

**Shri Shivaji Science College, Amravati**  
**Name of The Teaching Faculty: Deshmukh R G**

**Department: Physics**

**Total No of Papers Published: \_9\_**

**Total No of papers inScopus/ WoS: \_16\_**

Sr no	Title of Paper	Authors	Dept/Affiliation	Journal / Proceeding	Pub Details	Year	ISSN / DOI	Scopus / WoS Link
1	Polymer-Nanowire Hybrid Composites Based on PEDOT:PSS and AgNWs for Flexible Devices	R. Muthukumar, S. M. Prakash, Nantha Kumar P, Dinesh V, Radhey Shyam Meena, Sivakumar, <b>Radhika G Deshmukh</b> , V G Pratheep, Zakir Hussain	Physics / Shri Shivaji Science College, Amravati, MH, India)	<i>Journal of Polymer and Composites</i>	Vol.13 (05):236-250	2025	ISSN:2321-2810; DOI: <a href="https://doi.org/10.37591/JOPC.v13i05.225295">https://doi.org/10.37591/JOPC.v13i05.225295</a>	<b>Not in Scopus / WoS core</b> (STM Journals)
2	Titanium carbide coating for corrosion protection of graphite in PEM fuel cells	R. Surakasi, Magesh Babu, <b>Radhika G. Deshmukh</b>		<i>AIP Conference Proceedings</i>	3270(1):020263	2025	DOI: 10.1063/5.013XXX (AIP)	AIP Conf. Proc. in <b>Scopus &amp; WoS</b> – <a href="https://pubs.aip.org/aip/acp/article-abstract/3270/1/020263/3343961">https://pubs.aip.org/aip/acp/article-abstract/3270/1/020263/3343961</a>
3	Nanostructured materials for next-generation sensors and detectors	(Authors incl. <b>Radhika G. Deshmukh</b> )		<i>AIP Conf. Proc.</i>	3300(1):020011	2025	DOI needed	Likely indexed in Scopus & WoS (AIP Proc) <a href="https://pubs.aip.org/aip/acp/article-abstract/3300/1/020011/3356459/Nanostructured-materials-for-nextgeneration?redirectedFrom=PDF#:~:text=Nanostructured%20material%20for%20next%20generation%2">https://pubs.aip.org/aip/acp/article-abstract/3300/1/020011/3356459/Nanostructured-materials-for-nextgeneration?redirectedFrom=PDF#:~:text=Nanostructured%20material%20for%20next%20generation%2</a>

								<a href="#">Osensors%20and%20detectors</a>
4	Integration of technology in teaching physics: benefits, challenges, solutions	<b>R. G. Deshmukh</b>		<i>e-Proceedings</i>		2024	<i>DOI/ISSN not found</i>	Not Scopus / WoS <a href="https://ir.uitm.edu.my/id/eprint/114242/1/114242.pdf#page=89">https://ir.uitm.edu.my/id/eprint/114242/1/114242.pdf#page=89</a>
5	Simulation of Carbon Nanotubes and Nano Based Material for Molecular Device Applications	<b>R. G. Deshmukh et al.</b>		<i>Published by IOP</i>	(specific journal/series needed)	2022	<i>DOI required</i>	Depends on IOP journal indexing <a href="https://iopscience.iop.org/article/10.1149/10701.13403ecst/meta">https://iopscience.iop.org/article/10.1149/10701.13403ecst/meta</a>
6	Power yield improvement of wind turbine & fatigue load mitigation using predictive active flow control	<b>R. G. Deshmukh</b>	(Dept?)	<i>Energy Reports</i>	Vol.?	2022	<i>Index only</i>	Scopus: <a href="https://scholar.google.com/">https://scholar.google.com/</a> ... (citation)
7	Experimental analysis on tribological characteristics of AZ60A/Gr/BN magnesium composites	<b>R. G. Deshmukh et al.</b>	Physics/Engineering	<i>Journal of Nanomaterials</i>	2022	ISSN (Wiley)	Scopus & WoS listed	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1155/2022/2312076">https://onlinelibrary.wiley.com/doi/abs/10.1155/2022/2312076</a>
8	5G network virtualization for remote driving enhancement	<b>R. G. Deshmukh et al.</b>	Computer/EE	<i>IEEE</i>	2022	ISSN/DOI (IEEE Xplore)	Scopus & WoS indexed	<a href="https://ieeexplore.ieee.org/abstract/document/9711894/">https://ieeexplore.ieee.org/abstract/document/9711894/</a>
9	Energy storage technologies: integrated survey...	<b>R. G. Deshmukh et al.</b>	(Multiple affils)	<i>Journal of Energy Storage</i>	Elsevier	2023	ISSN:2352-152X; DOI:10.1016/j.est.2023.108694	Scopus & WoS: <a href="https://www.scopus.com/">https://www.scopus.com/</a> ...
10	IoT based solar energy monitoring system	<b>R. G. Deshmukh et al.</b>	Physics / IoT	<i>Materials Today: Proceedings</i>	(80)	2023	ISSN:2214-7853; DOI:10.1016/j.m	Scopus & WoS Entry <a href="https://www.sciencedirect.com/science/article/pii/S2">https://www.sciencedirect.com/science/article/pii/S2</a>

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11	Pixel density based trimmed median filter for noise removal	<b>R. G. Deshmukh</b> et al.	(Image Processing)	<i>Applied Nanoscience</i>	2023	DOI needed	Scopus indexed (likely)	<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:UeHWp8X0CEIC">https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:UeHWp8X0CEIC</a>
12	Energy transfer mechanism in $K_2Ba(PO_4)F:Dy^{3+}, Eu^{3+}$ ...	<b>R. G. Deshmukh</b> et al.	(Material Science)	<i>Journal of Molecular Structure</i>	2022	DOI needed	Scopus & WoS	<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:kNdYIx-mwKoC">https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:kNdYIx-mwKoC</a>
13	A highly consistent multiport DC-DC converter-based sustainable energy sources	<b>R. G. Deshmukh</b> et al.	(Engineering)	<i>Materials Today: Proceedings</i>	2022	ISSN: 2214 - 7853	Scopus & WoS Entry	<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:Tyk-4Ss8FVUC">https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=A6Q7I3cAAAAJ&amp;citation_for_view=A6Q7I3cAAAAJ:Tyk-4Ss8FVUC</a>
14	Bianchi Type-II, VIII & IX Universe with Wet Dark Fluid in TRf Theory	<b>R. G. Deshmukh</b>	Mathematics/Physics	<i>Scholar article</i>	2013	No DOI/ISSN	Not Scopus / WoS	
15	Bianchi Type Universe with anisotropic dark energy in Lyra geometry	<b>R. G. Deshmukh</b>	Math/Physics	<i>American Journal of Mathematics &amp; Math Sci.</i>	2013	ISSN needed	Likely non-indexed	
16	Spectroscopic study compound $Na_2BaCa(PO_4)_3:Eu^{3+}$ phosphor	<b>R. G. Deshmukh</b>	(Material Science)	<i>J. Electrical Systems</i>	2024	ISSN needed	Not Scopus / WoS	