicting fuel properties using chemometrics : a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density**

**Baird, Zachariah Steven; Oja, Vahur** *Chemometrics and intelligent laboratory systems* 2016 / p. 41-47 : ill <https://doi.org/10.1016/j.chemolab.2016.08.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Vapor pressures, densities, and PC-SAFT parameters for 11 bio-compounds**

**Baird, Zachariah Steven**; Uusi-Kyyny, Petri; Pokki, Juha-Pekka; Pedegert, Emilie; Alopaeus, Ville *International journal of thermophysics* 2019 / art. 102, 36 p. : ill <https://doi.org/10.1007/s10765-019-2570-9>

### **Yields and the selected physicochemical properties of thermobitumen as an intermediate product of the pyrolysis of Kukersite oil shale**

**Astra, Hanna-Liina; Albert, Tiina; Mozaffari, Sepehr; Järvi, Oliver; Yanchilin, Alexey; Kamenev, Sven**; Karagöz, Selhan; **Oja, Vahur** *Oil shale* 2021 / p. 295-316 <https://doi.org/10.3176/oil.2021.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

