

RECENT RESEARCH PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:

S. No.	Authors	Title of the paper	Journal, Volume, Page Nos.	Year	Publisher and Impact Factor
1	Abhishek Kumar Sahu and S. N. Pandey	Electrochemical study of Mn-doped Ba(OH) ₂ electrode for supercapacitor application	Energy Storage, 8 , e70402	2026	Wiley I.F.: 4.71
2	Priyanka Maurya, Suneel Kumar Sharma, S.N. Pandey	Hierarchical flower-like AlOOH/CoO(OH) nanocomposite electrodes for highperformance supercapacitors	<i>Discover Nano</i> , 21 , 23 (1-19)	2026	Springer Nature I.F.: 4.5
3	Priyanka Maurya, Suneel Kumar Sharma, S.N. Pandey	Pseudocapacitor to supercapattery transition in AlOOH induced by iron doping	<i>Journal of Energy Storage</i> , 112 , 115551 (1-18)	2025	Elsevier I.F.: 8.9
4	Suneel Kumar Sharma, Priyanka Maurya, S.N. Pandey	Hydrothermal growth of 2D AlOOH nanoflakes with semi-green approach towards solid-state symmetric supercapacitor	<i>Materials Chemistry and Physics</i> 339 , 130779 (1-16)	2025	Elsevier I.F.: 4.3
5	Suneel Kumar Sharma, Priyanka Maurya, M. Nidya, Nilam Sherestha Pradhan and S N Pandey	Cost-effective synthesis of the InO(OH) thin film and exploration of its electrochemical properties as supercapacitor electrode	<i>Phys. Scr.</i> 100 , 035928 (1-14)	2025	IOP Publishing I.F.: 2.6
6	Suneel Kumar Sharma, Priyanka Maurya, S.N. Pandey	Enriched performance of solid-state symmetric supercapacitor based on ((Sr (OH) 2/FeO (OH)) binary composite electrode	<i>Materials Chemistry and Physics</i> 333 , 130357 (1-18)	2025	Elsevier I.F.: 4.3
7	Priyanka Maurya, Suneel Kumar Sharma, Somendra Singh, S.N. Pandey	2-D hexagonal plates architected zinc titanate perovskite based high-performance solid-state supercapacitor	<i>Ceramics International</i> 51 , 11541–11559	2025	Elsevier I.F.: 5.1
8	Abhishek Kumar Sahu and S. N. Pandey	Binder Free Tuberosa Architecture of Barium Hydroxide Thin Film for Supercapacitor Application	<i>Journal of Materials Science: Materials in Electronics</i> , 36,500 (1-17)	2025	Springer I.F.: 2.8
9	Priyanka Maurya, Suneel Kumar Sharma, S.N. Pandey	Fractal supported electrochemical analysis of MoO ₃ decorated AlOOH binary composite for supercapacitor application	<i>Surfaces and Interfaces</i> , 54 , 105199 (1-16)	2024	Elsevier I.F.: 5.700
10	Suneel Kumar Sharma, Kavyashree, S. N. Pandey	Efficient Electrochemical performance of Sr(OH) ₂ :MnO ₂ binary composites for solid state symmetric supercapacitor	<i>ChemistrySelect</i> , 9 , e202303325 (1-15)	2024	Wiley I.F.: 2.2

11	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
12	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
13	Abhishek Kumar Sahu and S N Pandey	Synthesis of Cu doped Ba(OH) ₂ thin film by SILAR method for supercapacitor electrode application	<i>Phys. Scr.</i> 100 , 015912 (1-15)	2024	IOP Publishing I.F.: 2.6
14	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.: 8.907
15	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
16	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
17	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
18	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
19	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 $\ddot{x} + f(x)\dot{x}^2 + g(x) = 0$ ”” [J. Math. Phys. 61, 044101 (2020)]	<i>J. Math. Phys.</i> , 61 , 044101 (1-3)	2020	American Institute of Physics I.F.: 1.355
20	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

