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## PUBLICATIONS

### TRANSACTIONS / JOURNALS

- [1]. **V. Venkata Reddy**, Mumtaz Ali Ansari and M.Thottappan, "Simulation Investigations of High Power Overmoded Relativistic Backward Wave Oscillator with Trapezoidal Resonant Reflector," *Defence Science Journal*, vol. 71, no. 3, pp. 346-350, May 2021 (10.14429/dsj.71.16745).
- [2]. **V. Venkata Reddy**, Mumtaz Ali Ansari and M.Thottappan, "Modeling of RF Pulse Shortening Causes and Their Effects on an Overmoded RBWO under Low Guiding Magnetic Field," *IEEE Transactions on Electron Devices*, vol. 69, no. 1, pp. 333-339, Jan. 2022 (10.1109/TED.2021.3130860).
- [3]. **V. Venkata Reddy** and M.Thottappan, " Design and Simulation Investigations of Dual-Band RBWO Using Sectional Slow Wave Structures for Long Pulse Generation," *IEEE Transactions on Electron Devices*, vol. 69, no. 10, pp. 5858-5864, Oct. 2022 ( 10.1109/TED.2022.3201834).

### Conferences/ Symposium

- [1]. **V Venkata Reddy**, Pratibha Verma and M. Thottappan, " Design and PIC Simulation of Dual-band RBWO Under Low Magnetic Field Operation," IEEE Wireless, Antenna and Microwave Symposium, National Institute of Technology Rourkela, India, 5 -8<sup>th</sup> June 2022.
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- [3]. **V. Venkata Reddy**, Mumtaz Ali Ansari and M.Thottappan, "Simulation Studies of an Overmoded RBWO under Low Guiding Magnetic Field," 2019 Asia-Pacific Microwave Conference (APMC), Singapore, 10-13<sup>th</sup> Dec. 2019.
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- [5]. **V. Venkata Reddy**, Mumtaz Ali Ansari and M.Thottappan, "Design Studies on S-Band Uniform Relativistic Backward Wave Oscillator," National Symposium on Vacuum Electronic Devices & Applications (VEDA)-2018, IIT, Guwahati, India, 22-24<sup>th</sup> Nov., 2018.