
AUTHOR'S RELEVANT PUBLICATIONS

Journals:

1. **Ram Gopal** and P. K. Jain, "Effect of axial magnetic field tapering on whistler-pumped FEL amplifier in collective Raman regime operation," *International Journal of Engineering & Technology*, vol. 7, no. 4, pp. 2044-2050, 2018.
2. **Ram Gopal** and P. K. Jain, "Design methodology and simulation study of a free electron laser amplifier," *International Journal of Engineering & Technology*, vol. 7, no. 4, pp. 3175-3181, 2018.
3. **Ram Gopal** and P. K. Jain, "Tapering effect of an axial magnetic field on whistler-pumped FEL Amplifier," *Engineering Science and Technology: an International Journal*, vol.8, no.2, pp. 4-10, 2018.
4. **Ram Gopal**, M. Sunder Rajan, Priti Sharma, Abhinav K. Gautam, "Dispersive nature of the FEL amplifiers in the whistler mode," *Soft Computing: Theories and Applications*, Springer, AISC, vol. 1154, pp 869-881, 2020.

Conferences/Workshops/ Symposium:

1. **Ram Gopal**, Dr. Manish Kumar, Dr. S. K. Shukla, Dr. V K Tripathi, "Laser driven charge particle acceleration and application," *QIP/CEP Topical conference*, IIT New Delhi, April 5-7, 2013.
2. **Ram Gopal**, Dr. Manish Kumar, Dr. S. K. Shukla, Dr. V K Tripathi, "An overview on high power THz coherent radiation generation by plasma wave and its Application," *Workshop on Advances in Energy Engineering & Technology (WAEET- 2013)*, IIT (BHU) Varanasi, June 28-30, 2013.
3. Parth Kaushik, **Ram Gopal** and Dr. S. K. Shukla, "An Overview of Integrated Biomass and PV Systems," *International conference on research and innovations in Mechanical Engineering (ICRIME-2013)*, GNDEC Ludhiana, Oct 24-26, 2013.
4. **Ram Gopal**, Dr. Manish Kumar, Dr. S. K. Shukla, Dr. V K Tripathi, "High intensity laser plasma interaction: Theory and Simulation," *Workshop DST-SERB School-2014*, IIT New Delhi, May 5-23, 2014.

5. Rajesh Singh, **Ram Gopal**, Prince Kumar, K. V. Bahadur and Peeyush Pandey , “Integrating Supply Chain to Improve Agility,” *International Conference Agile management and engineering (ICAME-2012)*, IIT (BHU) Varanasi, India 89-191, 13-15 February 2015.
6. Ram Gopal, M. Sunder Rajan, Priti Sharma, Abhinav K. Gautam, “Dispersive nature of the FEL amplifiers in the whistler mode,” *4th International Conference on Soft Computing: Theories and Applications at NIT Patna-BIHAR*, 27-29, December 2019.

Indian International Journals:

1. **Ram Gopal**, Anand Gandhi Patel and Vikas Mishra, “An effect of Plasma physics in High Power Microwave Modules and Terahertz Devices,” *Anvikshiki, the Indian Journal of Research*, vol. 6, no. 2, pp. 139-153, March 2012.
2. **Ram Gopal**, Anand Gandhi Patel and Avadh Pati, “An Analysis of Synchronous Coherent Optical Code Division Multiple Access (OCDMA) Network,” *Anvikshiki, the Indian Journal of Research*, vol. 6, no. 2, pp. 88-101, March 2012.
3. **Ram Gopal**, Jitendra Kumar and Anand Gandhi Patel, “The Performance Analysis of High Speed Permanent Magnet AC Synchronous Drives Using Digital Signal Processing,” *Anvikshiki, the Indian Journal of Research*, vol. 6, no. 2, pp. 119-128, March 2012.