

3.4.3 Number of Patents published/awarded during the year

3.4.3.1: Total number of Patents published/awarded year wise during the year

Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent	Links
Mr. Prashany Kumar, Prof. Ramesh K. Singh and Prof. Suhas S. Joshi and Dr. R. Balasubramanian, Mr. Tarun Dewangan and Dr. V.K. Suri	Indian Patent 336494	Conformal hydrodynamic nanopolishing machine and process	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_336494.pdf
Dr. Prashant Khare, Dr. B.N. Upadhyay, Dr. S.B. Roy, Shri C.K. Pithawa, Dr. V.C. Sahni	Indian Patent 341058	Niobium based superconducting radiogrequency (SCRF) cavities comprising niobium components joined by laser welding	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_341058.pdf
Mr. K.P. Muthe, Dr. M.S. Kulkarni, Mr. Anuj Soni, Dr. Ajay Singh, Mr. N.S. Rawat. Dr. D.R. Mishra, Mrs. Ratna Pradeep, Dr. S. Bhattacharya, Dr. D.N. Sharma, Dr. S.K. Gupta	Indian Patent 341683	A method for large-scale synthesis of optically stimulated luminescence grade polycrystalline ceramic material	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_341683.pdf
Dr. Alok Dube, Ms. Paromita Sarbadhikary and Dr. P.K. Gupta	Indian Patent 343156	Metal Complex of chlorophyll derivative for magnetic resonance imaging and photodynamic therapy	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_343156.pdf
Dr. T.K. Dey, Dr. Avishek Pal, Dr. B.C. Bindal, Dr. P.K. Tewari,	Indian Patent 343289	Nanofiltration membranes with surface negative charge for fractional separation of mono and multivalent	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_343289.pdf
Dr. S. Pradhan	Indian Patent 345150	A Dual Purpose Atomic Device for Realising Atomic Frequency Standard and Magnetic Field Measurement	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_345150.pdf
Mr. S. Ravi, Dr. K. Laha, Dr. M.D. Mathew, Dr. T. Jayakumar	Indian Patent 349533	Creep Machine for Conducting Creep Tests in Flowing Liquid Sodium with Enhanced Safety Features	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_349533.pdf
Dr. N.N. Meeravali, Smt. K. Madhavi and Dr Sunil Jai Kumar	Indian Patent 351799	Process for Determination of parts per billion (ppb) levels of Total Iron in Boiler Coolant water	2020	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_351799.pdf
Dr. S. Santosh Kumar, Dr. Deepak Sharma, Mr. Maikho Thoh, Dr. Rahul Checker, Mr. Raghavendran S. Patwardhan, Dr. Sundarraj Jayakumar, Mr. Haldhar Dev Sarmam, Dr. Subrata Chattopadhyay, and Dr. Vikram Gota	US Patent 10918695	Use of Jack bean Lectin for increasing the abundance of hematopoietic stem cells and progenitor cells in bone marrow and/or epidermal stem cells in skin in vivo	2021	www.hbni.ac.in/aqar/2021/C3/m3_4_3/US_Patent_10918695.pdf
Dr. P.C. Srivastava, Dr. Dibya Joshi , Dr. anoj Srivastava, and Dr. S.T. Mehetre	Indian Patent 358936	A novel universal multinutrient soil extretant for assessing bioavailability of nutrients in soil extractant for assessing bioavailability of nutrients in	2021	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_358936.pdf
Dr. V.K. Suri, Dr. R. Balasubramaniam, Mr. S. Mishra and Smt. S. Ghildiyal	Indian patent 359942	Micromachined metal diaphragm based Fabry-Perot fibre optics sensor system and data processing involving the same	2021	www.hbni.ac.in/aqar/2021/C3/m3_4_3/Patent_359942.pdf
Mr. Mohit Tyagi, Ms. Sheetal Rawat and Dr	US patent 10942283	A Novel Versatile Phoswich Detector consisting of two Single Crystals to discriminate various kind of Radiations	2021	www.hbni.ac.in/aqar/2021/C3/m3_4_3/US_patent_10942283.pdf