

Optimizing mechanical strength and thermal stability of sisal fiber-plastic composites by high-temperature treatment	Mungle, N.P. , Jadhav, V.D., Kulkarni, S.K., ...Saminathan, R., Satishkumar, P.	Interactions 246(1)	2025
Strength and durability predictions of ternary blended nano-engineered high-performance concrete: Application of hybrid machine learning techniques with bio-inspired optimization	Mungle, N.P. , Vairagade, V.S., Bahoria, B.V., ...Isleem, H.F., Shelke, N.	Engineering Applications of Artificial Intelligence 148	2025
Predictive modeling for concrete properties under variable curing conditions using advanced machine learning approaches	Mungle, N.P. , Mate, D.M., Mankar, S.H., ...Dhale, S.A., Vairagade, V.S.	Asian Journal of Civil Engineering 25(8), pp. 6249-6265	2024
Applications of computational intelligence for predictive modeling of properties of blended cement sustainable concrete incorporating various industrial byproducts towards sustainable construction	Mungle, N.P. , Mate, D.M., Mankar, S.H., ...Vairagade, V.S., Shelare, S.D.	Asian Journal of Civil Engineering 25(8), pp. 5939-5954	2024
Performance assessment of solar dryer to remove moisture from beans	Mungle, N.P. , Kamble, P.D., Waghmare, S.N., ...Lanjewar, P.S., Mandavgade, N.K.	AIP Conference Proceedings 3214(1)	2024

Improving Epoxy Resin Performance with Sepiolite and Al₂O₃-Doped Sepiolite: Flame Retardancy and Thermal Stability

Mungle, N.P., Vasoya, N.H., Sakthivel, T.G., ...Selvarasu, S., Satishkumar, P.

Materials Science Forum

1136, pp. 29-40

2024

A review of microstructure, mechanical properties, and welding of SS316L

Mungle, N., Bhoyar, D.

Recent Advances in Materials Manufacturing and Machine Learning

pp. 639-648

2024

Development of Paddy Transplanter Machine Using Low-Cost Materials

Mungle, N., Waghmare, S., Shelare, S., ...Sakhare, V., Dhande, M.

Lecture Notes in Mechanical Engineering

pp. 59-73

2024

Development of IOT-Based Hybrid Helium Drone for Flight Time Enhancement

Mungle, N.P., Waghmare, S.N., Shelare, S.D., ...Aglawe, K.R.

Lecture Notes in Mechanical Engineering

pp. 329-339

2023

Structural design and its analysis of two station notching tool for industrial die

Waghmare, S.N., Shelare, S.D., Bahl, S., ...Kumar Bagha, A., Chandmal Sharma, R.

Materials Today: Proceedings

68, pp. 1335-1341

2022

Experimental analysis on roof construction	Mungle, N.P. , Mandavgade, N.K., Mandavgade, S.K., ...Mungle, A.N., Muley, M.D.	Materials Today: Proceedings 49, pp. 1395-1400	2021
Distribution of temperature and stresses in a quadrangular plate	Mungle, N.P. , Mungale, A.N., Mandavgade, N.K.	Materials Today: Proceedings 47, pp. 6093-6096	2021
Estimation of time fractional deflection in isosceles vibrating plate	Mungle, N.P. , Mandavgade, N.K., Mandavgade, S.K.	Materials Today: Proceedings 47, pp. 5869-5872	2021
One dimensional thermal shock problem in a thick plate	Mungle, N.P. , Mandavgade, N.K., Mandavgade, S.K., ...Verma, M.	Materials Today: Proceedings 47, pp. 5892-5894	2021
Thermal modelling of thin equilateral triangular plate	Mungle, N.	JP Journal of Heat and Mass Transfer 23(1), pp. 113-125	2021

Design and analysis of power screw for manhole cover lifter

Mungle, N., Waghmare,
S., Tembhurkar, C., ...Shelare,
S., Pathare, N.

International Journal of
Recent Technology and
Engineering

8(2), pp. 2782-2786

2019

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improvisation using Six Sigma
