
AUTHOR'S RELEVANT PUBLICATIONS

1. **Rao S.V.**, Thottappan M, P.K. Jain PK, “Design modifications in RF interaction cavity of a 140 GHz Gyrotron to achieve wide tunable bandwidth for DNP NMR Applications,” *International Journal of Engineering and Advanced Technology*, ISSN: 2249-8958, vol. 9, no. 1, pp.6456-6462, October 2019 .
2. **Rao S.V.**, Thottappan M, P.K. Jain PK, “Thermo-mechanical analysis and its effect on Rf behaviour of a tapered cavity of the W-band gyrotron oscillator,” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075, vol. 8, no. 9, pp. 1170-1178, July 2019.
3. **Rao S.V.**, Jain P.K., “PIC Simulation of a W-band Gyrotron Oscillator,” National Workshop on Vacuum Electron Devices & its Applications (VEDA-2015), Bengaluru, India, 20-21 December 2015.
4. **Rao S.V.**, Jain P.K., “Quasi Optical Mode Launcher for a millimeter CW Gyrotron,” National Workshop on Vacuum Electron Devices & its Applications (VEDA-2014), Indore, India, 20-21 March 2015.
5. **Rao S.V.**, Jain P.K., “Design and development of 95GHz Gyrotron: A Review,” *International Conference on Innovative Advancements in Engineering and Technology (IAET-2014)*, Jaipur, India, 7-8 March 2014.