

**17.2.4 b – University as a body initiate and  
participate in cross-sectoral dialogue -  
(International Collaborations –  
Research Projects)**

Sl.No	Department	International Journal / Conference	Name of the Author(s)	Title of Research Publication(s)	Details of International Journal	Year	Publication Weblink	SDG(s) Addressed	Is this a joint publication with International Author(s)? Yes/No
1	Mech	Journal	Kabeel, A. E., Muthu Manokar, A., Sathyamurthy, R., Prince Winston, D., El-Agouz, S. A., & Chamkha, A. J.	A review on different design modifications employed in inclined solar still for enhancing the productivity	Journal of Solar Energy Engineering, 141	2019	<a href="https://doi.org/10.1115/1.4041547">https://doi.org/10.1115/1.4041547</a>	SDG - 7	Yes
2	Mech	Journal	Kabeel, A. E., Sathyamurthy, R., El Agouz, S. A., Muthu Manokar, A., Tripathi, A., & Abdelaziz, G. B.	Experimental investigation of a hybrid setup for distilled water and power production.	<i>Desalination Water Treatment</i>	2019	<a href="https://www.deswater.com/DWT_abstracts/vol_162/162_2019_30.pdf">https://www.deswater.com/DWT_abstracts/vol_162/162_2019_30.pdf</a>	SDG - 7	Yes
3	Mech	Journal	Kabeel, A. E., El Agouz, E. S., Prakash, N., Prasad, C., Sathyamurthy, R. Manokar, A. M. , 48(6), 2428-2439.	Performance analysis of spiral and serpentine tube solar collector with carbon nanotube nanofluids under natural flow method.	<i>Heat Transfer—Asian Research</i>	2019	<a href="https://doi.org/10.1002/htj.21502">https://doi.org/10.1002/htj.21502</a>	SDG - 7	Yes
4	Mech	Journal	Kabeel, A. E., Sathyamurthy, R., El-Agouz, S. A., & El-Said, E. M.	Experimental studies on inclined PV panel solar still with cover cooling and PCM	<i>Journal of Thermal Analysis and Calorimetry</i> , 138	2019	<a href="https://link.springer.com/article/10.1007/s10973-019-08561-6">https://link.springer.com/article/10.1007/s10973-019-08561-6</a>	SDG - 7	Yes

5	Mech	Journal	Manokar, A. M., Vimala, M., Sathyamurthy, R., Kabeel, A. E., Winston, D. P., & Chamkha, A. J.	Enhancement of potable water production from an inclined photovoltaic panel absorber solar still by integrating with flat-plate collector	<i>Environment, Development and Sustainability</i>	2019	<a href="https://link.springer.com/article/10.1007/s10668-019-00376-7">https://link.springer.com/article/10.1007/s10668-019-00376-7</a>	SDG - 7	Yes
6	Mech	Journal	Balachandran, G. B., David, P. W., Vijayakumar, A. B. P., Kabeel, A. E., Athikesavan, M. M., & Sathyamurthy, R.	Enhancement of PV/T-integrated single slope solar desalination still productivity using water film cooling and hybrid composite insulation	<i>Environmental Science and Pollution Research</i>	2019	<a href="https://link.springer.com/article/10.1007/s11356-019-06131-9">https://link.springer.com/article/10.1007/s11356-019-06131-9</a>	SDG - 7	Yes
7	Mech	Journal	Sasikumar, C., Manokar, A. M., Vimala, M., Winston, D. P., Kabeel, A. E., Sathyamurthy, R., & Chamkha, A. J.	Experimental studies on passive inclined solar panel absorber solar still	<i>Journal of Thermal Analysis and Calorimetry</i>	2019	<a href="https://doi.org/10.1007/s10973-019-08770-z">DOI:10.1007/s10973-019-08770-z</a>	SDG - 7	Yes
8	Mech	Journal	Balachandran, G. B., David, P. W., Mariappan, R. K., Kabeel, A. E., Athikesavan, M. M., & Sathyamurthy, R.	Improving the efficiency of single-sloped solar still using thermally conductive nano-ferric oxide	<i>Environmental Science and Pollution Research</i>	2019	<a href="https://link.springer.com/article/10.1007/s11356-019-06661-2">https://link.springer.com/article/10.1007/s11356-019-06661-2</a>	SDG - 7	Yes
9	Mech	Journal	Khechekhouche, A., Benhaoua, B., Manokar, M., Sathyamurthy, R., Kabeel, A. E., & Driss, Z.	Sand dunes effect on the productivity of a single slope solar distiller	<i>Heat and Mass Transfer</i>	2019	<a href="https://link.springer.com/article/10.1007/s00231-019-02786-9">https://link.springer.com/article/10.1007/s00231-019-02786-9</a>	SDG - 7	Yes

10	Mech	Journal	Kabeel, A. E., El-Agouz, E. S., Athikesavan, M. M., Ramalingam, R. D., Sathyamurthy, R., Prakash, N., Prasad, C.	Comparative analysis on freshwater yield from conventional basin-type single slope solar still with cement-coated red bricks: an experimental	<i>Environmental Science and Pollution Research</i>	2019	<a href="https://link.springer.com/article/10.1007/s11356-019-07288-z">https://link.springer.com/article/10.1007/s11356-019-07288-z</a>	SDG - 7	Yes
11	Mech	Journal	Manokar, A. M., Vimala, M., Winston, D. P., Sathyamurthy, R., & Kabeel, A. E.	Effect of insulation on energy and exergy effectiveness of a solar photovoltaic panel incorporated inclined solar still—an experimental investigation	<i>Solar desalination technology</i>	2019	<a href="https://link.springer.com/chapter/10.1007/978-981-13-6887-5_13">https://link.springer.com/chapter/10.1007/978-981-13-6887-5_13</a>	SDG - 7	Yes
12	Mech	Journal	Kabeel, A. E., Sathyamurthy, R., Sharshir, S. W., Muthumanokar, A., Panchal, H., Prakash, N., ... & El Kady, M. S.	Effect of water depth on a novel absorber plate of pyramid solar still coated with TiO2 nano black paint	Journal of cleaner production, Volume 213	2019	<a href="https://doi.org/10.1016/j.jclepro.2018.12.185">DOI:10.1016/j.jclepro.2018.12.185</a>	SDG - 7	Yes
13	Mech	Journal	Madhu, B., Balasubramanian, E., Kabeel, A. E., Sathyamurthy, R., El Agouz, E. S. Muthu Manokar, A.	Experimental investigation on the effect of photovoltaic panel partially and fully submerged in water	<i>Heat Transfer—Asian Research, Volume 48</i>	2019	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/htj.21453">https://onlinelibrary.wiley.com/doi/full/10.1002/htj.21453</a>	SDG - 7	Yes
14	Mech	Journal	Khechekhouche, A., Benhaoua, B., Manokar, A. M., Kabeel, A. E., & Sathyamurthy, R. . , 48(5), 1563-1574.	Exploitation of an insulated air chamber as a glazed cover of a conventional solar still	Heat Transfer—Asian Research, Volume 48	2019	<a href="https://doi.org/10.1002/htj.21446">https://doi.org/10.1002/htj.21446</a>	SDG - 7	Yes

15	Mech	Journal	Sathyamurthy, R., Kabeel, A. E., El Agouz, E. S., Rufus, D., Panchal, H., Arunkumar, T., Winston, D. G. P.	Experimental investigation on the effect of MgO and TiO <sub>2</sub> nanoparticles in stepped solar still.	<i>International Journal of Energy Research, Volume 43</i>	2019	<a href="https://doi.org/10.1002/er.4460">https://doi.org/10.1002/er.4460</a>	SDG - 7	Yes
16	Mech	Journal	Panchal, H., Sathyamurthy, R., Kabeel, A. E., El-Agouz, S. A., Rufus, D., Arunkumar, T. & Sadasivuni, K. K	Annual performance analysis of adding different nanofluids in stepped solar still	Journal of Thermal Analysis and Calorimetry	2019	<a href="https://doi.org/10.1007/s10973-019-08346-x">DOI:10.1007/s10973-019-08346-x</a>	SDG - 7	Yes
17	Mech	Journal	Kabeel, A.E., Ravishankar Sathyamurthy, Muthu Manokar, A, Swellam W. Sharshir, Essa, F.A., Ammar, H. Elshiekh	Experimental study on tubular solar still using Graphene Oxide Nano particles in Phase Change Material (NPCM's) for fresh water production	<i>Journal of Energy Storage, Volume 28</i>	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2352152X19314483">https://www.sciencedirect.com/science/article/abs/pii/S2352152X19314483</a>	SDG - 7	Yes
18	Mech	Journal	Muthu Manokar, A, Vimala, M, Prince Winston, D, Rajendran, D.R., Ravishankar Sathyamurthy, Kabeel, A.E	Year around distilled water production, energy and economic analysis of solar stills - A comparative study	<i>Heat Transfer, Volume 49</i>	2020	DOI:10.1002/htj.21793	SDG - 7	Yes
19	Mech	Journal	Muthu Manokar, A, Vimala, M, Prince Winston, D, Rajendran, D.R., Ravishankar Sathyamurthy, Kabeel, A.E	A comparative study of 3E (energy, exergy, and economy) analysis of various solar stills	<i>Heat Transfer, Volume 49</i>	2020	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.21832">https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.21832</a>	SDG - 7	Yes

20	Mech	Journal	Rajendran Duraisamy Ramalingam, Ganapathy Sundaram Esakkimuthu, Jawahar Paulraj, Kabeel Abd Elnaby, Muthumanokar Athikesavan, Ravishankar	Inferences on the effects og geometries and heat transfer fluids in multi- cavity solar receivers by using CFD	<i>Renewable Energy and Water Sustainabilit y, Volume 27</i>	2020	DOI:10.1007/s 11356-019- 06829-w	SDG - 7	Yes
21	Mech	Journal	Shanmugan S, Essa F.A., Shiva Gorjjanc, Kabeel A.E., Ravishankar Sathyamurthy,	Experimental study on single slope single basin solar still using TiO <sub>2</sub> nano layer for natural clean water invention	<i>Journal of Energy Storage, Volu me 30</i>	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2352152X20307295">https://www.sciencedirect.com/science/article/abs/pii/S2352152X20307295</a>	SDG - 7	Yes
22	Mech	Journal	Essa F.A., Ammar H Elsheikh, Ravishankar Sathyamurthy, Muthu Manokar, A, Kandeal, A.W., Shanmugan, S, Kabeel A.E., Swllam W. Sharshir, Hitesh Panchal, Younes M.M..	Extracting water content from the ambient air in a double-slope half- cylindrical basin solar using silica gel under Egyptian conditions	<i>Sustainable Energy Technologie s and Assessment s</i>	2020	DOI:10.1016/j. seta.2020.1007 12	SDG - 7	Yes
23	Mech	Journal	Muthu Manokar, A, Yazan Taamneh, Abd Elnaby Kabeel, Prince Winston D, Vijayabalan, P, Balaji D, Ravishankar Sathyamurthy, Padmanaba Sundar S, Mageshbabu D	Effect of water depth and insulation on the productivity of an acrylic pyramid solar still - An experimental study	<i>Groundwater for Sustainable Developmen t, Volume 10</i>	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2352801X1930390X">https://www.sciencedirect.com/science/article/abs/pii/S2352801X1930390X</a>	SDG - 7	Yes
24	Mech	Journal	Ravishankar Sathyamurthy, Abd Elnaby Kabeel, Madhu Balasubramanian, Mageshbabu Devarajan, Swellam W Sharshir, Muthu Manokar, A	Experimental study on enhancing the yield from stepped solar still coated fumed silica nanoparticle in black paint	<i>Materials Letters, Volume 272</i>	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X20305784">https://www.sciencedirect.com/science/article/abs/pii/S0167577X20305784</a>	SDG - 7	Yes

25	Mech	Journal	Mohammed El Hadi Attia, Zied Driss, Muth Manokar, A, Ravishankar Sathyamurthy	Effect of aluminum balls on the productivity of solar distillate	<i>Journal of Energy Storage</i>	2020	DOI:10.1016/j.est.2020.101466	SDG - 7	Yes
26	Mech	Journal	Kamlesh Pansal, Bharat Ramani, Kishor kumar Sadasivuni, Hitesh Panchal, Muthu Manokar, A, Ravishankar Sathyamurthy, Kabeel. A.E, Suresh. M, Mohammad Israr.	Use of solar photovoltaic with active solar still to improve distillate output: A review	<i>Groundwater for Sustainable Development, Volume 10</i>	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2352801X19303935">https://www.sciencedirect.com/science/article/abs/pii/S2352801X19303935</a>	SDG - 7	Yes
27	Mech	Journal	Mohammed El Hadi Attia, Karthick, A, Muthu Manokar, A, Zied Driss, Abd Elnaby Kabeel, Ravishankar Sathyamurthy, Mohsen Sharifpur	Sustainable potable water production from conventional solar still during the winter season at Algerian dry areas: energy and exergy analysis	<i>Journal of Thermal Analysis and Calorimetry,</i>	2020	DOI:10.1007/s10973-020-10277-x	SDG - 7	Yes
28	Mech	Journal	Asif Afzal, Mohammed Samee, A.D., Jilte R.D., Md. Tariqul Islam, Muthu Manokar, A, Kaladgi Abdul Razak	Battery thermal management: An optimization study of parallelized conjugate numerical analysis using Cuckoo search and Artificial bee colony	<i>International Journal of Heat and Mass Transfer, Volume 166</i>	2020	DOI:10.1016/j.ijheatmasstransfer.2020.120798	SDG - 7	Yes
29	Mech	Journal	Mohammed El Hadi Attia, Zied Driss, Abd Elnaby Kabeel, Karthick Alagar, Muthu Manokar Athikesavan, Ravishankar Sathyamurthy	Phosphate bags as energy storage materials for enhancement of solar still performance	<i>Environmental Science and Pollution Research, Volume 28</i>	2020	<a href="https://link.springer.com/article/10.1007/s11356-020-12018-x">https://link.springer.com/article/10.1007/s11356-020-12018-x</a>	SDG - 7	Yes

30	Mech	Journal	Vignesh Kumar Ramalingam, Alagar Karthick, Manoj Praveen Vijayan Jeyalakshmi, Arul Marcel Moshi Antony Joseph Decruz, Athikesavan Muthu Manokar, Ravishankar	Enhancing the fresh water produced from inclined cover stepped absorber solar still using wick and energy storage materials	<i>Environmental Science and Pollution Research</i>	2020	DOI:10.1007/s11356-020-12030-1	SDG - 7	Yes
31	Mech	Journal	Mohammed El Hadi Attia, Zied Driss, Abd Elnaby Kabeel, Asif Afzal, Muthu Manokar, A, Ravishankar Sathyamurthy	Phosphate bed as energy storage materials for augmentation of conventional solar still productivity	<i>Environmental Progress &amp; Sustainable Energy</i>	2020	DOI:10.1002/eip.13581	SDG - 7	Yes
32	Mech	Journal	Ravishankar Sathyamurthy, Kabeel, A.E., Ali Chamkha, Alargar Karthick, Muthu Manokar, A, Sumithra. M.G	Experimental Investigation on cooling the photovoltaic panel using hybrid nanofluids	<i>Applied Nanoscience</i>	2020	<a href="https://link.springer.com/article/10.1007/s13204-020-01598-2">https://link.springer.com/article/10.1007/s13204-020-01598-2</a>	SDG - 7	Yes
33	Mech	Journal	Ali J. Chamkha, Dsilva winfred Rufuss, D, Kabeel, A.E., Ravishankar Sathyamurthy, Mohammed Abdelgaid, Muthu Manokar, A, Madhu. B	Augmenting the potable water produced from single slope solar still using CNT-doped paraffin wax as energy storage: an experimental	<i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i>	2020	<a href="https://link.springer.com/article/10.1007/s4030-020-02703">https://link.springer.com/article/10.1007/s4030-020-02703</a>	SDG - 7	Yes
34	Mech	Journal	Essa, F.A., Omara, Z.M., Abdullah, A.S., Shanmugan, S, Hitesh Panchal, Kabeel, A.E., Ravishankar Sathyamurthy, Wissam H. Alawee, Muthu Manokar. A. Ammar H.	Wall Suspended Trays inside stepped distiller with Al <sub>2</sub> O <sub>3</sub> / Paraffin Wax mixture and Vapour Suction: Experimental Investigation	<i>Journal of Energy Storage</i>	2020	DOI:10.1016/j.est.2020.102008	SDG - 7	Yes



35	Mech	Journal	Kabeel, A. E., MuthuManokar, A., Sathyamurthy, R., Prince Winston, D., El-Agouz, S. A., & Chamkha, A. J	A review on different design modifications employed in inclined solar still for enhancing the productivity	<i>Journal of Solar Energy Engineering</i>	2020	DOI:10.1115/1.4041547	SDG - 7	Yes	
36	Mech	Journal	Kabeel, A.E., Ravishankar Sathyamurthy, Swellam W. Sharshir, Muthumanokar, A, Hitesh Panchal, Prakash, N, Prasad, C, Nandakumar, S, El Kady, M.S	Effet of water depth on a novel absorber plate of pyramid solar still coated with TiO2 nano black paint	<i>Journal of Cleaner Production</i>	2020	DOI:10.1016/j.jclepro.2018.12.185	SDG - 7	Yes	
37	ECE	Journal	MarekDvorsky, Harihara Ganesh, SadhishPrabhu	Design and Validation of a Novel Structure Antipodal Vivaldi Antenna	Hindawi International Journal of Antennas and Propagation	2019	<a href="https://www.hindawi.com/journals/ijap/2019/7472186/">https://www.hindawi.com/journals/ijap/2019/7472186/</a>	SDG4, SDG9	Yes	
38	ECE	Journal	Walter D. Leon-Salas, Xiaozhe Fan, Yizhou Zhang1 and SindhubalaKadirvelu	Wireless Optical Communications with GaAs Solar Cells	Frontiers in Optics 2019	2019	<a href="https://www.osapublishing.org/abstract.cfm?uri=FiO-2019-JTu4A.83">https://www.osapublishing.org/abstract.cfm?uri=FiO-2019-JTu4A.83</a>	SDG4, SDG9, SDG10	Yes	
39	CA	Journal	Shams Tabrez Siddiqui, Md Oqail Ahmad, Mohammad Shuaib, S Gulzar Ahmed Rizvi	Cloud Based Requirements Management Tools Should Be Selected on the Basis of Project Requirements	IJCSE, vol.8 , Issue.10 , pp.83-88. DOI: <a href="https://doi.org/10.26438/ijcse/v8i10.8388">https://doi.org/10.26438/ijcse/v8i10.8388</a> .	2020	<a href="https://www.ijcseonline.org/paper_view.php?paper_id=5236&amp;16-IJCSE-08361.pdf">https://www.ijcseonline.org/paper_view.php?paper_id=5236&amp;16-IJCSE-08361.pdf</a>	SDG 9	Yes	

40	Auto	Journal	Syed, Zeenath Fathima, <b>T. R. Tamilarasan</b> , S. Rasool Mohideen, Milon Selvam Dennison	Mechanical properties and surface characterisation of aluminium foam made of Al 6101 subjected to cryogenic treatment-	International Journal of Materials Engineering Innovation (11(3), pp. 244-263, Inderscience	2020	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJMAT.EI.2020.108884">https://www.inderscienceonline.com/doi/abs/10.1504/IJMAT.EI.2020.108884</a>	9	Yes
41	Auto	Journal	J. Sudagar, R. Muraliraja, <b>T.R. Tamilarasan</b> , U. Sanjith	Electroless Composite Coatings chapter in Electroless Nickel Plating: Fundamentals to Applications Book	CRC Press (Taylor & Francis)	2019	<a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9780429466274-9/electroless-composite-coatings-">https://www.taylorfrancis.com/chapters/edit/10.1201/9780429466274-9/electroless-composite-coatings-</a>	9	Yes
42	Auto	Journal	<b>C Dineshkumar</b>	Health monitoring system for Automobile vehicles to enhance safety”	International journal of Vehicle structure and systems. Volume 10, Issue 6,	2019	<a href="https://www.researchgate.net/publication/331495980_Health_Monitoring_System_for_Automobile_Vehicles_to_Enhance">https://www.researchgate.net/publication/331495980_Health_Monitoring_System_for_Automobile_Vehicles_to_Enhance</a>	SDG 9	Yes
43	Auto	Journal	<b>C Dineshkumar</b>	Security and Privacy Preserving for Patient’s E-Health Care Applications	Test Engineering and management system, Volume 82, Page No.1781-			SDG 9	Yes
44	Auto	Journal	<b>C Dineshkumar</b>	On board Driver Monitoring System with Safety Enhanced Brake System	International Journal of Engineering and Advanced Technology, ISSN: 2249 – 8958.	2019	<a href="https://www.testmagazine.biz/index.php/testmagazine/issue/view/7">https://www.testmagazine.biz/index.php/testmagazine/issue/view/7</a>	SDG 9	Yes

45	Auto	Journal	<b>C Dineshkumar</b>	Generation of Electrical Energy for Charging Of a Battery by Using Exhaust Gas Energy	International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-	2019	<a href="https://www.ijite.org/wp-content/uploads/papers/v8i10/J93770881019.pdf">https://www.ijite.org/wp-content/uploads/papers/v8i10/J93770881019.pdf</a>	SDG 9	Yes
46	Auto	Journal	<b>C Dineshkumar</b>	Automatic Emergency Braking System using Hydraulic Actuator for Preventing Road Accidents	International Journal of Engineering and Advanced Technology, ISSN: 2249 – 8958.	2019	<a href="https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8731088619.pdf">https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8731088619.pdf</a>	SDG 9	Yes
47	Auto	Journal	<b>C.K. Arvinda Pandian</b>	Dynamic and vibrational characterization of natural fabrics incorporated hybrid composites using industrial waste silica fumes”	International Journal of Polymer Analysis and Characterization, Vol. 24 (8), pp. 721–730.	2019	<a href="https://www.tandfonline.com/doi/abs/10.1080/1023666X.2019.1668141?journalCode=gpac20">https://www.tandfonline.com/doi/abs/10.1080/1023666X.2019.1668141?journalCode=gpac20</a>	SDG 9	Yes
48	Auto	Journal	<b>C.K. Arvinda Pandian</b>	Development and Investigation of Jute/Linen fibre Reinforced polymer composite”, SAE Technical Paper,	SAE Technical Paper, 2019-28-0171, 2019, Publisher: SAE International – (Scopus).	2019	<a href="https://www.sae.org/publications/technical-papers/content/2019-28-0171/">https://www.sae.org/publications/technical-papers/content/2019-28-0171/</a>	SDG 9	Yes
49	CA	Journal	Shams Tabrez Siddiqui, Md Oqail Ahmad, Mohammad Shuaib, S Gulzar Ahmed Rizvi	Cloud Based Requirements Management Tools Should Be Selected on the Basis of Project Requirements	IJCSE, vol.8 , Issue.10 , pp.83-88. DOI: <a href="https://doi.org/10.26438/ijcse/v8i10.8388">https://doi.org/10.26438/ijcse/v8i10.8388</a> .	2020	<a href="https://www.ijcseonline.org/pdf_paper_view.php?paper_id=5236&amp;16-IJCSE-08361.pdf">https://www.ijcseonline.org/pdf_paper_view.php?paper_id=5236&amp;16-IJCSE-08361.pdf</a>	SDG 9	Yes

50	SLS	Journal	Showkat Ahmad Lonea, Sathya Raghunathana, MubarakAli Davoodbasha, Hemalatha Srinivasana, Sang-Yul Leeb	An investigation on the sterilization of berry fruit using ozone: An option to preservation and long term storage	Biocatalysis and Agricultural Biotechnology	2019	<a href="https://doi.org/10.1016/j.bcab.2019.101212">https://doi.org/10.1016/j.bcab.2019.101212</a>	SDG2	Yes
51	SLS	Journal	Sneha U, Karthikeyan Ramalingam	Bactericidal activity of ayurvedic formulation against cariogenic microorganisms	Biocatalysis and Agricultural Biotechnology	2019	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1878818118306741?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S1878818118306741?via%3Dihub</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	yes
52	SLS	Journal	MohdHashim Khan, KarthikeyanRamalingam	Synthesis of antimicrobial nanoemulsions and its effectuality for the treatment of multi-drug resistant ESKAPE pathogens	Biocatalysis and Agricultural Biotechnology	2019	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1878818118309411">https://www.sciencedirect.com/science/article/abs/pii/S1878818118309411</a>	SDG3: Good Health and Well Being	yes
53	SLS	Journal	Saravanan Sankaran, Karthikeyan Ramalingam	Microbiologically Induced Corrosion Behavior of Citrobacter Freundii, Isolated from Corroded Water Pipeline and its THPS Inhibition	Asian Journal of Microbiology, Biotechnology and Environmental Science	2019	<a href="http://www.envirobiotechjournals.com/article_abstract.php?aid=9944&amp;iid=282&amp;jid=1">http://www.envirobiotechjournals.com/article_abstract.php?aid=9944&amp;iid=282&amp;jid=1</a>	SDG3: Good Health and Well Being	yes
54	SLS	Journal	Karthikeyan Ramalingam, Valerie A. Lee	Synergistic Effects of Nanoemulsion and Deferiprone (1, 2 Dimethyl-3-Hydroxypyrid- 4-One) on Multi-Drug Resistant Acinetobacter	Nano Biomedicine and Engineering	2019	<a href="http://www.nano-be.org/Data/VIEW/607">http://www.nano-be.org/Data/VIEW/607</a>	SDG3: Good Health and Well Being	yes

55	SLS	Journal	Karthikeyan Ramalingam, Valerie A. Lee	Biotic and abiotic substrates in enhancing the Acinetobacter baumannii biofilm formation: New approach with extra cellular matrix and slanting glass	The Journal of General and Applied Microbiology	2019	<a href="https://www.jstage.jst.go.jp/article/jgam/65/2/65_2018.05.004/article/-char/en">https://www.jstage.jst.go.jp/article/jgam/65/2/65_2018.05.004/article/-char/en</a>	SDG3: Good Health and Well Being	Yes
56	SLS	Journal	Aashique M, Roy A, Diamond A, Bera S	Subcellular compartmentalization of glutathione peroxidase 1 allelic isoforms differentially impact parameters of energy metabolism	Journal of Cellular Biochemistry	2019	<a href="https://pubmed.ncbi.nlm.nih.gov/30394058/">https://pubmed.ncbi.nlm.nih.gov/30394058/</a>	SDG 3 Good Health and well being	Yes
57	SLS	Journal	Mohamed Adil AA, Anil Kumar Bommanabonia, Anandraj Vaithy, Sateesh Kumar, Mohammad Waseem, Shazia Jamal, Neesar Ahmed	Differential expression of Helios, Neuropilin-1 and FoxP3 in head and neck squamous cell carcinoma (HNSCC) patients	3 Biotech	2019	<a href="https://link.springer.com/article/10.1007%2Fs13205-019-1707-7">https://link.springer.com/article/10.1007%2Fs13205-019-1707-7</a>	SDG3	yes
58	SLS	Journal	Saravanakumar, K., Sabarathinam, S., NipunBabu, V., MubarakAli, D, Kathiresane, K and M-H. Wang.	Biosynthesis and characterization of copper oxide nanoparticles from indigenous fungi and its effect on photothermolysis of human lung	Journal of Photochemistry and Photobiology B: Biology	2019	<a href="https://doi.org/10.1016/j.jphoto.2018.11.017">https://doi.org/10.1016/j.jphoto.2018.11.017</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
59	SLS	Journal	Saravanakumar, K., Ramachandran, C., MubarakAli, D, D-H, Oh, Kathiresan, K and M-H Wang	Unveiling the potentials of biocompatible silver nanoparticles on human lung carcinoma A549 cells and Helicobacter pylori	Scientific Reports	2019	<a href="https://doi.org/10.1038/s41598-019-42112-1">https://doi.org/10.1038/s41598-019-42112-1</a>	SDG7	Yes

60	SLS	Journal	MubarakAli D, Jihae Park, Taejun Han, Sang-Yul Lee and K.Jung-Wan	Solution plasma process: an option to degrade bisphenolA in liquid-phase to non-toxic products	Journal of Molecular Liquids	2019	<a href="https://www.semanticscholar.org/paper/Solution-plasma-process%3A-An-option-to-degrade-A-in-MubarakAli-">https://www.semanticscholar.org/paper/Solution-plasma-process%3A-An-option-to-degrade-A-in-MubarakAli-</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
61	SLS	Journal	MubarakAli, D*,Manzoor, M.A.P., Sabarinathan, A., Anchana, C., DevasyaRekha, P., Thajuddin, N. and L. Sang-Yul	An investigation antibiofilm and cytotoxic property of MgO nanoparticles	Biocatalysis and Agricultural Biotechnology	2019	<a href="https://doi.org/10.1016/j.bcab.2019.101069">https://doi.org/10.1016/j.bcab.2019.101069</a>	SDG2	Yes
62	SLS	Journal	MubarakAli, D*,Sarvanakumar, K., Akbarsha, M.A., Sang-Yul Lee, and Jung-Wan Kim	Synthesis of Biocompatible Cellulose-Coated Nanoceria with pH-Dependent Antioxidant Property	ACS Applied Bio Materials	2019	<a href="https://doi.org/10.1021/acsabm.8b00647">https://doi.org/10.1021/acsabm.8b00647</a>	SDG7	Yes
63	SLS	Journal	Kandasamy Saravanakumar, Xiaowen Hu, Davoodbasha Mubarak Ali,Myeong-Hyeon Wang	Emerging Strategies in Stimuli-Responsive Nanocarriers as the Drug Delivery System for Enhanced Cancer Therapy	Current Pharmaceutical Design	2019	<a href="https://pubmed.ncbi.nlm.nih.gov/31603055/">https://pubmed.ncbi.nlm.nih.gov/31603055/</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
64	SLS	Journal	M. N. L. Ngo - Mback, E. B. Famewo, D. MubarakAli, P. Eke, N. Thajuddin, A. J. Afolayan,P. M. Jazet Dongmo, F. Fekam Boyom	An investigation of chemical composition and antimicrobial activity of essential oils extracted from Aeollanthus and Plectranthus species	Biocatalysis and Agricultural Biotechnology	2019	<a href="https://doi.org/10.1016/j.bcab.2019.101412">https://doi.org/10.1016/j.bcab.2019.101412</a>	SDG2	Yes

65	SLS	Journal	Jeya Shree T, Poompavai S, Mahaboob Begum SMF, Gowri Sree V, Hemalatha S, Sieni E and Sundararajan R	Cancer-Fighting Phytochemicals: Another Look	Journal of Nanomedicine & Biotherapeutic Discovery	2019	<a href="https://www.londondom.org/open-access/cancer-fighting-phytochemicals-another-look-2155-983X-1000162.pdf">https://www.londondom.org/open-access/cancer-fighting-phytochemicals-another-look-2155-983X-1000162.pdf</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
66	SLS	Journal	Mohamed Adil, Shabnam Ameenudeen, Ashok Kumar, S Hemalatha, Neesar Ahmed, Nemat Ali, Abdullah F AlAsmari, Mohammad Aashique, Mohammad Waseem.	Emerging Role of Mitophagy in Inflammatory Diseases: Cellular and Molecular Episodes	Current Pharmaceutical Design	2020	<a href="https://pubmed.ncbi.nlm.nih.gov/31914907/">https://pubmed.ncbi.nlm.nih.gov/31914907/</a>	SDG 3 Good Health and well being	Yes
67	SLS	Journal	Lakshya M, Ignacio G. C, Gowri Sree V, Hemalatha S, Uma K.A Raji S.	High-throughput, Label-Free Quantitative Proteomic Studies of the Anticancer effects of Electrical Pulses with Turmeric Silver Nanoparticles:	Sci Rep	2020	<a href="https://www.nature.com/articles/s41598-020-64128-8">https://www.nature.com/articles/s41598-020-64128-8</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
68	SLS	Journal	Mohebbali N, Anandasadagopan S, Mustafa MR, Alagumuthu T, Pandurangan AK	Vernodalindin induces Apoptosis through the activation of ROS/JNK pathway in human Colon cancer cells	Journal of Biochemical and Molecular Toxicology	2020	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/jbt.22587">https://onlinelibrary.wiley.com/doi/full/10.1002/jbt.22587</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
69	SLS	Journal	Gopinath, V., MubarakAli, D., Jamuna V., Manjunath K., Asad S., Abdullah M. E.	Synthesis of biocompatible chitosan decorated silver nanoparticles biocomposites for enhanced antimicrobial and anticancer property	Process Biochemistry	2020	<a href="https://doi.org/10.1016/j.procbio.2020.09.011">https://doi.org/10.1016/j.procbio.2020.09.011</a>	SDG7	Yes

70	SLS	Journal	L. Mittal, Ranjani. S, Shariq Ahmed. M, Jeya Shree T, Tahira A, Poompavai S, IG Camarillo, GowriSree V, Raji S and S. Hemalatha	Turmeric-Silver-Nanoparticles for Effective Treatment of Breast Cancer and to break CTX-M-15 mediated Antibiotic Resistance in <i>Escherichia coli</i>	Inorganic and Nano-Metal Chemistry	2020	<a href="https://www.tandfonline.com/doi/abs/10.1080/24701556.2020.1812644">https://www.tandfonline.com/doi/abs/10.1080/24701556.2020.1812644</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
71	SLS	Journal	Sana Qausain, Faez Iqbal Khan, Dakun Lai, Md. Imtaiyaz Hassan, Mohd Basheeruddin, Neesar Ahmed, Md. Khurshid Alam Khan.	Mechanistic insights into the urea-induced denaturation of a non-seleno thiol specific antioxidant human peroxiredoxin	International Journal of Biological Macromolecules	2020	<a href="https://pubmed.ncbi.nlm.nih.gov/32485253/">https://pubmed.ncbi.nlm.nih.gov/32485253/</a>	SDG 3 Good Health and well being	Yes
72	SLS	Journal	Subhamoy Banerjee, Jaison Jeevanandam and Rajkumar Paul	Challenges and Opportunities to develop Diagnostics and Therapeutic Interventions for Severe Acute Respiratory Syndrome- Corona	Journal of Biomedical Research & Environmental Sciences	2020	<a href="https://www.jelsciences.com/articles/jbres1147.php">https://www.jelsciences.com/articles/jbres1147.php</a>	SDG3-Good health and well being	Yes
73	SLS	Journal	Vahid Alimardani, Samira Sadat Abolmaali, Ali Mohammad Tamaddon & Mohammad Ashfaq	Recent advances on microneedle arrays-mediated technology in cancer diagnosis and therapy	<i>Drug Delivery and Translational Research</i>	2020	<a href="https://pubmed.ncbi.nlm.nih.gov/32740799/">https://pubmed.ncbi.nlm.nih.gov/32740799/</a>	SDG 3 Good Health and well being, SDG 15 Life on Land	Yes
74	SLS	Journal	Saravanakumar, K., Sriram B., Sathiyaseelan A., Xiaowen H., Mariadoss A, D. MubarakAli, M-H Wang	Molecular identification, volatile metabolites profiling, and bioactivities of indigenous endophytic fungus, <i>Diaporthe</i> sp	<i>Process Biochemistry</i>	2020	<a href="http://doi.org/10.1016/j.procbi.2020.12.002">http://doi.org/10.1016/j.procbi.2020.12.002</a>	SDG7	Yes



75	SLS	Journal	Moheballi N, Pandurangan AK, Mustafa MR, Anandasadagopan SK, Alagumuthu T.	Vernodalinduces apoptosis through the activation of ROS/JNK pathway in human colon cancer cells.	<i>Journal of Biochemical and Molecular Toxicology</i>	2020	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/jbt.22587">https://onlinelibrary.wiley.com/doi/abs/10.1002/jbt.22587</a>	SG 3 Good Health and well being & SDG 15 Life on Land	Yes
76	EIE	Journal	D Najumnissa Jamal,	A Low Power and High Performance Hardware Design for Automatic Epilepsy Seizure Detection	INTL Journal Of Electronics and Telecommunications,	2019	<a href="http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-419c22b5-44fa-4813-9379-6629b2eb8f9d/">http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-419c22b5-44fa-4813-9379-6629b2eb8f9d/</a>	SDG3	Yes
77	Mech	Conference	A. Muthu Manokar*, M.Vimala, D. Prince Winston, Rajendran D.R, Ravishankar Sathyamurthy, A.E. Kabeel	Energy exergy and economic analysis of a conventional solar still and peltier modul integrated conventional solar still - A comparative study	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes
78	Mech	Conference	M.Vimala, Mohamed Thalib M, A. Muthu Manokar*, Ravishankar Sathyamurthy, A.E. Kabeel, D. Prince Winston	Experimental Invistigation of Passive and Active Inclined Solar Still: Energy and Excergy Study	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019	<a href="https://doi.org/10.21203/rs.3.rs-451870/v1">DOI:10.21203/rs-451870/v1</a>	SDG-7	Yes
79	Mech	Conference	A. Muthu Manokar*, A.E. Kabeel, Ravishankar Sathyamurthy, Abderrahmane, D. Prince Winston	Energy exergy of an inclined solar panel basin solar still - Summer and winter climate conditions..	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes

80	Mech	Conference	Rajendran D.R, A. Muthu Manokar, A.E. Kabeel, S.A. El-Agouz, Ravishankar Sathyamurthy*,	Comparitive study of Conventional Solar Still with and without Cement coated Red brick	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes
81	Mech	Conference	D.R.Rajendran*, E. Ganapathy Sundaram, P. Jawahar, A.E.Kabeel, A. Muthumanokar , Ravishankar Sathyamurthy, V. Sivakumar,	CFD studies on multi cavity solar receiver with two heat transfer fluids	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes
82	Mech	Conference	B. Gurukarthik Babu*, D. Prince Winston, J.Vinod, A.E. Kabeel, A. Muthu Manokar, Ravishankar Sathyamurthy	Experimental analysis on the performance of passive solar still by using thermally insulating nano-blended unsaturated polyester composite	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes
83	Mech	Conference	Gurukarthik Babu*, D. Prince Winston, P.V. Aravind Bhaskar, A.E. Kabeel, A. Muthu Manokar, Ravishankar Sathyamurthy	Enhancement of a PV/T integrated single slope solar still productivity by using water film over glass cover and hybrid natural fibre composite insulation	5 <sup>th</sup> International conference on scientific research ISR-2019 renewable energy &	2019		SDG-7	Yes
84	Mech	Conference	Abderrahmane Khechekhouche, Rajendran D.R, A. Muthu Manokar, Kritika Gupta	Application of Solar energy on excess in agriculture production,	International Conference in Advances in Mechanical Engineering (2019).	2019		SDG-7	Yes

85	Mech	Conference	V Muthu, A Muthu manokar, R Sathyamurthy , A E Kabeel, Prince D Winston	Experimental investigation of passive and active inclined solar still: Energy and Exergy study	International Conference on Renewable Energy and Water Sustainability .26-29	2019	DOI:10.21203/rs.3.rs-451870/v1	SDG-7	Yes
86	Mech	Conference	Mohamed Thalib M, M.Vimala, A. Muthu Manokar*, Ravishankar Sathyamurthy, A.E. Kabeel, D. Prince Winston	Energy and Exergy analysis of a inclined solar panel absorber solar still integrated with spiral tube solar water heater- Experimental study	11th International Exergy, Energy and Environment Symposium (IEES-11), Department	2019			Yes
87	Mech	Conference	A. Muthu Manokar*, A.E. Kabeel, Ravishankar Sathyamurthy, D. Prince Winston,	Energy and Exergy analysis of a solar still with photo voltaic modules-AC heater	22nd International water technology conference, International Water Technology	2019	<a href="http://iwtc2019.website2.me/iwtc-2019">http://iwtc2019.website2.me/iwtc-2019</a>	SDG-7	Yes
88	Mech	Conference	F.A. Essa*, A. MuthuManokar, Z.M. Omara, A.E. Kabeel	Modified stepped solar still with enhanced evaporation technique, .	22nd International water technology conference, International Water Technology	2019	<a href="http://iwtc2019.website2.me/iwtc-2019">http://iwtc2019.website2.me/iwtc-2019</a>	SDG-7	Yes
89	Mech	Conference	B. Gurukarthik Babu*, D. Prince Winston, R.Vignesh, A.Mohamed Nasrulla, A.E. Kabeel, Ravishankar Sathyamurthy, A. Muthu Manokar	Modeling of V type slope with ansys and CFD simulation, .	22nd International water technology conference, International Water Technology	2019	<a href="http://iwtc2019.website2.me/iwtc-2019">http://iwtc2019.website2.me/iwtc-2019</a>	SDG-7	Yes

90	Mech	Conference	V.Sivakumar, R.Arun Kumar*, E.Ganapathy Sundaram, D.Rajendran, A.Kabeel, A.Muthu manokar, R.Sathyamurthy	Performance enhancement of single slope solar still with heat pipes, .	22nd International water technology conference, International Water Technology	2019		SDG-7	Yes
91	Mech	Conference	D.Prince Winston*, A.E. Kabeel, M.Pravin, A.G.Akash, Ravishankar Sathyamurthy, A. Muthu Manokar	Analysis of Blower fan effect on the hybrid PV/T	22nd International water technology conference, International Water Technology	2019	<a href="http://iwtc2019.website2.me/iwtc-2019">http://iwtc2019.website2.me/iwtc-2019</a>	SDG-7	Yes
92	Mech	Conference	Abderrahmane Khechekhouche*, Boubaker Benhaoua, Zied Driss, Mokhtar Ghodbane, A. Muthu Manokar	Energy balance in solar distillation,	National symposium on green énergies NS6E19 \EI Oued June 2019	2019		SDG-7	Yes
93	Mech	Conference	A Khechekhouche, Mohammed El Hadi Attia, Ali Boukhari, Muthu Manokar, Z Driss, Boubaker Ben Haoua, Mokhtar Ghodbane	Effect of cover thickness on the yield of a solar distiller under the EI oued climate	International Symposium on Technology & Sustainable Industry Development	2019		SDG-7	Yes
94	Mech	Conference	Jamesha Ibrahim K*, Varunkumar R, A. Muthu Manokar, Abderrahmane Khechekhouche	Experimental evaluation of Indirect Solar Cooking Unit Integrated with Thermal System	International Symposium on Technology & Sustainable Industry Development	2019	DOI:10.1016/j.est.2020.101949	SDG-7	Yes

95	Mech	Conference	Muthu Manokar, A, Kabeel A.E., Ravishankar Sathyamurthy, Mageshbabu D, Madhu B, Anand P, Parandhaman Balakrishnan,	Effect of mass flow rate on fresh water improvement from inclined PV panel basin solar stil	Materials Today Proceedings	2020	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320307847">https://www.sciencedirect.com/science/article/pii/S2214785320307847</a>	SDG -7	Yes
96	EEE	Conference	Richa, Abdul R Beig, Khaled Al Jaafari, R. Jayashree	Operation of MMC Based HVDC Under SM Failure at Sending End Converter		2019	ISSN 978-1-7281-0395-2/19	7,12	Yes
97	EEE	Conference	Richa, Abdul R Beig, Apparao Dekka, R. Jayashree	Operation of MMC Based Unipolar HVDC Under SM Failure	IEEE Energy Conversion Congress and Exposition (ECCE 2019) Conference held in	2019	ISSN 978-1-7281-4878-6/19	7,12	Yes
98	EEE	Conference	Richa, Abdul R Beig, R. Jayashree, Mohd Tariq	Modular Multilevel Converter Based HVDC System Using PD PWM Algorithm	9th IEEE International Conference on Power and Energy Systems (ICPES 2019), Perth	2019		7,12	Yes
99	CA	Conference	A.K. Reshmy, Sudha Rajesh, P. Amudhavalli and C. Narmatha	A Learning Based Factorization Approach for Uniform Distribution of Data in M2M Communication	International Conference on Computing and Information Technology (ICCI-	2020	<a href="https://ieeexplore.ieee.org/document/9213724">https://ieeexplore.ieee.org/document/9213724</a>	SDG 9	Yes

100	Auto	Conference	<b>C Dineshkumar</b>	Active safety enhanced braking system with driver condition monitoring for passenger vehicles	International Conference on Recent Trends in Mechanical and Materials Engineering.	2019	<a href="https://aip.scitation.org/doi/10.1063/5.0029214">https://aip.scitation.org/doi/10.1063/5.0029214</a>	SDG 9	yes
101	Auto	Conference	<b>C Dineshkumar</b>	Characteristics Assessment On Riveted, Bonded And Hybrid Joints Using Gfrp composites”,	International Conference on Recent Advances in Design, Materials and Manufacturing		<a href="https://www.researchgate.net/publication/351725564_Characteristics_assessment_on_riveted_bonded_and_hybrid_joi">https://www.researchgate.net/publication/351725564_Characteristics_assessment_on_riveted_bonded_and_hybrid_joi</a>	SDG 9	yes
102	Auto	Conference	<b>C Dineshkumar</b>	Analysis of thermal, dynamic and mechanical properties of hybrid alovera/hemp FRE bio-composites	International Conference on Materials Engineering and Characterization	2019	<a href="https://www.sciencedirect.com/science/article/pii/S2214785319339161">https://www.sciencedirect.com/science/article/pii/S2214785319339161</a>	SDG 9	yes
103	Auto	Conference	<b>C.K. Arvinda Pandian</b>	Active safety enhanced braking system with driver condition monitoring for passenger vehicles	International Conference on Recent Trends in Mechanical and Materials Engineering.	2019	<a href="https://aip.scitation.org/doi/10.1063/5.0029214">https://aip.scitation.org/doi/10.1063/5.0029214</a>	SDG 9	yes
104	CA	Conference	A.K. Reshmy, Sudha Rajesh, P. Amudhavalli and C. Narmatha	A Learning Based Factorization Approach for Uniform Distribution of Data in M2M Communication	International Conference on Computing and Information Technology (ICCI-	2020	<a href="https://ieeexplore.ieee.org/document/9213724">https://ieeexplore.ieee.org/document/9213724</a>	SDG 9	Yes

105	EIE	Conference	Najumnissa Jamal D	Convolutional Neural Network Approach for Estimating Physiological States Involving Face Analytics	IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS)	2019	<a href="https://ieeexplore.ieee.org/document/8825048">https://ieeexplore.ieee.org/document/8825048</a>	SDG3	YES
106	Physics	Journal	Lokanatha Reddy P., Deshmukh K., Chidambaram K., <b>Ahamed B.</b> , Sadasivuni K.K., Ponnamma D., Lakshmipathy R.,	Effect of poly ethylene glycol (PEG) on structural, thermal and photoluminescence properties of CdO nanoparticles for	Materials Today: Proceedings, Vol. 9, pp.175-183.	2019	<a href="https://www.sciencedirect.com/science/article/pii/S2214785319302135">https://www.sciencedirect.com/science/article/pii/S2214785319302135</a>	<b>SDG 7</b>	YES
107	Physics	Journal	Mohanapriya M.K., Deshmukh K., Sadasivuni K.K., Thangamani G., Chidambaram K., <b>Basheer Ahamed M.</b> , Khadheer Pasha S.K.	Enhanced quality factor of polyvinyl formal (PVF) based nanocomposites filled with zinc oxide and carbon black nanoparticles for	Materials Today: Proceedings, Vol. 9, pp.199-216.	2019	<a href="https://www.sciencedirect.com/science/article/pii/S2214785319302160">https://www.sciencedirect.com/science/article/pii/S2214785319302160</a>	<b>SDG 7</b>	Yes
108	Physics	Journal	Ahmad, Jamil; Rehman, Wajahat Ur; Deshmukh, Kalim; Basha, Shaik Khadheer; <b>Ahamed, Basheer;</b> Chidambaram,	Recent Advances in Poly (Amide-B-Ethylene) Based Membranes for Carbon Dioxide (CO <sub>2</sub> ) Capture,	Polymer-Plastics Technology And Materials, Vol. 58, no. 4, pp 366-	2019	<a href="https://www.tandfonline.com/doi/abs/10.1080/03602559.2018.1482921?journalCode=Inte21">https://www.tandfonline.com/doi/abs/10.1080/03602559.2018.1482921?journalCode=Inte21</a>	<b>SDG 7</b>	Yes
109	Physics	Journal	S. K. Kadheer Pasha., Deepalekshmi Ponnamma., Hemalatha Parangusan., Kalim Deshmukh., Pradip Kar., Aqib Muzaffar.,	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review,	Polymer Plastics Technology And Materials, Vol. 59, pp.1-62	2019	<a href="https://www.tandfonline.com/doi/abs/10.1080/25740881.2019.1614327?journalCode=Inte21">https://www.tandfonline.com/doi/abs/10.1080/25740881.2019.1614327?journalCode=Inte21</a>	<b>SDG 7</b>	Yes

110	Physics	Journal	Rajendra S. Dongre., Kishor Kumar Sadasivuni., <b>Kalim Deshmukh.</b> , Akansha Mehta., Soumen Basu., Jostna S. Meshram., Mariam Al	"Natural polymer based composite membranes for water purification: a review",	Journal Polymer-Plastics Technology and Materials, Vol. 58, pp. 1-	2019	<a href="https://www.tandfonline.com/doi/abs/10.1080/25740881.2018.1563116?journalCode=Inte21">https://www.tandfonline.com/doi/abs/10.1080/25740881.2018.1563116?journalCode=Inte21</a>	<b>SDG 6</b>	Yes
111	Physics	Journal	Muzaffar A., <b>Basheer Ahamed M.</b> , Deshmukh K. (2019),	Hydrothermal synthesis of ZnWO <sub>4</sub> MnO <sub>2</sub> nanopowder doped with carbon black nanoparticles for high-performance	Journal of Materials Science: Materials in Electronics, Vol. 30, no. 24, pp. 21250-	2019	<a href="https://link.springer.com/article/10.1007/s10854-019-02498-0">https://link.springer.com/article/10.1007/s10854-019-02498-0</a>	<b>SDG 7</b>	Yes
112	Physics	Journal	G. vijayaraghavan., M K Yaakob., M K Ahmad., M Rusop., M H Mamat., N Parimon., A S Ismail., <b>I. B. Shameem Banu., S. Sathik basha.</b> ,	A B Suriani (2019), "Structural, optical, and electrical evolution of sol-gel-immersion grown nickel oxide nanosheet array	Journal of Materials Science: Materials in Electronics, Vol. 30, pp. 9916–9930	2019	<a href="https://www.springerprofessional.de/en/structural-optical-and-electrical-evolution-of-sol-gel-">https://www.springerprofessional.de/en/structural-optical-and-electrical-evolution-of-sol-gel-</a>	<b>SDG 7</b>	Yes
113	Physics	Journal	P. Lokanatha Reddy., <b>Kalim Deshmukh.</b> , K. Chidambaram., Mohammad M. Nazeer Ali., Kishor Kumar Sadasivuni., Y. Ravi Kumar., R.	Dielectric properties of polyvinyl alcohol (PVA) nanocomposites filled with green synthesized zinc sulphide (ZnS)	Journal of Materials Science: Materials in Electronics, Vol. 30, no. 5, pp. 4676-	2019	<a href="https://link.springer.com/article/10.1007/s10854-019-00761-y">https://link.springer.com/article/10.1007/s10854-019-00761-y</a>	<b>SDG 7</b>	Yes
114	Physics	Journal	Abdullah M.A.R., Mamat M.H., Ismail A.S., Malek M.F., Suriani A.B., Ahmad M.K., <b>Shameem Banu I.B., Amiruddin R., Rusop M.</b> (2019),	Direct and seedless growth of Nickel Oxide nanosheet architectures on ITO using a novel solution immersion method	Materials Letters, Vol. 236, pp.460-464	2019	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X18317439">https://www.sciencedirect.com/science/article/abs/pii/S0167577X18317439</a>	<b>SDG 7</b>	Yes



115	Physics	Journal	Ponnamma D., Cabibihan J.-J., Rajan M., Pethaiah S.S., Deshmukh K., Gogoi J.P., Pasha S.K.K., <b>Ahamed M.B.</b> , Krishnegowda J.,	Synthesis, optimization and applications of ZnO/polymer nanocomposites,	Materials Science and Engineering C, Vol. 98, pp.1210-1240.	2019	<a href="https://www.sciencedirect.com/science/article/pii/S0928493118315856">https://www.sciencedirect.com/science/article/pii/S0928493118315856</a>	<b>SDG 7</b>	Yes
116	Physics	Journal	Yusoff M.M., Mamat M.H., Abdullah M.A.R., Ismail A.S., Malek M.F., Zoolfakar A.S., Al Junid S.A.M., Suriani A.B., Mohamed A., Ahmad	Coupling heterostructure of thickness-controlled nickel oxide nanosheets layer and titanium dioxide nanorod arrays via	Measurement: Journal of the International Measurement	2019	<a href="https://www.semanticscholar.org/paper/Coupling-heterostructure-of-thickness-controlled-">https://www.semanticscholar.org/paper/Coupling-heterostructure-of-thickness-controlled-</a>	<b>SDG 7</b>	Yes
117	Physics	Journal	Ismail A.S., Mamat M.H., <b>Shameem Banu I.B.</b> , Amiruddin R., Malek M.F., Parimon N., Zoolfakar A.S., Md. Sin N.D., Suriani A.B., Ahmad M.K., Rusop	Structural modification of ZnO nanorod array through Fe-doping: Ramification on UV and humidity sensing properties	Nano-Structures and Nano-Objects, Vol. 18, pp 1-10.	2019	<a href="https://www.sciencedirect.com/science/article/pii/S2352507X18305225">https://www.sciencedirect.com/science/article/pii/S2352507X18305225</a>	<b>SDG 7</b>	Yes
118	Physics	Journal	Kalim Deshmukh., <b>M. Basheer Ahamed.</b> , Kishor Kumar Sadasivuni., Prosenjit Saha., Jaideep Adhikari., John Cabibihan (2019),	Recent advances in mechanical properties of biopolymer composites: a review,	Polymer Composites, Vol. 41 , no. , pp.-1-28	2019	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25356">https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25356</a>	<b>SDG 7</b>	Yes
119	Physics	Journal	Aqib Muzaffar., <b>M. Basheer Ahamed.</b> , Kalim Deshmukh, Mohammad Faisal (2019),	Electromagnetic interference shielding properties of polyvinylchloride (PVC), barium titanate (BaTiO <sub>3</sub> ) and nickel oxide	Polymer Testing, Vol. 77, pp.1-7.	2019	<a href="https://www.sciencedirect.com/science/article/pii/S0142941819304404">https://www.sciencedirect.com/science/article/pii/S0142941819304404</a>	<b>SDG 7</b>	Yes

120	Physics	Journal	Muzaffar A., <b>Ahamed M.B.</b> , Deshmukh K., Thirumalai J. (2019),	"A review on recent advances in hybrid supercapacitors: Design, fabrication and applications",	Renewable and Sustainable Energy Reviews, Vol. 101, pp.123-145	2019	<a href="https://www.sciencedirect.com/science/article/pii/S1364032118307299">https://www.sciencedirect.com/science/article/pii/S1364032118307299</a>	<b>SDG 7</b>	Yes
121	Physics	Journal	Parimon N., Mamat M.H., Ismail A.S., <b>Shameem Banu I.B.</b> , Ahmad M.K., Suriani A.B., Rusop M. (2019),	Influence of annealing temperature on the sensitivity of nickel oxide nanosheet films in humidity sensing applications	Indonesian Journal of Electrical Engineering and Computer Science, Vol.	2019	<a href="http://ijeecs.iaescore.com/index.php/IJECS/article/view/21119">http://ijeecs.iaescore.com/index.php/IJECS/article/view/21119</a>	<b>SDG 7</b>	Yes
122	Physics	Journal	Aqib Muzaffar, <b>M. Basheer Ahamed</b> , Kalim Deshmukh and S. K. Khadheer Pasha (2020),	Dielectric properties and electromagnetic interference shielding studies of nickel oxide and tungsten oxide reinforced	Polymer-Plastics Technology and Materials, pp.1-12 (DOI: DOI-	2020	<a href="https://www.tandfonline.com/doi/abs/10.1080/25740881.2020.1759634?journalCode=Inte21">https://www.tandfonline.com/doi/abs/10.1080/25740881.2020.1759634?journalCode=Inte21</a>	<b>SDG 7</b>	Yes
123	Physics	Journal	S. K. Kadheer Pasha., Deepalekshmi Ponnamma., Hemalatha Parangusan., Kalim Deshmukh., Pradip Kar., Aqib Muzaffar., Mariam ALALI ALMaadeed, M.	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review,	Polymer Plastics Technology And Materials, vol. 59, pp.1-62	2020	<a href="https://www.tandfonline.com/doi/full/10.1080/25740881.2019.1614327">https://www.tandfonline.com/doi/full/10.1080/25740881.2019.1614327</a>	<b>SDG 7</b>	Yes
124	Physics	Journal	N. Parimon, M. H. Mamat, <b>I. B. Shameem Banu</b> , N. Vasimalai, M. K. Ahmad, A. B. Suriani, A. Mohamed & M. Rusop (2020),	Fabrication, structural, optical, electrical, and humidity sensing characteristics of hierarchical NiO nanosheet/nanoball-	Journal of Materials Science: Materials in Electronics, Vol. 31, pp.-11673-1168	2020	<a href="https://link.springer.com/article/10.1007%2Fs10854-020-03719-7">https://link.springer.com/article/10.1007%2Fs10854-020-03719-7</a>	<b>SDG 7</b>	Yes

125	Physics	Journal	M. Z. Musa, M. H. Mamat, N. Vasimalai, <b>I. B. S. Banu</b> , M. F. Malek, Mohd Khairul Ahmad, A. B. Suriani, A. Mohamed, M. Rusop (2020),	"Fabrication and structural properties of flower-like TiO <sub>2</sub> nanorod array films grown on glass substrate without ETO layer"	Materials Letters, Vol. 273, pp. 127902.	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X20306078">https://www.sciencedirect.com/science/article/abs/pii/S0167577X20306078</a>	<b>SDG 7</b>	Yes
126	Physics	Journal	Mamat M.H., Parimon N., Ismail A.S., <b>Shameem Banu I.B.</b> , Sathik Basha S., Rani R.A., Zoolfakar A.S., Malek M.F., Suriani A.B., Ahmad M.K.,	Synthesis, structural and optical properties of mesostructured, X-doped NiO (x = Zn, Sn, Fe) nanoflake network films	Materials Research Bulletin, Vol. 127, no. , pp. 110860.	2020	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0025540818338601">https://www.sciencedirect.com/science/article/abs/pii/S0025540818338601</a>	<b>SDG 7</b>	Yes
127	Physics	Journal	M H Mamat., N Gopinathan., S. Sathik basha., <b>I. B. Shameem Banu.</b> , M.Mohamed Sheik Sirajudeen Abdullah (2020),	Solvents driven structural, morphological, optical and dielectric properties of lead free perovskite CH <sub>3</sub> NH <sub>3</sub> SnCl <sub>3</sub> for	Materials Research Express, Vol.6, pp.- 125921.	2020	<a href="https://iopscience.iop.org/article/10.1088/2053-1591/ab6a47">https://iopscience.iop.org/article/10.1088/2053-1591/ab6a47</a>	<b>SDG 7</b>	Yes
128	Physics	Journal	Yusoff M.M., Mamat M.H., Abdullah M.A.R., Ismail A.S., Malek M.F., Zoolfakar A.S., Al Junid S.A.M., Suriani A.B., Mohamed A., Ahmad	Coupling heterostructure of thickness-controlled nickel oxide nanosheets layer and titanium dioxide nanorod arrays via	Measurement: Journal of the International Measurement	2020	<a href="https://ui.adsabs.harvard.edu/abs/2020Measure..14906982Y/abstract">https://ui.adsabs.harvard.edu/abs/2020Measure..14906982Y/abstract</a>	<b>SDG 7</b>	Yes
129	Physics	Journal	Kalim Deshmukh., <b>M. Basheer ahamed.</b> , Kishor Kumar Sadasivuni., Prosenjit Saha., jaideep adhikari., john cabibihan (2020),	Recent advances in mechanical properties of biopolymer composites: a review,	Polymer Composites, (DOI: 10.1002/pc.25356)	2020	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25356">https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25356</a>	<b>SDG 7</b>	Yes

130	Physics	Journal	Mohamad Hafiz Mamat, Norfarariyanti Parimon, Ahmad Sabirin Zoolfakar, Abdul Hadi Abdul Razak, <b>IB Banu</b> , Mohamad Rusop	The Effect of Annealing Temperature on Spin-Coated Zn-doped NiO film for humidity sensing applications	Journal of Electrical & Electronic Systems Research (JEESR) 16 (100-105)	2020	<a href="https://ir.uitm.edu.my/id/epri/nt/42158/">https://ir.uitm.edu.my/id/epri/nt/42158/</a>	<b>SDG 7</b>	Yes
131	Physics	Journal	K Deshmukh, T Kovářik, A Muzaffar, <b>MB Ahamed</b> , SKK Pasha	Mechanical analysis of polymers	Polymer Science and Innovative Applications, 117-152	2020	<a href="https://www.sciencedirect.com/science/article/pii/B9780128168080000044">https://www.sciencedirect.com/science/article/pii/B9780128168080000044</a>	<b>SDG 7</b>	Yes
132	Pharm	Journal	Chong Shi Thian, Haja Na	Neuroprotective effe	Journal of Aff	2021	<a href="https://www.sc">https://www.sc</a>	Mental Health	Yes