

ACCEPTED ABSTRACTS DETAILS FOR ADMET-2023

S. N.	Abstract ID	Paper Description
1	P-1	Study of sound absorption behaviour of Calcium Silicate tiles using two-microphone transfer function method Chitra Gautam, Anita Devi and Naveen Garg CSIR-National Physical Laboratory, New Delhi
2	P-2	Mapping of outdoor gamma radiation and assessment of associated health risk due to its exposure in Bharatpur district of Rajasthan. Amit Sharma, Sunil Km Sahoob, and Kalpana Gupta Department of Chemistry, Raj Rishi Bhartihari Matsya University, Alwar, Rajasthan
3	P-3	Effect of resolution bandwidth on emission measurement. Abdul Moid, Shrikant Dingore, Ratnesh Mishra Electronic Regional Test Laboratory (West), Mumbai
4	P-4	A study on measurement advantages of Monte Carlo simulation. Abdul Moid, Kuber Yadav Electronic Regional Test Laboratory (West), Mumbai
5	P-5	Real Power Loss Reduction by Quasi-Opposition Based Sine Cosine Chrysocon Algorithm in Electrical Power Transmission System Lenin Kanagasabai, Prasad V Potluri, Siddhartha institute of technology vijaywada Andhra Pradesh
6	P-6	Up-gradation of Measurements Standards of Acoustics and Vibration at CSIR-National Physical Laboratory, New Delhi and Dissemination of Traceability. N Garg and C. Gautam CSIR-National Physical Laboratory, New Delhi
7	P-7	Mapping of outdoor gamma radiation and consequential health risk assessment in north-eastern regions of Rajasthan, India Naresh Tanwer, Jitender Singh Laura, Y.P. Gautam, Babita Khosla Maharshi Dayanand University, (Department of Environmental Science), Rohtak, (Haryana), India
8	P-8	Metrological characterization of Phasor Measurement Unit as per IEC/IEEE 60255-118-1:2018 standard Avni Khatkar, Swati Kumari, Amar Singh, Saood Ahmad LF & HF Voltage Current and Microwave Metrology; CSIR- National Physical Laboratory, New Delhi
9	P-9	Realization of absolute voltage and current from ac-dc transfer measurements at NPL. Sunidhi Luthra, Swati Kumari, Bijendra Pal, Saood ahmad CSIR- National Physical Laboratory, New Delhi
10	P-11	A study on suitability of Vertical Bridgman grown 2-Hydroxy 1-Naphthaldehyde single crystal as reference material for Nonlinear Optical Applications. Sachin Yadav, Vinod, Kaphi, Anuj Krishna, N. Vijayan CSIR-National Physical Laboratory, Dr K.S. Krishnan Marg, New Delhi
11	P-12	Feasibility studies on ZnO Nanoparticles as UV- protection shield for various Technological Applications. Kaphi, Sachin Yadav, Vinod, Anuj Krishna, Rina Sharma CSIR - National Physical Laboratory, Dr K.S. Krishnan Road, New Delhi
12	P-13	Establishment of a Farmer-type cylindrical ionization chamber as a secondary standard for source strength determination of HDR 60Co brachytherapy source. Sudhir Kumar, Rahul K. Chaudhary, S. D. Sharma and B. K. Sapra Radiological Physics & Advisory Division, Bhabha Atomic Research Centre
13	P-14	Novel Artifact for Interim Check of Probe and Bridge Type Coordinate Measuring Machine. Achyut Khare, Anand Bewoor, Vinay Kulkarni Department of Technology, Savitribai Phule Pune University, Pune & Department of Mechanical Engineering

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14	P-15	Photogrammetry based measurement technique for axial creep measurement of coolant channel type nuclear reactors Vikram Roy, Manoj Jangid, Pranab Halder, N. K. Maheshwari & Avaneesh Sharma; Advanced Heavy Water Reactor Division, Reactor Design & Development Group, Bhabha Atomic Research Centre
15	P-16	Uncertainty estimation in Beryllium measurements performed using UV fluorometry. Munish Kumar, Ankur Chauhan, Mahesh K. Kamble & Alok Srivastava Industrial Hygiene & Safety Section, Bhabha Atomic Research Centre, Mumbai,
16	P-17	Three phase grid connected solar water pumping system driven by Synchronous reluctance motor drive Anshul Varshney, Bhim Singh CSIR-National Physical Laboratory, New Delhi
17	P-18	Validation of an automated machine vision system for slot inspection of FBTR top plug Rajashree Dixit, S. D. Raut, B. H. Bairagi, Asif Iqbal, Amrit Prakash, P G Behere; Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai
18	P-19	Progress towards the development of a dead weight rotator for pressure balances Jasveer Singh, Aditya Rana, Shanay Rab, Sanjay Yadav and Nita Dilawar Sharma Pressure, Vacuum & Ultrasonic Metrology Section, CSIR-National Physical Laboratory, New Delhi
19	P-20	Microwave assisted sol-gel synthesis of NiO nanospheres for effective supercapacitor applications. Surendhar S. Department of Physics (PG & Research), K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637215, Tamil Nadu
20	P-21	Analyzing the Performance of Stratum 2 NTP server over WAN Divya Singh Yadav, Deepak Sharma, Preeti Kandapal, Omprakash Yadav, and Ashish Agarwal CSIR - National Physical Laboratory, New Delhi, India
21	P-22	An assessment of radiation exposure in Indian industrial radiation workers during 2011-2020. Seethal Johnson, Arshad Khan, Sujatha Baburajan, B K Sapra Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai
22	P-23	Fundamental understanding of inter-elemental effects in EDXRF spectrometry: a case study on Manganese-Cobalt system M. Sarma, P. S. Remya Devi, K.K. Swain and C.N. Patra Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai
23	P-24	Smart meter testing- need of integrated solution Shailendra Goyal, Kartikeya Sharma ZERA India Pvt. Ltd. Gandhinagar Guajrat
24	P-25	Best Measurement Uncertainty in Calibration of Power / Energy Comparators Pradeep Gujarathi IDEMI Mumbai
25	P-26	Understanding effects of undulations per revolution on roundness measurement of a flick standard Sandeep Kumar, Jokhan Ram, Mukesh Jewariya, and Rina Sharma CSIR-National Physical Laboratory, New Delhi
26	P-28	Identifying potential opportunities and challenges in the digitalisation of Metrology domain: An exploratory study Neeraj Bhanot and Tanya Chugh CSIR-National Physical Laboratory, New Delhi,

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27	P-29	Lutetium Isotopic Measurement using in-house Thermal Ionisation Mass Spectrometer D R Das, A Wahid, R K Bhatia, R U Satpute, T A Barnwal, P R Mohite, Anupama P, V Nataraju, S Sethi Beam Technology Development Group, Em&AID, Bhabha Atomic Research Centre, Mumbai
28	P-30	Influence of Meteorological parameters on the Diurnal Variation of PM2.5 concentration over Delhi Vaishali, Rupesh M. Das, Environmental Sciences & Biomedical Metrology Division, CSIR-National Physical Laboratory
29	P-31	RPC gap layer measurement system for ICAL magnet of INO project. Nilesh S Dalal, Saurabh Pathak, Ajith S, S P Prabhakar, Dev Mahender Bhabha Atomic Research Centre, Mumbai
30	P-32	Dose Mapping of X-ray facility using chemical dosimetry technique. Sandip Mondal, S.H. Shinde, S. G. Mhatre, S. A. Yadav, Manoj Pal, P. S. Sarkar, V. Sathian, Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
31	P-33	Uncertainty in dose mapping using Fricke dosimeter. S.H. Shinde, Sandip Mondal, S.G. Mhatre, V. Sathian and Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
32	P-34	Quality assurance of blood irradiators using Fricke dosimeters. Sachin G. Mhatre, S.H. Shinde, Sandip Mondal, V. Sathian, Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
33	P-35	Dimensional deviation analysis of selective laser-melted samples using a coordinate measuring machine and 3D scanner. Meena Pant, Leeladhar Nagdeve, Girija Moona & Harish Kumar Department of Mechanical Engineering, National Institute of Technology Delhi
34	P-36	Roundness Measurement at a glance at CSIR-NPL. Jokhan Ram, Sandeep Kumar, Mukesh Jewariya, and Rina Sharma CSIR-National Physical Laboratory, New Delhi
35	P-37	International equivalence of ^{60}Co : Si measurements of BIPM comparison. Anuradha Ravindra, D.B. Kulkarni, Ritu Sharma, V.Sathian, Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
36	P-40	Standardization of ^{109}Cd using CIEMAT/NIST method and internal conversion electron counting. D.B. Kulkarni, Anuradha R, Ritu Sharma, P.J. Reddy, V Sathian and Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
37	P-41	IAEA postal quality audit of ^{137}Cs reference radiation field for radiation protection. Liji Shaiju, Sunil, K. Singh, S. M. Tripathi, V. Sathian, Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
38	P-42	Estimation of reference gamma radiation field for calibration of radiation monitors. Sunil K. Singh, Liji Shaiju, Aashna Gupta, S. M. Tripathi, V. Sathian and Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
39	P-43	Inter-laboratory comparison: assessment of accredited calibration laboratories. Aashna Gupta, Sunil K. Singh, Liji Shaiju, S. M. Tripathi, V. Sathian and Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai

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40	P-44	The role of self-absorption correction factor in measurement accuracy of gross alpha activity. Gopal P. Verma, Abhigyan, Ranjan Prakash, S. K. Sahoo, S. K. Jha, and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai
41	P-45	Frequency-dependent Ferromagnetic resonance (FMR) and Inverse Spin Hall Effect (ISHE) in Py/Pt Thin Film Stacking. Savita Sahu and G. A. Basheed CSIR-National Physical Laboratory
42	P-46	Structural investigation of Solid state synthesized GdVO4 using High pressure XRD studies and low temperature Raman studies. Ankit Bhoriyaa, Neha Buraa, Deepa Yadava, Jasveer Singha, H K Poswalc, Srihari Velagac, H.K. Singhd, Nita Dilawar Sharma Pressure, Vacuum & Ultrasonic Metrology section, Physico-Mechanical Metrology Division, CSIR-National Physical Laboratory
43	P-47	Probing structural progressions in Monoclinic Samarium Oxide under influence of Pressure and Temperature. Deepa Yadav, Neha Bura, Ankit Bhoriya, Jasveer Singh, Himanshu Poshwal and Nita Dilawar Sharma Pressure, Vacuum & Ultrasonic Metrology section, Physico-Mechanical Metrology Division, National Physical Laboratory
44	P-49	Study of Evaporation Effect on Micro Flow Measurement. Sanjeet Kumar, Shiv Kumar Jaiswal, Anshul Varshney, Chatar Singh, Shanay Rab and Sanjay Yadav Fluid Flow Metrology Section, CSIR-National Physical Laboratory
45	P-50	Calibration of multi variant gas analysers in environmental air pollution monitoring. G. Prahald, K Vishwa Prasad, V V Mahesh Kumar Industrial Hygiene Section, Health Physics Unit, Nuclear Fuel Complex, Hyderabad
46	P-51	An Overview of Metrological Quality Evaluation of An Additive Manufactured Strut of an Aeroengine. Suneel Kumar, Ravi George, Sowmya K, Zafar Hussain, Karan Sharma Gas Turbine Reserach Establishment, Bengaluru
47	P-52	Functionalized humic acid rGO-based magnetic adsorbent for the removal of heavy metals from aqueous solution- RSM modeling and optimization. Chinky Kochar, Lakhan Taneja, and S. Swarupa Tripathy Chemical & Food BND Group, Indian Reference Materials BND Division, CSIR-National Physical Laboratory
48	P-53	Utilization of novel Nd1-xSrxMnO3 perovskite for effective remediation of fluoride from drinking water Lakhan Tanejaa, Chinky Kochara, Ankit Bhoriyaand S. Swarupa Tripathy Indian Reference Materials BND Division, CSIR-National Physical Laboratory
49	P-54	Teledos-10 – a miniaturised, light weight, handy and wearable teledosimeter for real time dose monitoring during space missions. R. Radhika, Jayalatha T., Dr. Deepthi L. Sivadas, Dr. Benny K. George Analytical and Spectroscopy Division, Vikram Sarabhai Space Centre, Thiruvananthapuram
50	P-55	Laser based opacity monitor. Aseem Singh Rawat, Himmat Singh, Lijeesh Koroth, Ram Gangurde, R L Bhardwaj Laser & Plasma Technology Division, BARC, Mumbai

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S. N.	Abstract ID	Paper Description
51	P-56	A novel approach for estimation of trace level of Uranium in effluent containing high total dissolved solid S. K. Srivastava, K Vishwa Prasad, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Hyderabad-62
52	P-57	Evaluation, Analysis and Prediction of Traffic Noise Levels in NCT of Delhi B S Chauhan, S Kumar, N Garg, C Gautam CSIR-National Physical Laboratory, New Delhi
53	P-58	Estimation of Day Equivalent Levels using Short-Term Stratified Noise Monitoring Strategies in Metropolitan City Delhi, India. S Kumar, B S Chauhan, N Garg, C Gautam CSIR-National Physical Laboratory, New Delhi
54	P-59	Determination and inter-comparison of ^{238}U and ^{232}Th in Zircon sand using gamma spectrometry, Nitin Kumari, K. Vishwa Prasad, A.Y. Balbudhe, N. Sai Krishna, S. K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Hyderabad
55	P-60	Standardisation and quality assurance of uranium lung counting system A.Y. Balbudhe, D. Praveen, N. Saikrishna, K. Vishwa Prasad, S. K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Hyderabad
56	P-61	Validation of ventilation system by study of particle size of uranium in working area of fuel fabrication plant. K Vishwa Prasad, A.Y. Balbudhe, Vikas Tanveer, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Hyderabad
57	P-62	Effect of low temperature storage on kinetics of $\gamma\text{H}_2\text{AX}$ and 53BP1 foci in human lymphocytes exposed with radiation: Addressing a biodosimetry challenge. Ranjana S. Pathak, R.K. Chaurasia, Anjana Goel and S.C. Tripathi Department of Biotechnology, Institute of Applied Science & Humanities, GLA University, Mathura, Uttar Pradesh
58	P-63	Effect of Uncertainty in Uranium Measurement using Fluorescence Technique. Pallavi Singhal, Vandana Pulhani, S. K. Jha Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre
59	P-64	Synthesis of Metal Halide Perovskite for Light Emitting Diode Application. Lalita and Ritu Srivastava CSIR-National Physical Laboratory
60	P-65	Dielectrics and electrical properties of ZnO/Polyurethane acrylate resin (PUAR) composite for sensor application. Bhanu Prakash Bisht, Vijaykumar Toutam and Sanjay R. Dhakate Academy of Scientific and Innovative Research (AcSIR), CSIR-National Physical Laboratory
61	P-66	Study of Coastal Fumigation effect on Kudankulam coastal Site. Jayasudha. P, Thomas George1, B Preetha, B. Vijayakumar and I V Saradhi Environmental Survey Laboratory, Kudankulam Nuclear Power Project , Environmental monitoring and Assessment Division, Bhabha Atomic Research Centre
62	P-67	Indoor gamma dose measurements around Kudankulam nuclear power project site B. Vijayakumar and I. V. Saradhi Environmental Survey Laboratory, Kudankulam Nuclear Power Project, Environmental monitoring and Assessment Division, Bhabha Atomic Research Centre

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63	P-68	Trend analysis of ^{137}Cs in environmental matrices around Kudnakulam nuclear power plant. B. S. Selvi, B.Vijayakumar and I. V. Saradhi Environmental Survey Laboratory, Kudankulam Nuclear Power Project, Environmental monitoring and Assessment Division, Bhabha Atomic Research Centre
64	P-69	Estimation of Net Radiation from Air Temperature measurements. B. Preetha, Jayasudha, Thomas George, B. Vijayakumar and I.V.Saradhi Environmental Survey Laboratory, Kudankulam Nuclear Power Project, Environmental monitoring and Assessment Division, Bhabha Atomic Research Centre
65	P-70	Quality assurance programs in radiometry. B. Vijayakumar, Thomas George, M. Balamurugan, B. S. Selvi and I. V. Saradhi Environmental Survey Laboratory, Kudankulam Nuclear Power Project, Environmental monitoring and Assessment Division, Bhabha Atomic Research Centre
66	P-71	Comparative study of tipping bucket rainfall and cumulative rainfall system with newly developed Integrated Rain Recording System (IRRS). Abhishek Jain, A. K. Patra and I. V. Saradhi Environmental Survey Laboratory (ESS, EMAD, BARC), Kakrapar Gujarat
67	P-72	Water Quality Index- A tool to determine quality of surface water. M. K. Jha, A. K. Patra and I. V. Saradhi Environmental Survey Laboratory (ESS, EMAD, BARC), Kakrapar Gujarat
68	P-73	Generation of diurnal pattern of temperature using the minimum and maximum temperature data for Kakrapar Gujarat Site. D. P. Nankar, A. K. Patra and I. V. Saradhi Environmental Survey Laboratory (ESS, EMAD, BARC), Kakrapar Gujara
69	P-74	Quality Assurance in Environmental Monitoring Program at Narora. Y P Gautam, A K Sharma, D Kumar, V Kumar, J.Kumar, A R Tripathi and I V Saradhi Environmental Survey Laboratory, Narora Atomic Power Station, Narora, EMAD, Bhabha Atomic Research Centre, Trombay, Mumbai
70	P-75	Radiation dose rate measurements and estimation of radiation dose received by family members from the patients undergoing diagnostic studies in nuclear medicine department. Gaurav Wanage, Kamaldeep, Shriram Tervankar, Rahul Bhoite, Sureshkumar M K Radiation Medicine Centre, Bhabha Atomic Research Centre, Mumbai
71	P-76	Structural investigation of Solid state synthesized GdVO_4 using High pressure XRD studies and low temperature Raman studies. Ankit Bhoriyaa, Neha Buraa, Deepa Yadava, Jasveer Singha, H K Poswalc, Srihari Velagac, H.K. Singhd, Nita Dilawar Sharma Pressure, Vacuum & Ultrasonic Metrology section, Physico-Mechanical Metrology Division, CSIR-National Physical Laboratory
72	P-77	Design of Fabry-Perot cavity based pressure measurement device using lasers. Manoj Das, Sandip Ghosh, Kuldeep Kumar, Elizabeth Jeessa James, Mansi Sharma and Ashok Kumar Time & Frequency Metrology, Indian Standard Time Division, CSIR-National Physical Laboratory
73	P-78	Substrate mediated nitridation technique for fabricating superconducting ultra-thin films for metrological application. Sachin Yadav and Sangeeta Sahoo Academy of Scientific and Innovative Research (AcSIR), Ghaziabad
74	P-79	Hardness measurement using Linnik interferometry. Surya Kumar Gautam, Vikas, Rajesh Kumar, S. S. K Titus National Physical Laboratory, (CSIR-NPL)

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75	P-80	Study of quasi elastic angular distribution and barrier distribution of $10,11\text{B}+^{232}\text{Th}$ system. Shradha Dubey and I. Mazumdar Department of Nuclear and Atomic Physics, Tata Institute of Fundamental Research, Mumbai , India
76	P-81	Thickness Dependent p-n switching in SnSe ₂ /SnOx/SnSe Heterojunction-based NO ₂ Gas Sensor. Sanju Rani, Manoj Kumar and Vidya Nand Singh CSIR-National Physical Laboratory
77	P-82	Single-step thermal evaporation fabricated composite SnSe/Bi thin films for ultra-high thermoelectric power factor. Manoj Kumar, Sanju Rani and Vidya Nand Singh CSIR-National Physical Laboratory
78	P-83	Monitoring FWHM trend for tracking performance of Gamma Spectrometry System. S. J. Sartandel, V. A. Pulhani and A. Vinod Kumar Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai
79	P-84	Monitoring annual trend of atmospheric aerosols using gravimetric and scattering based measurement techniques. M. Tiwari, T. D. Rathod, S. K. Sahu, P. Y. Ajmal, R. C. Bhangare and V. Pulhani Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai
80	P-85	3D printed PUAR/CUO/Graphite composite discs and their growth orientation dependent dielectric properties. Puja Sihag, Bhanu Prakash Bisht, Alok Tripathi, Vijaykumar Toutam, Satish Singh and S.R. Dhakate Academy of Scientific and Innovative Research (AcSIR), CSIR-National Physical Laboratory
81	P-86	Feasibility study of radio Xenon measurement in environment using computational techniques. Amit K. Verma, Amar D. Pant, Anilkumar S. Pillai and A. Vinod Kumar Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai
82	P-87	Measurement of light absorbing properties of organic carbon aerosol in ambient atmosphere. T. D. Rathod, S. K. Sahu, M. Tiwari, P. Y. Ajmal and R. C. Bhangare Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai
83	P-88	Uncertainty analysis of Ar-41 Plume Shine Dose Estimation. T. Jesan, I. V. Saradhi and A. Vinod Kumar Environmental Survey Laboratory, Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Kalpakkam
84	P-89	Performance evaluation of ESL RR site during participation in IAEA World wide open proficiency test IAEA-TERC-2022-01/02. S. N. Tiwari, A K Gocher, Mohit Sisodia, Tejpal Menaria, Satish Goyal and I V Saradhi Environment Survey Laboratory, Rawatbhata, Rajasthan
85	P-90	Radiological risk assessment to non-human biota of terrestrial ecosystem around Kaiga using ERICA Tool Sanyam Jain, R. M. Joshi, T. L. Ajith, T. K. Reji, J. P. James, M. S. Vishnu and I. V. Saradhi Environmental Survey Laboratory, EMAD, Bhabha Atomic Research Centre, Kaiga

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86	P-91	Radiological mapping of Banswara district of Rajasthan for base line data generation. Rajpal Gill, Balram Meena, S N Tiwari and I V Saradhi Environmental Survey Laboratory, Rawatbhata Rajasthan
87	P-92	Radiation metrology for assessing ^{222}Rn and ^{220}Rn in environmental resources of a high background radiation area, India. Parthasarathi Prusty, A Sahu, A Rout, S K Jha, R P Patra and M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
88	P-93	QA & QC in gamma spectroscopy of rare earths chloride using $2'' \times 2''$ NaI (TI) detector. Parthasarathi Prusty, A Sahu, A Rout, S K Jha and M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
89	P-94	Gauge repeatability and reproducibility (R&R) study on various roughness parameters. Khushboo, Shashank H C, Shashikumar, K Niranjana Reddy Central Manufacturing Technology Institute, Bengaluru
90	P-95	Evaluation of site-specific wet deposition velocity of Beryllium-7 as tracer and its scavenging from aerosol particulate in environment of Rawatbhata Rajasthan. Tejpal Menaria, A.K. Jain, S.N. Tiwari and I. V. Saradhi Environments Survey Laboratory Rawatbhata, Rajasthan
91	P-96	Study of ^{210}Po and ^{210}Pb concentration and its equilibrium ratio in soil of Beghu Tehsil, Rajasthan. Tejpal Menaria, D.S. Rathore, S.N. Tiwari and I.V. Saradhi Environmental Survey Laboratory Rawatbhata Rajasthan
92	P-97	Study of circadian action of different artificial light sources. Vijeta, Shibu Saha, V. K. Jaiswal and Parag Sharma Optical Radiation Metrology, CSIR-National Physical Laboratory, Dr. K.S Krishnan Marg, New Delhi
93	P-98	Estimation of Topo corrections for computation of population dose at KGS, Kaiga. Vedesh K. Varakhedkar, S. V. Vanave, A. Baburajan and I. V. Saradhi Environmental Survey Laboratory ESS, EMAD, BARC Boisar, Tarapur
94	P-99	Study of long-term stability of calibration coefficient of therapy level dosimeters and various factors effecting its stability. Greeshma K A, Sougata Rakshit, V. Sathian Radiation Standard Section, Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai
95	P-100	Studies on Be-7 in atmospheric and terrestrial matrices at Tarapur. R.H. Gaikwad, R.G. Memane, S.T. Mehendarge, A.Baburajan and I.V. Saradhi Environmental Survey Laboratory, Tarapur Atomic Power Station, EMAD, BARC
96	P-101	Gamma-ray self-attenuation corrections in environmental samples under QA/QC approach. Deepak Kumar, Y P Gautam, A K Sharma, J.Kumar, Vineet Kumar, and I V Saradhi Environmental Survey Laboratory, Narora Atomic Power Station, Narora
97	P-102	Meteorological parameter's effects on PM _{2.5} concentration in the National Capital Region of Delhi. Priya Dwivedi and Radhakrishnan S. R Environmental Sciences and Biomedical Metrology Division, CSIR-National Physical Laboratory
98	P-103	Development of reference material for measurement of activity in rare earth solution. Abinash Sahu, P Prusty, A Rout, R P Patra, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
99	P-104	Variation of aerosol optical properties over three different altitudinal regions in India during summer of the years 2020 to 2022. Vasundhara Sharma, Shishir Kumar Singh and Radhakrishnan S. R CSIR-National Physical Laboratory, Dr. K.S. Krishnan Marg, New Delhi

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100	P-105	Microplastics in air: a review on the quantification and identification methods Prerna Singh and Manoj Kumar CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, Uttar Pradesh
101	P-106	Standardization of glass beading process parameters to achieve uniform glossiness and surface finish on SS316L plate. Sunil Magadum, Karthik M. S, Niranjan Reddy K, Raju V. R Centre for Micro-Nano Manufacturing and Metrology Central Manufacturing Technology Institute, Bengaluru
102	P-107	Surgical Coordinate Measuring Mechanism Design and Calibration. Hemanta Swain, Dr. Gaurav Bhutani, Dr. T. A. Dwarakanath, S. K. Sinha, Bimmi Bharadvaj Division of Remote Handling & Robotics, BARC, Trombay
103	P-108	Standardisation of liquid scintillation analyser for rapid estimation of ⁹⁰ Sr in water by Cerenkov counting. Ajay Kumar Gocher, SN Tiwari, IV Saradhi Environmental Survey Laboratory, EMAD, BARC, Rawatbhata, Rajasthan
104	P-109	Precise transfer of radio frequency signal through coaxial cable over long distance. Harish Kumar Rathore, Pallab Roy, Neelam, Shubham Utreja and Subhasis Panja Time & frequency Metrology, Indian Standard Time division, CSIR-National Physical Laboratory, New Delhi
105	P-111	Time transfer through underground optical fibre utilizing white rabbit precision time protocol (WR-PTP). Neelam, M. P. Olaniya, M. Das, V. Bharath, A. Agarwal and S. Panja CSIR-National Physical Laboratory
106	P-112	Study of uranium and associated Physico-chemical parameters in borewell samples of upcoming facility of NFC Kota. S N Tiwari, Tejpal Menaria, Mohit Sisodia, S P Tailor, V P Singh , I V Saradhi Environment Survey Laboratory, EMAD, BARC, Rawatbhata, Rajasthan
107	P-113	Molecularly imprinted polymer-based electrochemical sensor for determination of sulfadiazine in milk samples Samridhi Chopra, Sagar Navariya and Ved Varun Agrawal Academy of Scientific and Innovative Research (AcSIR), CSIR- Human Resource Development Centre
108	P-114	An investigation into the effects of the shock wave on the Crystallinity, Optical properties and Non-Linear behaviour of L-Ascorbic Acid Single Crystal. Vinod, Anuj Krishna, Kiran, Kaphi, Sachin Yadav, N. Vijayan CSIR - National Physical Laboratory
109	P-115	Computational and Analytical Study of Cross Beam Force Transducer. Vikas, Surya Kumar Gautam, Rajesh Kumar, and S. S. K. Titus National Physical Laboratory, New Delhi
110	P-116	Computational and Analytical Study of U Shape-Based Strain Gauge Force Transducer. Vikas, Surya Kumar Gautam, Rajesh Kumar and S. S. K. Titus National Physical Laboratory, New Delhi
111	P-117	Novel approaches to improve the quality of Single Crystals for Reference Material production for Technological Applications Anuj Krishna, Kaphi, Sachin Yadav, Vinod and N.Vijayan CSIR-National Physical Laboratory

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112	P-118	Implementation of integrated management system at environmental survey laboratory, KGST. K. Reji, Sanyam Jain, J. P. James, M. S. Vishnu, I. V. Saradhi Environmental Survey Laboratory, EMAD, Bhabha Atomic Research Centre, Kaiga
113	P-119	Measurement of Total Uranium In Drinking water Around IREL OSCOM, Odisha. R P Patra, A Sahu, A Rout, P Prusty, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai
114	P-120	Automated control of radio frequency and timing sequence signals for cooling, launch, and detection Cs atoms in NPLI-CsF1 Navraj Poudel, Aniket Gupta, Suchi Yadav, Amitava Sen Gupta and Poonam Arora CSIR-NPL
115	P-121	Sedimentation studies of Red Blood Cells using Laser Speckle Interferometry. David Joseph and Sivam Physics Department, Guru Jambheshwar, University of Science and Technology, Hisar
116	P-122	Uranium in ground water in NFC-Kota Premises. Veerendra Pal Singh, Anil Kumar Goyal, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre
117	P-124	Process recovery estimation for gross alpha and gross beta activity due to natural radionuclides in groundwater. S K Srivastava, K Vishwa Prasad, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Hyderabad
118	P-125	Legal metrology laws – a comparison between India and UK laws. G.R. Srikanth & Dr. K I Pavan Kumar KLEF College of Law, KL University Guntur, Principal KLEF College of Law KL University Guntur
119	P-126	Evolution of methods for Radon measurement in India C. G. Sumesh, A. C. Patra, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai Homi Bhabha National Institute, Mumbai
120	P-127	Understanding the precision of data points obtained in air activity measurements with increasing counting time and DAC levels. Saparya Chattaraj, Hemachander Vangara, Nitin Gumber, D. K. Patre, Ashokkumar P., R. V. Kolekar Health Physics Division, Bhabha Atomic Research Centre, Mumbai Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai
121	P-128	Indoor radon measurement - Intercomparison of techniques. Rajesh Kumar, S. K. Sahoo, Gopal P. Verma, Anil Gupta, J. S. Dubey, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085.
122	P-129	Uranium in drinking water - Metrological challenges. S. K. Sahoo, Gopal P. Verma, Anil Gupta, J. S. Dubey, Rajesh Kumar, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085.
123	P-130	Comparison of radiometric and non-radiometric techniques for measurement of uranium in groundwater. Anil Gupta, S. K. Sahoo, Gopal P. Verma, J. S. Dubey, Rajesh Kumar, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085.

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124	P-131	Comparison of gravimetric method and Optical Particle Counter for measurement of environmental PM 10 and PM 2.5 level. J. S. Dubey, S. K. Sahoo, Gopal P. Verma, Rajesh Kumar, Anil Gupta, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085.
125	P-132	Reliability of uranium isotopes measurement in aqueous media using high-resolution photonic emission spectrometry. Gopal P. Verma, S. K. Sahoo, J. S. Dubey, Rajesh Kumar, Anil Gupta, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085.
126	P-133	Synthesis and characterization of TiO ₂ - reduced graphene oxide (r-GO) nanocomposites and their LPG sensing applications. Pramod Kumar Yadawa, Navin Chaurasiya, Bal Chandra Yadav Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur, UP
127	P-134	Effect of pressure on mechanical, thermo-physical, and ultrasonic properties of La ₂ CO ₃ intermetallic compound. Prashant Srivastav, Aadesh Kumar Prajapati and Pramod Kumar Yadawa Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur, UP
128	P-135	Dissemination of traceability in gas measurements through primary reference gas mixtures at CSIR-NPL. Daya Soni, Shankar G Aggarwal, Khem Singh, Komal, Poonam Kumari and Gazal CSIR-National Physical Laboratory, New Delhi
129	P-136	Charge metrology of nuclear relevant aerosols using ELPL. Mariam, Manish Joshi, Pallavi Khandare, Amruta Nakhwa, Arshad Khan and B. K. Sapra Radiological Physics and Advisory Division, Bhabha Atomic Research Centre
130	P-137	Requirement of national infrastructure for type testing of radiation measuring devices: a review. R B Rakesh, V Sathian and Probal Chaudhury Radiation Safety Systems Division, Bhabha Atomic Research Centre, Trombay, Mumbai
131	P-138	Environmental mass measurements using optical particle counter: effect of correction factor. Pallavi Khandare, Manish Joshi, Mariam, Amruta Nakhwa, Arshad Khan and B K Sapra Radiological Physics and Advisory Division, Bhabha Atomic Research Centre
132	P-139	Metrological considerations for the solid-state photoluminescence-based determination of low-level Eu in UO ₂ rich matrix. R K Padhi, R. Senthilvadivu, J. S. Brahmaji Rao, G.V.S. Ashok Kumar, P Ramakrishna, K Sundarrajan Material Chemistry and Metal Fuel Cycle Group, IGCAR, Kalpakkam, India
133	P-140	Experimental Assessment of TCS Correction in Estimation of ¹³⁴ Cs by HPGe System Jaison T J, Abhishek Jain, Patra A K, Harikumar M, Jha S K Health Physics Division, Bhabha Atomic Research Centre, Mumbai
134	P-141	Plant mediated magnetite nano-composite: a potential adsorbent for adsorptive extraction of Uranium (VI) from aqueous phase Poonam Deshmukh and Santosh Kumar Sar Bhilai Institute of Technology, Durg
135	P-142	Uranium measurement in Bodal mines' rock, soil, and fruit in Rajnandgao district using LED LF-2 Ranu Singh, Jayati Chatterjee Mitra, Santosh Kumar Sar and Reena Mathai Department of Chemistry; C V Raman University, Kota

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136	P-143	Drought Quantification by Multivariate Indices and Climatic Parameter Using Geo-Spatial Drought Response in Semi-Arid Marathwada Region Mahesh Huchhe & Narsingrao Bandela Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
137	P-144	LoRa Based IoT Systems for Automation in Occupational Radiological Monitoring- A Preview K. Sreekumar, S. K. Jha, Jaison T John, S. Ajeshkumar, M. Harikumar, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
138	P-145	Exclusion of Thorium (IV) ions by a bio adsorbent Cinnamon bark with fixed-bed column technique. Neha Verma, Santosh Kumar Sara Department of Applied Chemistry, Bhilai Institute of Technology, Durg
139	P-146	Testing of light assembly in automobiles. Karthikeyan Kuppusamy Photometry Laboratory, Global Automotive Research Centre, Chennai
140	P-147	Impact assessment of surface discharged ²²²Rn from ventilation shafts of underground Uranium mine at Narwapahar in India V. S. Srivastava, S. K. Jha & M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
141	P-148	Performance evaluation of indigenously developed online spot air monitoring system. D P Rath, Atul Govalkar, Bhaktivinayagam Arul, Vivek Kaushik, P T Ghare, S A Yadav, Ashokkumar P. and M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
142	P-149	Qualification of RF Guide vane using Coordinate Measuring Machine. Sabharwal T P, Pathak K, Manish Kumar, Malhotra S, Bhagvat P V Electromagnetic Application & Instrumentation Division, Bhabha Atomic Research Centre, Mumbai
143	P-150	Measurement of stable isotope ratio of carbon and nitrogen ($\delta^{13}C$ and $\delta^{15}N$) in respirable atmospheric dust (PM10) at Trombay, Mumbai. V. B. Yadav, Vandana Pulhani, and A Vinod Kumar Environmental Assessment and Monitoring Division, BARC, Mumbai
144	P-151	Exploration of Machine-Readable Data Enriched Calibration Certificate for Complete Measurement Information Infrastructure. Paramita Guha and Rina Sharma CSIR-National Physical Laboratory, Delhi
145	P-152	Superconducting transmission line for voltage metrology applications: A perspective. Pooja Singh, Sandhya M. Patel and P. K. Siwach CSIR-National Physical Laboratory, Delhi
146	P-153	Development of Am-241 activity standards. Ritu Sharma, D. B Kulkarni, Anuradha R., V. Sathian and Probal Choudhury Radiation Safety systems Division, Bhabha Atomic Research Centre, Mumbai
147	P-154	Design and development of a low noise current source for 100 g Kibble Balance Sumit Nehra, B.Ehtesham, T. John, Jasveer Singh, D.C.Sharma, P.K. Siwach, Girija Moona, H.K. Singh, Nita Dilawar Sharma, Nidhi Singh, Achanta Venugopal CSIR-National Physical Laboratory, New Delhi 110012, India and Academy of Scientific & Innovative Research (AcSIR), Ghaziabad
148	P-155	Guard band strategy for managing false acceptance risk in laboratory calibrations K. Suresh, C. K. Gopan, K. G. Jayesh Fluid Control Research Institute, Kerala

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149	P-156	Evolution of crystal structure of GdScO ₃ with Pressure and temperature. Neha Bura, Ankit Bhoriya, Deepa Yadav, Jasveer Singh, Velaga Srihari, Himanshu K Poswal, Nita Dilawar Sharma Pressure, Vacuum & Ultrasonic Metrology section, Physico-Mechanical Metrology Division, CSIR- National Physical Laboratory, New Delhi
150	P-157	Measurement of flowrate and pump efficiency using thermodynamic method. K. G. Jayesh & K. Suresh Fluid Control Research Institute, Kerala
151	P-158	Quantum voltage metrology at CSIR-NPLI. Sandhya M. Patel, Anish M. Bhargav and J.C. Biswas CSIR-National Physical Laboratory
152	P-159	Compact microstrip patch antenna design for RFID and IOT applications Sandhya M. Patel, Trilok Bhardwaj and Manju Khari CSIR-National Physical Laboratory
153	P-160	Initial study of vortex dynamics of VN superconductor for its application as single-photon detector Anish Mahavir Bhargav, Samaresh Das, J.C. Biswas and Venugopal Achanta Quantum Nanophotonics Metrology, CSIR-National Physical Laboratory
154	P-161	Role of artificial intelligence in human machine interface development for measurement science. Satya Prakash Maurya and Akhilesh Kumar Yadav Department of Computer Science & Engineering Manipal University, Jaipur
155	P-162	Exploiting Synergistic Multifunctionality of Sb ₂ Se ₃ Thin Film: Simultaneous UV Photodetection and Bipolar Resistive Switching Yogesh Singh and V. N. Singh Academy of Scientific and Innovative Research (Ac.S.I.R.), Ghaziabad
156	P-163	Potential role of metrology in digital transformation for quality infrastructure. Pranjali Verma Department of IT, SIES(East), Sion
157	P-164	Uncertainty estimation of evaluated channel capacity in one-port and two-port antennas-based communications systems Puneet Sehgal, Vipul Kaushal, Sandhya Malika Patel, Kamlesh Patel Department of Electronic Science, University of Delhi South Campus, New Delhi
158	P-165	Groundwater Quality Analysis in the three district of Odisha using Geochemistry Approach. Tejaswini Sahoo, Jagannath Panda, Sunil Kumar Sahoo & Rojalin Sahu School of Applied Sciences, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar
159	P-166	A Study of Different EMI Suppression Techniques Used in LED driver Mrs. Vandita Khare and Anjali Tripathi
160	P-167	Intercomparison of LED-Fluorimeter and UV-Fluorimeter performance for the analysis of U in aqueous medium. Samim Molla, B. K. Rana, Ranjit Kumar, Subhendu K. Jha, S. K. Jha, & M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
161	P-168	Assessment of Gamma and ²²² Rn levels around the proposed uranium mining site at Rohil, Rajasthan Samim Molla, B. K. Rana, Ranjit Kumar, Gopal P. Verma, S. K. Jha, & M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai

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S. N.	Abstract ID	Paper Description
162	P-169	A comparative study of dissolved ^{222}Rn in groundwater using the Lucas cell-radon bubbler and HPGe gamma spectrometry techniques B. K. Rana, Samim Molla, Pinku Kumar, Gopal P. Verma, S. K. Jha, & M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
163	P-170	Study of secular equilibrium between radionuclides present in the ore, waste rocks, and U mill tailings of Tummalapalle Uranium mining and processing facilities. B. K. Rana, Samim Molla, Ranjit Kumar, Gopal P. Verma, S. K. Jha, & M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
164	P-171	Comparison of Different Potassium Salts for Development of 40K Reference Material N. Nagaraj, K. Sreekumar, S. K. Jha, Jaison T John IREL (India) limited, Manavalakurichi, Kanyakumari
165	P-172	Radiological safety assessment of rare earths mining sites and surrounding environment at OSCOM, IREL, ODISHA Annapurna Rout, Abinash Sahu, P. Prusty, R. Patra, S K Jha, M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
166	P-173	A probe in to site occupancy of Uranium in Barium Aluminum Borate ($\text{BaAl}_2\text{B}_2\text{O}_7$) matrix by EXAFS studies Annapurna Rout, S. K. Jha, C. Nayak, D. Bhattacharyya, S. N. Jha Health Physics Division, Bhabha Atomic Research Centre, Mumbai
167	P-175	Study on radioactivity content in soil around Uranium mineralised region. Abhigyan, Ranjan Prakash, Kumaraswamy V, B. Naresh, S.K. Jha and M.S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
168	P-176	Monitoring of environmental gamma radiation around Tummalapalle uranium mining site. Ranjan Prakash, Abhigyan, Kumaraswamy V, B. Naresh, S. K. Sahu, S. K. Jha and M.S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
169	P-177	Preparation of indigenous radioactive Air filter standard for Gamma spectrometry A. C. Patra, Pradyumna Lenka, V.K. Thakur, C. G. Sumesh, S.K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
170	P-178	Effect of Location and Shielding on Gamma Radiation Background in Low Level Gamma Ray Spectrometry Pradyumna Lenka, A.C. Patra, V.K. Thakur, S. K. Jha, M.S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
171	P-179	Precision and calibration linearity in Ion Chromatography V. K. Thakur, A.C. Patra, Pradyumna Lenka, C. G. Sumesh, S. K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
172	P-180	Estimation of radon flux from irregular shape tailings pile using open foam. Dibyendu Rana, V. N. Jha, R. L. Patnaik, M. K. Singh, S. K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai
173	P-181	A Portable Technique for ^{226}Ra Body Burden Estimation of Uranium Miners via Monitoring of ^{222}Rn of Exhaled Breath R L Patnaik, V N Jha, M K Singh, D Rana, V S Srivastava, S K Jha and M S Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai

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174	P-182	Quantification of attached/unattached fractions of $^{222}\text{Rn}/^{220}\text{Rn}$ progenies to assess the radiological risk Bhupender Singh, Krishan Kant and Naresh Tanwer Department of Physics, Gurugram University, Gurugram
175	P-183	Proficiency in determining ^{134}Cs and ^{137}Cs in aquatic samples using Gamma Spectrometry A. C. Patra, Pradyumna Lenka, V.K. Thakur, C. G. Sumesh, S.K. Jha and M.S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai-400094 Homi Bhabha National Institute, Mumbai
176	P-184	Proficiency testing as a tool for justifying the competence of the calibration laboratories. Y.P. Singh FARE Labs Private Limited
177	P-185	The way forward in radiological dose-rate calibration; Shalini Pathak NUVIA INDIA PRIVATE LIMITED E-11, B-1 Extension, Mohan Co-operative Industrial Estate Mathura Road, New Delhi
178	P-186	The use of Z-scores in External Performance Evaluation of Low-level measurement Lab S. K. Jha & S. J. Sartandel Health Physics Division, Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai
179	P-187	Analytical technique validation of marine radioactivity measurement for trans-boundary migration. S. K. Jha and S. J. Sartandel Health Physics Division, 2Environmental Monitoring and Assessment Division Bhabha Atomic Research Centre, Mumbai
180	P-193	Field evaluation of an encapsulated $^{226}\text{Ra}/^{222}\text{Rn}$ source. N. K. Sethy, Sarjan Singh, V.N. Jha, Gopal Verma, S K Jha & M S Kulkarni Environmental Survey Laboratory Health Physics Unit Jaduguda, Jharkhand Health Physics Division Bhabha Atomic Research Centre, Mumbai-400085
181	P-194	Automation of Calibration process of Dead Weight Tester. Jitendra Chauhan, Vijayalakshmi V, Kalyan Kumar Singh, Sawan Kumar Gas Turbine Research Establishment (GTRE), C V Raman Nagar, Bengaluru
182	P-195	Role of In process parameter on the finished properties of Thermomechanically treated (TMT) Steel Bar – A Metrological approach Angad Verma, Paresh Kumar, Prasanta Kanjilal National Test House, Ghaziabad
183	P-196	Development of Pd-C Eutectic Fixed-Point Cell for the Thermocouple Scale Realization up to 1600o C at CSIRNPL. Ashish Bhatt, Umesh Pant, Saroj Sharma, Hansraj Meena, Komal Bapna and D. D. Shivagan Temperature and Humidity Metrology, CSIR- National Physical Laboratory, New Delhi 110 012 Academy of Scientific and Innovative Research (AcSIR), Ghaziabad- 201 002
184	P-197	Development of a Smart and Portable Humidity Sensor for Healthcare Monitoring. Nitya Soni, Pravesh Kumari, Ankit Kumar, Kavita Sharma, Gaurav Gupta, Komal Bapna and DD Shivagan Temperature and Humidity Metrology, CSIR- National Physical Laboratory, Dr. K. S.Krishnan Marg, New Delhi 110012; Department of Physics, NSUT, New Delhi,110078
185	P-198	Highly sensitive humidity Sensor based on graphene oxide/chitosan composite film. Parvesh Kumari, Ankit Kumar, D.D. Shivagan and Komal Bapna Temperature and Humidity Metrology, CSIR- National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi 110012; Academy of Scientific & Innovative Research (AcSIR), Ghaziabad

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186	P-199	InSb thin film based Infrared Sensor for Thermometry Applications. Saroj Sharma, Ashish Bhatt, Gaurav Gupta, Komal Bapna, and D. D. Shivagan Temperature and Humidity Metrology, CSIR- National Physical Laboratory, New Delhi-110 012; Academy of Scientific & Innovative Research, Ghaziabad
187	P-200	Recent Advancements in Temperature and Humidity Metrology at CSIR-NPL. D. D. Shivagan, Komal Bapna, Hansraj Meena, Gaurav Gupta, Umesh Pant, Babita and Ashish Bhatt Temperature and Humidity Metrology, CSIR- National Physical Laboratory, New Delhi-110012; Academy of Scientific and Innovative Research (AcSIR), Ghaziabad
188	P-201	Standardization of NTC Thermistor and Evaluation of Calibration Equations. Umesh Pant, Ashish Bhatt, Hansraj Meena, Gaurav Gupta, Komal Bapna and D.D. Shivagan Temperature and Humidity Metrology, CSIR- National Physical Laboratory, New Delhi-110 012; Academy of Scientific and Innovative Research (AcSIR), Ghaziabad
189	P-202	Optimisation of DSP MCA pulse shaping parameters for an Over-Square HPGe High Resolution Gamma-ray Spectrometer. M. R. Dhumale, S. Chinnaesakki1, S. V. Bara and S. K. Jha, M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai.
190	P-203	Preliminary Characterisation of Zircon sand as in-house Reference Material for Gamma-ray Spectrometry. S. Chinnaesakki, K. Sreekumar, S. V. Bara, M. R. Dhumale, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai.
191	P-204	Analysis of Radionuclide partitioning at various stages of processing of ilmenite ore using HPGe Gamma-ray spectrometry. S. V. Bara, M. R. Dhumale, S. Chinnaesakki, S. K. Jha and M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai.
192	P-205	Performance testing for ²²² Rn measurement systems for underground uranium mining facilities of India V N Jha, S.K. Jha, Rajesh Kumar, R L Patnaik, M.K. Singh, S K Sahoo, Gopal P. Verma and M. S. Kulkarni Health Physics Unit, UCIL, Jaduguda, Health Physics Division, BARC, Mumbai.
193	P-206	Feasibility study of uranium mill tailings as construction material by making bricks and paver blocks S. K. Jha, B. K. Rana, Samim Molla, Gopal P. Verma & M. S. Kulkarni Health Physics Division, Bhabha Atomic Research Centre, Mumbai-400085
194	P-207	Calibration of platinum resistance thermometer at the fixed points in the range from 0.01 °C to 660.323 °C Y.P. Singh and C.S. Joshi FARE Labs Private Limited, Gurugram, Haryana