

RESEARCH PAPER :

1. **“On the transformation from Newtonian to Lagrangian description with Poisson bracket” Mukesh Kumar and SK Soni**, EUROPHYSICS LETTERS, 68(4), pp. 501-507, 2004. (IF-2.284 SCI Journal)
2. **“A new approach to constants of motion and the Helmholtz conditions”** by Mukesh Kumar, Advances in Physics Theories and Applications, Vol 3(2011),7-9 (IC impact 7.17 p-ISSN 2224-719X)
3. **"On a Non- Variational Viewpoint in Newtonian Mechanics"** by Mukesh Kumar, Advances in Physics Theories and Applications, Vol 4(2012),1-8 (IC impact 7.17 p-ISSN 2224-719X).
4. **"NEW PERSPECTIVE ON CONSERVATION LAWS"** by Mukesh Kumar, International Journal of Advanced Research in Physical Science (JARPS) Vol 1, (2014), 10-15.ISSN:2349-7874.
5. **"PIEZOELECTRICITY: A NEW WAY OF TAMING ENERGY ”** by Mukesh Kumar and Divakar Parashar in “ Physics Education” 2014, Volume 30, Issue 4, Article Number: 6, ISSN:0970-5953
6. **"TAMING WASTE VIA LAWS OF PHYSICS "** by Mukesh Kumar in **International Journal of Sustainable Energy and Environmental Research**, 2014, **3(3): 164-170, 2312-5764.**
7. **"WIND ENERGY GENERATION FROM TRAFFIC MOVEMENT "** by Mukesh Kumar, Krishna Kumar & Rishabh Rana, DU Journal of Undergraduate Research and Innovation Volume 2, Issue 1 pp 116-120, 2016 (ISSN 2395-2334).
8. **"TRAFFIC-DRIVEN WIND ENERGY GENERATOR "** by Mukesh Kumar & Krishna Kumar, Technology Letters, Vol.3 No.1 (2016) 10-13 (ISSN: 2348-8131).
9. **“Role of ICT in Agro Marketing”** by S.S. Jaggi, Mukesh Kumar, Daljit Singh, Subash Khan, in IEEE Conference No. 40353, 2017, 5380-5383.
10. **New Look at Symmetries and Conservation Laws**, Research Review, 2017,2(5),10-13, ISSN No 2455-3085 (IC- SJIF 6.377 UGC-listed-44945)
11. **[“Impact of Electromagnetic Radiations \(EMR\) on Human Health”](#)**, by Mukesh Kumar in International Journal of Innovation Scientific Research and Review, Vol. 2(10), pp 455-458, 2020, ISSN: 2582-6131. (IC- SJIF 6.377 UGC-listed-44945)
12. **“Artificial Intelligence : A tool for COVID-19 Surface Detection”** by Mukesh Kumar, Lokesh Rana in International Journal of Scientific Research in Multidisciplinary Studies, Vol. 6(7), pp 60-63. 2020 , ISSN:2454-6143.
13. **“Flexible Solar Power Tree – A Concept”** by Mukesh Kumar, JP Kesari, Lokesh Rana in International Journal of Engineering Applied Sciences and Technology, Vol. 5(2), pp 217-221,2020, ISSN:2455-2143. IF-4.983
14. **“Plasma Technology as waste to Energy : A Review**, by Mukesh Kumar, S. Kumar, and SK Singh, in International Journal of Advanced Research Vol. 8(12), pp 464-473,2020, ISSN: 2320-5407. SJIF-7.337 Web of Science
15. **“Smart Eye Technology : A Tool for Microorganism**, by Mukesh Kumar, in International Journal Innovation Scientific Research and Review, Vol. 02(10), pp 455-458, 2020, ISSN: 2582-6131. SJIF-4.95

16. **“Plasma Technology : An Ultimate solution for Solid Waste Management**, by Mukesh Kumar and SK Singh in Journal of Waste Management & Xenobiotics, Vol. 4(2), pp 1-6, 2021, **ISSN: 2640-2718**.
17. **“Thermodynamic Analysis of Waste to Wealth Conservation”** by Mukesh Kumar, SK Singh in International Journal of Scientific Research in Multidisciplinary Studies, Vol. 6(7), pp 43-45. 2021 , **ISSN:2454-6143**.
18. **“ Solar Tree – A sustainable Energy Approach for Farmers”** by Mukesh Kumar, Lokesh Rana, Amruta Pattnaik in Journal of University of Shanghai for Science and Technology, Vol. 23(2), pp 410-420. 2021 , **ISSN: 1007-6735. SCOPUS – Cite score 0.2**
19. **"Waste Management by Waste to Energy Initiatives in India** by Mukesh Kumar, S. Kumar and SK Singh in **International Journal of Sustainable Energy and Environmental Research**, 2021, **10(2): 58-68, 2312-5764**.
20. **"Status and Challenges of COVID-19 Waste Management** by Mukesh Kumar, S.K.Singh and R. Khatri in **Turkish Journal of Computer and Mathematics Education**, 2021, **12(6): 5635-5640. Scopus –cite score 0.3**

Accepted Paper :

21. **"Mini Plasma Waste Plant : a Solution to COVID-19 Biomedical Waste** by Mukesh Kumar and SK Singh in **International Journal of Environment and Waste Management. (Submission code – IJEWMM -75191) Scopus –cite score 0.7**