

SOME RECENT RESEARCH PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:

S. No.	Authors	Title of the paper	Journal, Volume, Page Nos.	Year	Publisher
1	Suneel Kumar Sharma, Kavyashree, Priyanka Maurya, S.N. Pandey	Development of highly efficient supercapacitor based on a ternary (Sr(OH) ₂ /CoO(OH)/Mn(O) ₂) composite: With tuberos mesoporous nanospheres structure	<i>Journal of Energy Storage</i> , 79 , 110140 (1-24)	2024	Elsevier I.F.: 9.400
2	Priyanka Maurya, Suneel Kumar Sharma, S.N. Pandey	First report on binder-free boehmite (AlOOH) based prototype, flexible, high-energy and high-power density solid-state symmetric supercapacitor	<i>Journal of Energy Storage</i> , 78 , 110036 (1-16)	2024	Elsevier I.F.: 9.400
3	Suneel Kumar Sharma, Kavyashree, Shama Parveen, S.N. Pandey	High Performance Binary Composite (Sr(OH) ₂ /CoO(OH)) Thin Film for Solid State Supercapacitor	<i>Journal of Energy Storage</i> , 51 104328 (1-16)	2022	Elsevier I.F.: 6.583
4	Shama Parveen, Kavyashree, Suneel Kumar Sharma, Priyanka Maurya, S.N. Pandey	Supercapacitive performance evaluation of chemically synthesised binder free Y(OH) ₃ electrode	<i>Journal of Alloys and Compounds</i> , 901 , 163617 (1-10)	2022	Elsevier I.F.: 5.316
5	Savita Patil, Shrikant Raut, Bidhan Pandit, S. N. Pandey, Shilpa Pande, B. R. Sankapal	Web-analogues Iron hydroxide@Cadmium hydroxide one dimensional nanostructure: Electrochemical supercapacitor	<i>Journal of Materials Science: Materials in Electronics</i> , 32 , 22472–22480	2021	Springer I.F.: 2.478
6	Shama Parveen, Kavyashree, Suneel Kumar Sharma, SN Pandey	High performance solid state symmetric supercapacitor based on reindeer moss-like structured Al(OH) ₃ /MnO ₂ /FeOOH composite electrode for energy storage applications	<i>Energy</i> , 224 , 120137(1-12)	2021	Elsevier I.F.: 7.147
7	Kavyashree, Shama Parveen, Suneel Kumar Sharma and S. N. Pandey	Solid-state symmetric supercapacitor based on Y doped Sr(OH) ₂ using SILAR method	<i>Energy</i> , 197 , 117163 (1-12)	2020	Elsevier I.F.: 7.147
8	V. K. Chandrasekar, A. K. Tiwari, S. N. Pandey, M. Senthilvelan, and M. Lakshmanan	Response to “Comment on ‘Classification of Lie point symmetries for quadratic Lienard type equation “ $x + f(x) \dot{x}^2 + g(x) = 0$ ” ” [J. Math. Phys. 61,	<i>J. Math. Phys.</i> , 61 , 044101(1-3)	2020	American Institute of Physics I.F.: 1.355

		044101 (2020)]			
9	Shama Parveen, Kavyashree, S. N. Pandey	Embedded coral reef sponge like structured Al(OH) ₃ /FeOOH composite for flexible solid-state symmetric supercapacitor	<i>Journal of Power Sources</i> , 44 , 227304 (1-12)	2020	Elsevier I.F.: 9.127
10	Kavyashree, R. P. Yadav, Shama Parveen, Leela Pradhan Joshi, S. N. Pandey	Fractal characterization of flakes covered tuberose structured Cu:Sr(OH) ₂ thin film as supercapacitive electrode	<i>Materials Research Bulletin</i> , 120 , 110574 (1-8)	2019	Elsevier I.F.: 3.355
11	Shama Parveen, Kavyashree, S. N. Pandey	Electrochemical study of 3D hierarchical dandelion-fiber flake-like structure of Al(OH) ₃ /MnO ₂ nanocomposite thin film for future supercapacitor applications	<i>Electrochimica Acta</i> , 319 , 832-842	2019	Elsevier I.F.: 5.383
12	Kavyashree, Shama Parveen, S. S. Raut, M.K. Tiwari, B. R. Sankapal, S. N. Pandey	Flexible iron-doped Sr(OH) ₂ fibre wrapped tuberose for high-performance supercapacitor electrode	<i>Journal of Alloys and Compounds</i> , 781 , 831-841	2019	Elsevier I.F.: 3.779
13	Kavyashree, R. K. Pandey, R. P. Yadav, Manvendra Kumar, H. P. Bhaskar, A. K. Mittal, A. C. Pandey, S. N. Pandey	Substrate effect on the evolution of surface morphology of BaF ₂ thin films: A study based on fractal concepts	<i>Applied Surface Science</i> , 466 , 780-786	2019	Elsevier I.F.: 4.439
14	Kavyashree, Shrikant S. Raut, Babasaheb R. Sankapal, S. N. Pandey	Influence of Cu on the performance of tuberose architecture of Strontium Hydroxide thin film as a supercapacitor electrode	<i>ChemElectroChem</i> , 5 , 4021-4028	2018	Wiley I.F.: 4.446
15	Kavyashree, Shrikant S. Raut, Babasaheb R. Sankapal, S. N. Pandey	Tuberose surface architecture of Sr(OH) ₂ film as supercapacitive electrode	<i>Electrochimica Acta</i> , 258 , 34-42	2017	Elsevier I.F.: 5.116
16	R. P. Yadav, D. C. Agarwal, Manvendra Kumar, Parasmani Rajput, D. S. Tomar, S. N. Pandey, P. K. Priya, A. K. Mittal	Effect of angle of deposition on the Fractal properties of ZnO thin film surface	<i>Applied Surface Science</i> , 416 , 51-58	2017	Elsevier I.F.: 4.439
17	R. P. Yadav, Tanuj Kumar, V. Baranwal, Vandana, Manvendra Kumar, P. K. Priya, S. N. Pandey, A. K. Mittal	Fractal characterization and wettability of ion treated silicon surfaces	<i>Journal of Applied Physics</i> , 121 , 55301 (1-7)	2017	American Institute of Physics I.F.: 2.176
18	Kapil K. Sharma, S. N. Pandey	Robustness of Greenberger-Horne-Zeilinger and W states against Dzyaloshinskii-	<i>Quantum Inf. Process</i> 15 , 4995-5009	2016	Springer I.F.: 2.283

		Moriya interaction			
19	Kapil K. Sharma, S. N. Pandey	Dynamics of entanglement in qubit-qutrit with x-component of DM interaction	<i>Commun. Theor. Phys.</i> 65 , 278-284	2016	IOP, Publishing Ltd. I.F.: 1.178
20	Kapil K. Sharma, S. N. Pandey	Dzyaloshinskii-Moriya interaction as an agent to free the bound entangled states	<i>Quantum Inf. Process</i> 15 , 1539–1551	2016	Springer I.F.: 2.283
21	Ajey K. Tiwari, V. K. Chandrasekar, S. N. Pandey, M. Senthilvelan, M. Lakshmanan	The inverse problem of a mixed Liénard type nonlinear oscillator equation from symmetry perspective	<i>Acta Mechanica</i> , 227 , 2039–2051	2016	Springer I.F.: 2.113
22	Kapil K. Sharma, S. N. Pandey	Influence of Dzyaloshinskii–Moriya interaction on quantum correlations in two-qubit Werner states and MEMS	<i>Quantum Inf. Process</i> 14 , 1361-1375	2015	Springer I.F.: 2.283
23	Ajey K. Tiwari, S. N. Pandey, M. Senthilvelan, M. Lakshmanan	Lie point symmetries classification of the mixed Liénard-type equation	<i>Nonlinear Dyn.</i> 82 , 1953-1968	2015	Springer I.F.: 3.464
24	Ajey K. Tiwari, V. K. Chandrasekar, S. N. Pandey, M. Lakshmanan	Factorization technique and isochronous condition for coupled quadratic and mixed Liénard-type nonlinear systems	<i>Applied Mathematics and Computation</i> 252 , 457–472	2015	Elsevier I.F.: 2.300
25	A. Saini, V. M. Vyas, Thokala Soloman Raju, S. N. Pandey, Prasanta K. Panigrahi	Super and subluminal propagation in nonlinear Schrödinger equation model with self-steepening and self-frequency shift	<i>J. Nonlinear Optical Physics & Materials</i> 24 , 1550033 (1-14)	2015	World Scientific I.F.: 1.491
26	N. G. Pramod, S. N. Pandey	Effect of Li doping on the structural, optical and formaldehyde sensing properties of In ₂ O ₃ thin films	<i>Ceram. Int.</i> 41 , 527–532	2015	Elsevier I.F.: 2.758
27	N. G. Pramod, S. N. Pandey	Influence of Sb doping on the structural, optical, electrical and acetone sensing properties of In ₂ O ₃ thin films	<i>Ceram. Int.</i> 40 , 3461 - 3468	2014	Elsevier I.F.: 2.605
28	Mohan Chandra Mathpal, Promod Kumar, Balasubramani-yan R., Jin Suk Chung, Anand Kumar Tripathi, Manish Kumar Singh, M. M. Ahmad, S. N. Pandey, Arvind Agarwal	Ag/TiO ₂ /graphene stacking for plasmonic metamaterial-based transparent semiconducting thin films	<i>Materials Letters</i> 128 , 306 - 309	2014	Elsevier I.F.: 2.489
29	Ajey K. Tiwari, S. N. Pandey, M. Senthilvelan, M.	Erratum: “Classification of Lie point symmetries for quadratic Lienard type equation	<i>J. Math. Phys.</i> 55 , 059901 (1-2)	2014	American Institute of Physics

	Lakshmanan	$\ddot{x} + f(x)\dot{x}^2 + g(x) = 0$. [J. Math. Phys. 54, 053506 (2013)]			I.F.: 1.243
30	Kapil K. Sharma, S. N. Pandey	Entanglement dynamics in two-parameter qubit–qutrit states under Dzyaloshinskii–Moriya interaction	<i>Quantum Inf. Processing</i> 13 , 2017-2038	2014	Springer I.F.: 1.923
31	Kapil K. Sharma, S. K. Awasthi, S. N. Pandey	Entanglement sudden death and birth in qubit-qutrit systems under Dzyaloshinskii-Moriya interaction	<i>Quantum Inf. Processing</i> 12 , 3437-3447	2013	Springer I.F.: 1.923
32	Ajey K. Tiwari, S. N. Pandey, M. Senthilvelan and M. Lakshmanan	Classification of Lie point symmetries for quadratic Liénard-type equation $\ddot{x} + f(x)\dot{x}^2 + g(x) = 0$.	<i>J. Math. Phys.</i> 54 , 053506 (1-19)	2013	American Institute of Physics I.F.: 1.243
33	N. G. Pramod, S. N. Pandey, P. P. Sahay	Sn-Doped In ₂ O ₃ Nanocrystalline Thin Films Deposited by Spray Pyrolysis: Microstructural, Optical, Electrical, and Formaldehyde-Sensing Characteristics	<i>J. Therm. Spray Technol.</i> 22 , 1035-1043	2013	Springer I.F.: 1.344
34	Mohan Chandra Mathpal, Anand Kumar Tripathi, Manish Kumar Singh, S. P. Gairola, S. N. Pandey, Arvind Agarwal	Effect of annealing temperature on Raman spectra of TiO ₂ nanoparticles	<i>Chem. Phys. Lett.</i> 555 , 182–186	2013	Elsevier I.F.: 1.991
35	P. P. Sahay, R. K. Mishra, S. N. Pandey, S. Jha, M. Shamsuddin	Structural, dielectric and photoluminescence properties of co-precipitated Zn-doped SnO ₂ nanoparticles	<i>Curr. Appl. Phys.</i> 13 , 479-486	2013	Elsevier I.F.: 2.026