

Membership No.	Member Name	Nomination for post	Bio-data
079	Yadav, Raja Ram (Dr.)	President	<p>Prof. Dr. Raja Ram Yadav Former Vice-Chancellor Veer Bahadur Singh Purvanchal University, Jaunpur U.P. (01 May 2017 – 01 Aug 2020) Former Geophysicist in ONGC (1983-1988) Former HOD, Dean and DSW Chitrakoot Gramoday University, (M.P.) Vice President-Ultrasonic Society of India Professor of Physics, Department of Physics, University of Allahabad, Prayagraj, (U.P.) Education: B.Sc., M.Sc., Ph.D. University of Allahabad, Prayagraj, (U.P.)</p> <p>Contribution in Research: ❖ 18 Ph.D. produced (all well placed) ❖ 136 research papers published in the journals of international repute. ❖ Major research projects completed as P.I. approximately 2 Crores (DRDO, DST,UGC,etc.) ❖ More than 110 Invited talks (keynotes speech etc.) in Canada, USA, Italy, Japan, Spain, UK, Germany, Belgium, Singapore, France, Austria, Nepal, Sweden, China etc. ❖ Established very cost effective Ultrasonic Spectroscopic Methods of Determine size of Nanoparticles and their distribution in Nanofluids (replacing TEM method) ❖ Established nonlinear ultrasonic methods for material characterization including nano-structured materials leading different industrial applications. Awards/Recognitions: INSA Teacher Award-2012, M.S. Narayanan Memorial Lecture Award, Dr. S. Partha Sarthi Award, Dr. S. Bhagavantam Award, Swadeshi Vigyan Puruskar best paper award and many others. Fellow: Ultrasonics Society of India, Acoustical Society of India, Institute of Applied Sciences, Indian Academy of Social Sciences Life members The National Academy of Sciences, India and many others. Member of Governing Council: Aryabhata Research Institute of Observational Sciences (ARIES), Govt. of India, Nainital, Uttarakhand. Vikram University, Ujjain, M.P. member of research expert committee UGC, NISCAIR (CSIR) etc. During the tenure of Vice- Chancellor (3 Years 3 Months) ❖ Establishment of Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research having P.G. Courses in M. Sc. (Physics), M. Sc. (Chemistry), M. Sc. (Mathematics), M. Sc. (Earth & Planetary Sciences), B.Sc. and two major research Centres, Nano Science and Technology Research Centre and Centre for Renewable Energy including world class facility (FESEM, XRD, UV-Vis, FTIRTS-500S, A. P.S.-100 etc.) also world class Arayabhata auditorium inaugurated by Late Prof. S.K. Joshi (Padma Bhushan), Prof. K. Lal (FNA), Prof. N.F. Declercq, Prof. B. K.Agrawal (FNA). ❖ 3 days international conference, Inspire DST camp first time in the University. ❖ Started Institutional Post-Doctoral</p>

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			<p>Fellowship (PDF) for the first time in any State University. And also started IAS/PCS free coaching for the students. ❖ Started B.A. LL. B. Integrated programme (Duttopant Thengari Law Institute), B.Sc., BCA, B. Com. (Hons.), M. Tech. etc. ❖ Establishment of Skill Development and Training Centre. Establishment of Training and Placement Cell, successfully more than 3500 students are well placed in campus selection first time in history of University. ❖ Adopted 50 villages for overall development. ❖ Within 2 Years, I have generated more than Rs. 4 Crores funds within the university. ❖ In sports 27, 42, 105,150 national medalist students cricket and hockey national champion first time in history of University.</p>
105	Chimankar, Omprakash Pandurang Dr	Vice-President	<p>Dr. O.P.Chimankar is working as a Professor and Head of Department of Physics, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. He obtained his Master's Degree in Physics in 1991 and Ph. D. in Physics (Ultrasonic Studies) in 1999 from Institute of Science, RTM Nagpur University, Nagpur. Under his guidance 19 students has been awarded Ph. D. degree in Physics. He had also guided Several M.Phil. and M.Sc. students for their projects. He has published more than 150 research papers in National and International refereed Journals & various Conferences. He has been teaching Physics to UG classes for 12 years and PG classes for 18 years. He had also organised International Symposium of Ultrasonic's (ISU 2015).He has completed two research project of UGC and RTM Nagpur University. He got Best teacher Award of RTM Nagpur University, Nagpur in 2017, Life fellow award of Ultrasonic Society of India(USI), New Delhi in 2017. He was Joint Secretary of USI during 2016-18. Now he is a Senate member, Member of Board of Study (BOS), Member of Board of Examination (BOE) of RTM Nagpur University, Nagpur. He had participated 33 days Research Program in ICTP, Trieste, Italy as an affiliate in 2009. He had also participated and presented his research work in various International conferences at Singapore, Poland, Spain, Belgium and in India also. He has been associated with various professional bodies like Ultrasonic Society of India, Acoustical Society of India, Indian Association of Physics Teachers (IAPT), Indian Physics Association (IPA) etc.</p>
070	Mahavir Singh (Dr.)	Vice-President	<p>RESUME OF MAHAVIR SINGH PhD (IITD), CEng, PEng, FASI, FMSI, FUSI, FIEI, MIIAV-USA Mahavir Singh, born in Ghaziabad (UP), India. He received his first degree in mechanical</p>

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			<p>engineering in 1988, from the National Institute of Technology (NIT), Surat. In 1991, he obtained an M. Tech. in mechanical engineering from the National Institute of Technology (NIT), Kurukshetra, and in 2003, obtained a Ph. D. degree in technical acoustics from the Indian Institute of Technology (IIT), Delhi. Currently, he is a Former Chief Scientist/Scientist-G and Former Head of the Acoustics & Vibration Metrology of the CSIR-National Physical Laboratory, New Delhi, Advisor to Director, CSIR-NPL, and Professor of AcSIR. He has over 30 years of experience in Acoustics and Vibration activities at CSIR-NPL, New Delhi. His main research interests are in the field of building acoustics (it is noise transmission in the audio frequencies), application of statistical energy analysis (SEA) to buildings and other structures, modeling of wall sound transmission losses using artificial neural network (ANN), noise & vibration control, calibration & testing of electro-acoustic equipments/acoustical products & devices, maintenance, up-gradation & realization of national primary standards for acoustics and vibration to establish a quality system for traceable calibration measurement service; participated in key comparison of national acoustics and vibration standards at CCUVA/APMP level with NMIs of the world and advisory technical consultancy in architectural acoustics. Provide services to the industry & institution of the Country. Countries visited by him include Germany, Italy, Japan, Thailand, Spain, France (two times), and Singapore (two times). Dr. Singh has published over 175 research papers in professional journals and conference proceedings; authored a book entitled "Noise Control in Buildings - Fundamental and Applications" (Narosa Publishing House, New Delhi, 2014) and another book entitled "Recent Developments in Acoustics" (Springer Nature Singapore, 2020); many chapters in few books and organized several national & international conferences and workshops - two mega-events organized: Indo-French Conference on Acoustics (Acoustics 2013 New Delhi) and WESPAC 2018. He is a Fellow of the Acoustical Society of India (ASI), Ultrasonics Society of India (USI), Metrology Society of India (MSI), the Institution of Engineers (IEI), and a Member of the International Institute of Acoustics and Vibration (IIAV-USA), has been Guest Editor for several journals and a Member of several acoustical societies. Dr. Singh has also been active in the affairs of acoustics through serving to ASI in various capacities as Treasurer and Managing Editor, Editor-in-Chief of the Journal of Acoustical Society of India (JASI).</p>

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			<p>General Secretary of Ultrasonics Society of India (USI) (2012-16), Treasurer of Metrology Society of India (MSI) (2010-14), Recently, he is a General Secretary of Acoustical Society of India (ASI), Member of Consultative Committee of Acoustics, Ultrasound, and Vibration (CCAUV-BIPM, France), an International Peer Reviewer within the CIPM MRA in the fields of Acoustics and Vibration Metrology based on the Joint Committee of the Regional Metrology Organizations and the BIPM (JCRB), and Working Group Member of TC 29/WG 5 & WG 10 of IEC. Dr. Singh has been awarded the Sir CV Raman Award for the best-contributed paper in JASI for 2004, 2013, 2014 and 2021; the best ICA cartoons award on acoustics; the successively three times ICA-ASA Young Scientist Award from the International Commission for Acoustics (ICA) for excellent contribution to acoustics in the field of room and building acoustics for 2001, 2004 and for 2007, respectively, IEI Young Scientist Award (2009), Distinguished Service Award by ASI for 2011-13, Best Delhi Chapter Award by ASI for 2017, Lifetime Achievement Award for Acoustics & Vibration Metrology by VIRA (2017), First recipient of Indo-Japan Friendship Award on Acoustics in Simulation (2018), Chairperson of Selection Committee for Indo-Japan Collaboration Award on Acoustics in Simulation for next 10 years (2019-2029); Prof. S. Bhagwantam Award for outstanding contribution and leadership provided in the field of Acoustics for 2021. Also, he has been a reviewer of several Ph. D. theses throughout India and also M. Tech. Dissertations and also a reviewer of Applied Acoustics-Journal, International Journal of Acoustics and Vibration, Journal of Building Acoustics, International Journal of Vehicle Noise and Vibration, Acoustical Society of America. etc.</p>
080	Yadav, Sanjay (Dr.)	Vice-President	<p>After completion of my M.Sc. (Electronics) in 1985 and receiving fellowship from Ministry of Home Affairs, Govt. of India in 1986, I joined CSIR-NPL, New Delhi as Research Scholar. Two years later, I was also awarded SRF of CSIR, New Delhi. Completed Ph.D. degree in Physics having thesis title, “Research Contributions towards the Development of Ultrasonic Instrumentation for Scientific, Biomedical and Forensic Applications” in 1990. I joined Science and Technology Department, Haryana Govt. in May 1989 as ‘Project Officer’ for the implementation of rural energy programme. I joined CSIR-NPL as</p>

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			<p>Scientist B during November 1995. Currently I am working as Chief Scientist and Head, Physico-mechanical Metrology Division. I became Member of the Ultrasonic Society of India (USI) during 1987 and since then served the USI on various capacities, Member of Executive Councils, Member of Its Working Committees, Treasurer, Chairman, Membership Committee and Member of the Publication Committee since many years. The first PhD thesis of AcSIR in Physics (Ultrasonic Metrology) was completed by one of my students. During my tenure at CSIR-NPL, I am heading Ultrasonic Metrology Section since 2015. I am also responsible for maintaining one the best primary vacuum standards in world i.e. Ultrasonic Interferometer Manometer. Total 6 of my students have already completed PhD degrees and another 7 are rigorously following. I have published more than 415 publications to in reputed SCI Journals and conferences including more than 70 invited talks and edited 10 books. I have also been part of the 8 patents and 6 software copyrights. Received many awards / recognitions in India and abroad. For the recognition and awards, I am the recipient of Col. G.N. Bajpayee Award of Institution of Engineers, India (1989); Commendation Certificates from Haryana Government (1991 & 1992); JICA Fellowship of JAPAN (1998), Commendation Certificates from SASO, Saudi Arabia (2003); 3 Appreciation Certificates from Director, NPL (2005); Software Development Certificates from Director, NPL (2008); nominated as Member of APMP Technical Committee of Mass Related Quantities (TCM), Australia (2013-2019); Nominated as Country Representative in APMP (2019); Members, Standards Advisory Committee, BIS (2019); nominated as member representative in National Advisory Committee of NCERT (2020); elected as Vice President, Metrology Society of India (2020); working as Editor-in-Chief (EIC) of</p>

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			<p>MAPAN – Journal of Metrology Society of India since 2016; Recipient of prestigious APMP Award of Developing Economies 2020; Member of IMEKO Governing Board 2020; Member IMEKO TC6 and TC21; Member WGPV and WGM BIPM 2021; nominated as Member Governing Council, FCRI, Palakkad, Kerala and Chairman, Safe Guard and Appeal Committees, Legal Metrology Department 2022. .</p> <p>I have extensively visited several countries; LNE, France during 1998 (1 week) and 2014 (1 week); NMIJ, AIST, Japan during 1998-99 (10 months); NMCL, SASO, Saudi Arabia, 2003 (2 months); KIM-LIPI, Indonesia during 2014 (1 week); NSM, Bhutan 2015 (1 week) and SIRIM; Malaysia 2017 (1 week) on official deputations.</p> <p>Administratively, I am a system grown and oriented scientist elevated to leader. After joining Scientist B in 1995 at CSIR- NPL, elevated as Head of Pressure Standards in 2012, Head, Pressure and Vacuum Standards in 2014, Head, Pressure, Vacuum and Ultrasonic Metrology 2015, Deputy Head, Physico-Mechanical Metrology Division in 2016 and finally elevated to Head, Physico-Mechanical Metrology Division in 2019, the largest division of CSIR-NPL. This clearly shows the faith and trust of the CSIR-NPL Management in my administrative and leadership capabilities. I think I can further contribute extensively and effectively to take the movement of Ultrasonic Society of India to new heights if given an opportunity to serve as the Vice President of the Society.</p>
280	Dubey, Premshankar Kedarnath (Dr.)	General Secretary	DR. PREMSHANKAR KEDARNATH DUBEY Office: Room - 212, Pressure, Vacuum and Ultrasonic Metrology Section, National Physical Laboratory, Dr K. S. Krishnan Marg, New Delhi, 110 012 (INDIA) Phone: +91-11-45608380, Mob: +91 9968408417 dubeypk@nplindia.org, premkdubey@gmail.com Principal Scientist and Associate Professor (AcSIR) Dr P K Dubey did MSc in Electronics (Instrumentation) and PhD in

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			<p>Ultrasonic Instrumentation from Nagpur University, Nagpur, India. He is keenly interested in design and development of scientific instruments and particularly ultrasonic instruments with improved parameters. Presently, working as Principal Scientist in Pressure Vacuum and Ultrasonic Metrology at CSIR-NPL, India and holding major responsibility for maintaining and upgradation of ultrasonic metrology related activity. He has total 32 journal publications which includes 30 SCI and 02 non-SCI journals and 66 conference publications. Apart from this he has 6 patents to his credit. He has also developed 6 technologies out of which two are available commercially in the market. List of Patents (Granted / Filed) 1. P K Dubey, Sanjay Yadav and Piyush, "Ultrasonic Pulse Velocity Tester Device with Threshold Error Correction" Patent Filed No.: 202111048097(October 2021) 2. Sanjay Yadav, Rahul Kumar, Ashok Kumar, P K Dubey, Afqal Zafer, Nita Dilawar, Om Prakash, Harish Kumar, V K Gupta, S K Jaiswal and Ashutosh Aggarwal, "An automatic calibration setup for multiple blood pressure measuring instruments", Patent Filed No.: 202111048098 (October 2021) 3. P K Dubey, V N Ojha and Shashank Singh, "Electromagnetic Acoustic Transducer Excitation Source with Programmable Tone Burst Generator" (US Patent No.: US 10, 250, 979 B2) Grant date: April 2019. 4. Ashok Kumar, Ravikant, Sheshamani Singh, Hitesh Borkar, Gaurav Gupta, Shashank Singh, P K Dubey, Sanjay Yadav, V N Ojha, "Low cost and high sensitivity polar-resistive humidity sensor" (Indian Patent File No: 201711040726) File date: Nov 2017. 5. P K Dubey and Sahil Sharma, "Improved Ultrasonic Interferometer Excitation and Detection Circuit for Velocity and Attenuation Measurement" (Indian Patent File No: 201711036499) File date: Oct 2017. 6. P K Dubey, V N Ojha and Shashank Singh, "Electromagnetic Acoustic Transducer Excitation Source with Programmable Tone Burst Generator" (Indian Patent filed No-201611041059)File date: Dec 2016. List of Technologies Developed 1. Electromagnetic Acoustic Transducer (EMAT): Ready for Technology Transfer 2. Improved Variable Frequency Ultrasonic Interferometer for Velocity and Attenuation Measurement in liquids: Product Available in Market 3. Three Tesla Auto Range Pulsed/ Static Field Gauss Meter: Product Available in Market 4. Improved Ultrasonic Pulse Velocity Tester with Automatic Threshold Error Correction: Ready for Technology Transfer 5. Electromagnetic Acoustic Transducer based Non-Destructive Testing System 6. EMAT based Ultrasonic Flaw Detector: Ready for Technology</p>

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			<p>Transfer List of Journal Papers: 1) Rahul Kumar, P.K. Dubey , AfaqulZafer, Ashok Kumar and Sanjay Yadav, "Design and Development of a Temperature-Compensated Body Mass Index Measuring System" MAPAN - Journal of Metrology Society of India, 36(2): 287–294(April 2021). DOI: 10.1007/s12647-021-00448-y 2) Rashtrapriya Kumar Kapri, Rajeev Dwivedi, Parag Sharma and P K Dubey, "Development of LabVIEW Program Using SR400 Gated Photon Counter for Continuous Data Acquisition and Analysis" MAPAN - Journal of Metrology Society of India, 36: 443 – 449(June 2021), DOI: 10.1007/s12647-021-00487-5 3) Kalpana Yadav, Sanjay Yadav and P K Dubey, "A Comparative Study of Ultrasonic Contact and Immersion Method for Dimensional Measurements" MAPAN - Journal of Metrology Society of India, 36: 319–324 (May 2021). DOI: 10.1007/s12647-021-00452-2 4) Rashtrapriya Kumar Kapri, Parag Sharma and P K Dubey, "Indigenous Design and Development of Gated Photon Counter for Low-Rate Photon Regime" MAPAN - Journal of Metrology Society of India, 36: 59–66(May 2021). DOI: 10.1007/s12647-021-00434-4 5) Rahul Kumar, P.K. Dubey , AfaqulZafer, Ashok Kumar and Sanjay Yadav, "Past, present and future of blood pressure measuring instruments and their calibration" Measurement, Volume 172, February 2021, 108845 6) S. Sharma, S. Yadav and P. K. Dubey, "Continuous Wave Ultrasonic Interferometers with Relatively Higher Excitation are Inappropriate for Liquid Characterization", MAPAN - Journal of Metrology Society of India, 35(3):427–433 (September 2020). https://doi.org/10.1007/s12647-020-00389-y 7) Manisha Singh, S P Sigh, P K Dubey, Rachana R, Shalini Mani, Deepshikha Yadav, Mugdha Agarwal, Shriya Agarwal, Vinayak Agarwal and Harleen Kaur, "Advent of Proteomic Tools For Diagnostic Biomarker Analysis in Alzheimer's Disease" Current Protein and Peptide Science, 21(10), June 2020, DOI: 10.2174/1389203721666200615173213 8) R. Kumar, P. K. Dubey , A. Zafer, A. Kumar and S. Yadav, "Development of Remote Wireless Environmental Conditions Measurement, Monitoring and Recording Device for Metrological and Other Scientific Applications", MAPAN - Journal of Metrology Society of India, 35(2):193–199 (June 2020). https://doi.org/10.1007/s12647-020-00368-3 9) R. K. Kapri, K. Rathore, P. K. Dubey, R. Mehrotra and P. Sharma, "Optimization of Control Parameters of PMT-Based Photon Counting System", MAPAN - Journal of Metrology Society of India, Online Nov 25, (2019). https://doi.org/10.1007/s12647-019-00357-1 10)</p>

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			<p>S. Sharma, U. K. Mishra A. K. Saini and P. K. Dubey, "Accuracy Estimation of Propagation Velocity in Variable Path Ultrasonic Interferometer for Liquids" MAPAN - Journal of Metrology Society of India, 35, pages 19–24 (2020). https://doi.org/10.1007/s12647-019-00331-x 11)</p> <p>S. Rab, S. Yadav, A. Zafer A. Haleem, P. K. Dubey, J. Singh, R. Kumar, R. Sharma and L. Kumar, "Comparison of Monte Carlo Simulation, Least Square Fitting and Calibration Factor Methods for the Evaluation of Measurement Uncertainty Using Direct Pressure Indicating Devices", MAPAN - Journal of Metrology Society of India, 34, 305–315(2019).https://doi.org/10.1007/s12647-019-00333-9 12) Ravikant, Sheshamani Singh, Gaurav Gupta, Sanjay Yadav, P.K. Dubey, V.N. Ojha, Ashok Kumar, Highly-sensitive potassium-tantalum-niobium oxide humidity sensor, Sensors and Actuators A: Physical, 295 (2019) 133–140 13) Sahil Sharma, Ujjwal K Mishra, Sanjay Yadav and P K Dubey, "Improved ultrasonic interferometer technique for propagation velocity and attenuation measurement in liquids" Review of Scientific Instruments (AIP, USA), 90, 045107 (2019); doi: 10.1063/1.5088762 14) S. U. Dubey, P. K. Dubey S. Rajagopalan and S. J. Sharma, "Real-time implementation of Kalman filter to improve accuracy in the measurement of time of flight in an ultrasonic pulse-echo setup" Review of Scientific Instruments (AIP, USA), Vol. 90(2), 025105 (2019). 15) Kritika Sharma, Shashank Singh and P. K Dubey, "Design of Low Cost Broadband Ultrasonic Pulser-Receiver", MAPAN - Journal of Metrology Society of India, Vol. 32 (2), pp 95-100. (2017).DOI 10.1007/s12647-017-0208-6 16) Anil Kumar, Harish Kumar, V. N. Ojha, Shakti Singh, Girija Moona, Satish, P. K. Dubey, H. K. Singh, Goutam Mandal and D. K. Aswal "National Physical Laboratory demonstrates 1 g Kibble balance: Linkage of macroscopic mass to Planck constant,"Current Science (India), Vol. 113(3), (2017) 17) Julian Haller, Christian Koch, Rodrigo P B Costa-Felix, P K Dubey, G Durando, Yong Tae Kim, Masahiro Yoshioka, "Final report on key comparison CCAUV.U-K3.1",Metrologia,Vol. 53(1A):09002 (January 2016). DOI: 10.1088/0026-1394/53/1A/09002 18) P. K Dubey, Anshul Jain and Shashank Singh, "Improved and Automated Primary Ultrasonic Power Measurement Setup at CSIR-NPL, India", MAPAN - Journal of Metrology Society of India, Vol. 30 (4),pp. 231–237 (2015).http://dx.doi.org/10.1007/s12647-015-0150-4 19) P. K Dubey, and Shashank Singh, "High resolution vertical movement system for transducer and target separation in primary</p>

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			<p>ultrasonic power measurement setup", Measurement (Elsevier, UK), Vol. 76 pp. 201-208 (2015).DOI: 10.1016/j.measurement.2015.08.030</p> <p>20) P. K Dubey, Yudhisther Kumar, Reeta Gupta, Anshul Jain and Chandrashekhar Gohiya, "Measurement of total ultrasonic power using thermal expansion and change in buoyancy of an absorbing target", Review of Scientific Instruments (AIP, USA), Vol. 85(5), 054905(2014). 21) Renu Maurya, P. K. Dubey D. K. Shukla, Arun Kumar, B. C. Arya, and S. L. Jain, "Comparison of Indigenously Developed Micro Pulse Polarization Lidar with EZ Lidar Profiles, Applied Physics B: Lasers and Optics, Vol. 104 (4), pp. 975-982 (2011) DOI 10.1007/s00340-011-4612-2. 22) P.K. Dubey, S.L. Jain, B.C. Arya, Y. N. Ahammed, Arun Kumar, D. K. Shukla and Pavan S. Kulkarni, "Indigenous design and development of a micro-pulse lidar for atmospheric studies" International Journal of Remote Sensing(T&F, UK),Vol. 32(2), 337 (2011). 23) Pavan S. Kulkarni , Sachin D. Ghude, S.L. Jain, B.C. Arya, P.K. Dubey and Shahnawaz, "Tropospheric ozone variability over the Indian coastline and adjacent land and sea" International Journal of Remote Sensing(T&F, UK),Vol. 32(6), 1545-1559 (2011). 24) P. K Dubey, Ashok Kumar, Yudhisther Kumar, Reeta Gupta and Deepa Joshi, "Primary measurement of total ultrasonic power with improved accuracy in RF voltage measurement", Review of Scientific Instruments (AIP, USA), Vol. 81(10), 104904 (2010). 25) P. K. Dubey, S.L. Jain, B.C. Arya, and Pavan S. Kulkarni, "Discriminator threshold selection logic to improve signal to noise ratio in photon counting", MAPAN - Journal of Metrology Society of India, Vol. 25 (1),pp. 63-70 (2010) 26) P. K. Dubey, S.L. Jain, B.C. Arya, and Pavan S. Kulkarni, "Depolarization ratio measurement using single photomultiplier tube in micro-pulse lidar", Review of Scientific Instruments (AIP, USA), Vol. 80(5), 053111 (2009). 27) Pavan S. Kulkarni, S.L. Jain, Sachin D. Ghude, B.C. Arya, P.K. Dubey and Shahnawaz, "On some aspects of tropospheric ozone variability over the Indo-Gangetic (IG) basin, India", International Journal of Remote Sensing(T&F, UK),Vol. 30(16), 4111 (2009). 28) P.K. Dubey, S. Rajagopalan, V.R. Vyaghra, V.M. Pendsey and S.J. Sharma, "High Resolution Ultrasonic Attenuation Measurement in Pulse-echo Setup", MAPAN - Journal of Metrology Society of India, Vol. 23 (4), pp. 245-252 (2008) 29) S.L. Jain, Pavan S. Kulkarni, Sachin D. Ghude, Suraj D. Polade, B.C. Arya, P.K. Dubey and Shahnawaz, "Trend Analysis of Total Column Ozone over New Delhi, India", MAPAN - Journal of Metrology Society of India,</p>

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			<p>Vol. 23 (2),pp. 63-69 (2008) 30) S. Rajagopalan, S. J. Sharma and P. K. Dubey, "Measurement of Ultrasonic Velocity with Improved Accuracy in Pulse-Echo Setup", Review of Scientific Instruments (AIP, USA), Vol. 78(8), 085104 (2007). 31) S. Rajagopalan, S.J. Sharma,P.K. Dubey, V.R. Vyaghra and V.M. Pendsey "Remote surface mapping using ultrasonic technique", Journal of Pure and Applied Ultrasonics (India), Vol. 29 (1), pp. 36-41 (2007) 32) S. Rajagopalan, S.J. Sharma,V.M. Pendsey, P.K. Dubey and V.R. Vyaghra "PC based ultrasonic attenuation recorder", Journal of Pure and Applied Ultrasonics (India), Vol. 29 (1), pp. 41-45 (2007)</p> <p>*****//*****</p>
295	Pawar, Namdeo Ramdin (Dr.)	Joint Secretary	<p>Name: Dr. N. R. Pawar Designation: Head Department of Physics, (IQAC Coordinator, College Nodal Officer of AISHE-MHRD, College Coordinator Unnat Bharat Abhiyan) Arts, Commerce & Science College, Maregaon (Road) Dist. Yavatmal- 445 303, Maharashtra Qualification: M.Sc. (Physics), B. Ed, M.Phil, PhD Email: pawarsir1@gmail.com Mob: 09850365754 Institution: Department of Physics, Arts, Commerce & Science College, Maregaon (Road), Dist. Yavatmal - 445 303, Maharashtra State Visited Country: Singapore & Malaysia (Department of Science & Technology, DST and CSIR, New Delhi, India Government Sanctioned Foreign Travel Grant) Foreign Travel grant Sanctioned: 03 Awards: • Dr. T. K. Saksena Memorial Award 2015 (National Award). } For the excellent research in the field of Ultrasonics. • Maharashtra Gaurav Puraskar-2019 } For excellent work in various fields Recognition: • PhD Supervisor recognition from RTM Nagpur University, Nagpur in the Subject Physics. • PhD Supervisor recognition from SGB University, Amravati in the Subject Physics. • PhD awarded: 02 • Registered students: 03 Research Publications : 121 Research Articles : 71 in International/National Journals : 15 in International Conferences : 29 in National Conferences : 07 Best research paper oral presentation award Invited Talk : 16 in International conference (03), National (11), Inter University level (02) Chairman of Technical session: 14 in International conference (04), National (10) Guest Lecture : More than 25 on various topics for UG & PG Students Text Book & Chapter : Text Book- 01 (Two in process) & Chapter-07 Editor: • Conference Proceeding of National Conference on Synthesis of Advanced Materials and Their Applications (NSAMA-2015) • National E-Conference on "Recent Trends in Physical Sciences (NCRTPS-2021) • Conference</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>International Conference on Recent Advances on Material Science & Nanotechnology (RAMAN-2021) Editor of Journal • Editor of International Journal of Scientific Research in Science and Technology Ph.D.Examiner: • Ph.D. Examiner, NIMS University, Jaipur • Open Ph.D. Viva-voce Expert of Mr. Rajkumar, NIMS University, Jaipur Referee: • Referee of Journal of Macromolecular Symposia (Elsevier) • Referee of Journal of MAPAN, Springer Nature • Referee of Journal of Pure & Applied Ultrasonics (JPAU) • Referee of International Journal of Research in Engineering and Technology (IJRET). Dr. N. R. Pawar: • Member of Executive Council Ultrasonic Society of India • Founder, RAMAN International Conference Series • Life member of Ultrasonic Society of India. • Life member of Acoustics Society of India. • Life member of Luminescence Society of India. • Life member of Dr. Ambedkar Teacher's Welfare Association. • Resource Person in International Symposium on Ultrasonics (ISU-2015) Organized by the Department of Physics, RTM Nagpur University, Nagpur during 22-24 Jan. 2015. • Convener of National Conference on "Novel Synthesis of Advanced Materials & their Applications" (NSAMA – 2015) organized by Department of Physics, ACS College, Maregaon on 16th Feb. 2015. • Resource Person in International Conference on Ultrasonics and Material Science for Advanced Technology (ICUMSAT-2019) Organized by Institute of Physical Sciences Purvanchal University, Jaunpur during 16-18 Nov, 2019. • Resource Person in International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM-2020) Organized by RTM Nagpur University during 13-16 Feb, 2020. • Convener of National Webinar on Innovative Research & Quality Improvement Initiatives for Publication organized by Arts, Commerce & Science College, Maregaon on 07 May, 2020 • Member of National & International Advisers committees for National & International Conferences more than 25 • Convener of International Conference on Recent Advances in Material Science and Nanotechnology (RAMAN-2021) NTA OBSERVER: National Testing Agency MHRD, Government of India Appointed as Observer for conducting UGC-NET, JEE-Main & NEET Exams: UGC-NET Observer- 02 Times JEE-Main Observer - 03 Times NEET- 01 (Time)</p>
343	Mishra, Giridhar (Dr.)	Publication Secretary	<p>BIODATA AND ACADEMIC RESUME Dr. Giridhar Mishra Associate Professor, Department of Physics, Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research Veer Bahadur Singh Purvanchal</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>University, Jaunpur-222003, U.P., India Mob.: +91 9968120913, E-mail: giridharmishra@rediffmail.com Date of Birth : July 15, 1984 Educational Qualifications Degree Institute Year Division D.Phil.* (Physics) University of Allahabad 2009 (08-12-2009) M.Sc.(Physics) University of Allahabad 2006 First B.Sc. University of Allahabad 2004 First U.P. Board XIIth K.P. College, Pratapgarh 2001 First U.P. Board Xth K.P. College, Pratapgarh 1999 First *Title of the Ph.D. work- "Nondestructive Evaluations of Advanced Functional Materials" Teaching and Research Experience (More than 15 years) 2006 – 2010 Ph.D. student under the supervision of Prof. Dr. Raja Ram Yadav, Physics Department, University of Allahabad, JRF and SRF in DST sponsored project-'Synthesis and Ultrasonic Characterization of Advanced Materials' 2010 -2011 Guest Faculty, University of Allahabad, Prayagraj 2011-2018 Assistant Professor, Amity School of Engg. & Tech., Bijwasan, New Delhi – 110061, (November 01, 2011 to September 14, 2018) 2018-2019 Assistant Professor, Department of Physics, Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur-222003 (September 15, 2018 to December 23,2019) 2019 onwards Associate Professor, Department of Physics, Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur-222003 (December 23,2019 onwards) Paper published in refereed journals: 25 (List enclosed) Author of books published: 03 (List enclosed) Research Guidance: 02 Scholars are enrolled for PhD (01 JRF and 01 Assistant Professor) Academic Achievements ∞ Life Member- Ultrasonics Society of India (USI), Indian Association of Physics Teachers (IAPT), Materials Research Society of India (MRSI) and Institute of Applied Sciences, Allahabad, India ∞ "Young Scientist Award" by Ultrasonics Society of India in the year 2015 for his research work in the field of ultrasonics. ∞ Stipend from DAAD (German Academic Exchange Programme) for the International Conference 'POLYCHAR18'. ∞ Executive Council Member of USI, NPL, New Delhi ∞ Member-International Students Cell, VBS Purvanchal University, Jaunpur ∞ Convener- International Conference on Ultrasonics and Materials Science for Advanced Technology (ICUMSAT-2019), VBS Purvanchal University, Jaunpur during November 16-18, 2019 ∞ Co-Convener-National Symposium on Materials Characterization by Ultrasonics</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>(NSMCU-2012), Amity School of Engineering and Technology, Bijwasan, New Delhi during April 3-4, 2012. ∞ Academic visits of foreign countries- Presented research papers in Germany, Catholic University, Leuvan (Belgium), Madrid (Spain) and Kathmandu, Nepal. ∞ Secured highest marks in Laser & Spectroscopy specialization in M.Sc. Books Published (As Author/Editor) S.N. Book Title Type of Authorship ISSN/ ISBN No. Publisher (International/ National/ State/Govt. Publisher) 1. Thermal Physics: Kinetics theory and Thermodynamics Co-author 9781842659731 International (Alpha Science) 2. Thermal Physics Co-author 9788184874570 International (Narosa) 3. Ultrasonics and Materials Science for Advanced Technology Editor 9781783325467 International (Narosa) Chapters Published in Books: S.N. Title of Article/ Chapter with Page Nos. Book Title ISSN/ISBN No. Type of Book(Text/Reference/ Subject etc) 1. Elastic and Ultrasonic Properties of B1 and B2 Phase Boron Monopnictides Ultrasonics and Materials Science for Advanced Technology 9781783325467 Edited Book Awards:/ Fellowships S.N. Award /Fellowship Name Whether International/National Name of Academic body/ Association Year 1. Appreciation Letter (Teachers' Day) University Level Veer Bahadur Singh Purvanchal University, Jaunpur 2021 2. Young Scientist Award International USI and RTMNU, Nagpur 2015 3. DAAD Fellowship International Germany 2010 4. DST Travel fellowship National DST, New Delhi 2012 5. CSIR Travel fellowship National CSIR, New Delhi 2010 References Prof. Dr. Raja Ram Yadav, Former Vice Chancellor -VBS Purvanchal University, Jaunpur Head, Physics Department, University of Allahabad, Prayagraj-211002, India Phone :+91 532 2460987, E-mail: rryadav1@rediffmail.com Dr. T. Jayakumar, Outstanding Scientist, Former Director, Metallurgy & Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam- 603102 (Tamilnadu), India Phone: 044-27480232 (O), 9444886155 E-mail: jayakumar200@gmail.com Dr. Krishan Lal, FNA, Former President INSA and Former Director, National Physical Laboratory(NPL) Dr. K.S. Krishnan Road, Pusa complex, New Delhi, India Phone: 011 25836409 (R) E-mail: krish41ster@gmail.com Prof. Maria Cutroni Dipartimento di Fisica, Università di Messina, Salita Sperone, 31 - 98166 Messina – Italy Tel. +39 090 6765013, Fax +39 090 395004 E-mail: cutroni@unime.it List of Publications (In peer reviewed journals)- Dr. Giridhar Mishra 1. 'Ultrasonic properties of nanoparticles-liquid suspensions', R.R. Yadav, Giridhar Mishra, P.K. Yadawa, S.K. Kor, A.K. Gupta, Baldev Raj and T.</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>Jayakumar; Ultrasonics 48 (2008) 591-593. (ISSN 0041 – 624X) (Impact Factor: 2.598) 2. 'Ultrasonic wave propagation in nickel aluminide based ternary alloy', Giridhar Mishra and R.R. Yadav; Materials Science 5(2)(2009) 138-143. (ISSN 0974 - 7486) 3. 'Nondestructive characterization of a lyotropic liquid crystalline system', Giridhar Mishra, R.R. Yadav and S.K. Kor; Journal of Pure and Applied Ultrasonics 31 (2009) 31-35. (ISSN: 0256-4637) 4. 'Synthesis and ultrasonic characterization of nanofluid containing silver nanoparticles', A.K. Yadav, Giridhar Mishra and R.R. Yadav; Materials Science, 5(3)(2009) 237. (ISSN 0974 - 7486) 5. 'Synthesis and ultrasonic characterization of lyotropic liquid crystal', Giridhar Mishra, R.R. Yadav and S.K. Kor; Journal of Crystallization Physics and Chemistry 1(1) (2010) 73-78. (ISSN: 2229-5941) 6. 'Computations of ultrasonic parameters of lanthanide metals Ti, Zr and Hf', P. K. Yadawa, D. K. Pandey, D. Singh, R.R. Yadav and Giridhar Mishra; Turkish Journal of Physics 34 (2010) 1-9. (ISSN 1300 - 0101) 7. 'Nonlinear acoustical properties of ternary alloys', Giridhar Mishra, S.K. Verma and R.R. Yadav; Journal of Acoustical Society of India, 37 (2010) 130-138. (ISSN 0973 - 3302) 8. 'Nonlinear elastic properties and ultrasonic attenuation in Ni-Al-Cr', Giridhar Mishra R.R. Yadav, Baldev Raj and T. Jayakumar; Journal of Pure and Applied Ultrasonics. 33 (2011) 54-58. (ISSN: 0256-4637) 9. 'Ultrasonic wave propagation in californium mononictides', Rajkumar, D. Singh and Giridhar Mishra; Open Journal of Applied Sciences, 1(2011) 1-7 (ISSN: 2165-3925) 10. 'Synthesis and ultrasonic characterization of Cu/PVP nanoparticles- polymer suspensions', Giridhar Mishra, S.K. Verma, R.R. Yadav, D. Singh and P.K. Yadawa; Open Journal of Acoustics 1 (2011) 9-14. (ISSN: 2162-5786) 11. 'Linear and nonlinear optical properties of gold nanoparticles stabilized with polyvinyl alcohol', M. Hari, S. A. Joseph, N. Balan, S. Mathew, Ravi Kumar, Giridhar Mishra, R.R. Yadav, P. Radhakrishnan and V.P.N. Nampoori; Journal of Nonlinear Optical Physics & Materials, 20 (2011) 467-475. (ISSN: 0218-8635) (Impact Factor: 0.977) 12. 'Acoustic Wave Propagation in Nanocrystalline RuCo alloys', P.K. Yadawa, D. Singh, D.K. Pandey, Giridhar Mishra and R.R. Yadav; Advances in Materials Physics and Chemistry (AMPC) 1 (2011) 14-19. (ISSN: 2162-531X) 13. 'Non-linear Elastic Properties of Single-Walled Carbon Nanotubes', S.K. Verma, Giridhar Mishra, D.K. Pandey and R.R. Yadav; Advanced Materials Letters 3 (2012) 34-37. (ISSN: 0976-3961) 14. 'Elastic and Ultrasonic Properties of XBi</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>(X: B, Cm, and U)', Shiwani Kaushik, Devraj Singh and Giridhar Mishra; Asian Journal of Chemistry 24 (12) (2012) 5655-5658. ((ISSN:0970-7077) (Impact Factor: 0.540) 15. 'Synthesis and Ultrasonic Investigations of CuO-PVA nanofluids', V. Pandey, Giridhar Mishra, S. K. Verma, Meher Wan, R. R. Yadav; Materials Sciences and Applications 3(9) (2012) 664-668. (ISSN: 2153-117X) 16. 'Study of Copper/Palladium Nanoclusters using Acoustic Particle Sizer', Giridhar Mishra, D. Singh, P. K. Yadawa, S. K. Verma and R. R. Yadav; Platinum Metals Review (PMR) 57 (3) (2013) 186-191. (ISSN: 0032-1400, 1471-0676)(Impact Factor: 2.194) 17. 'Effect of Elastic Constants on the Ultrasonic Properties of Group VIB Transition Metal Diborides', P.K. Yadawa, S.K. Verma, Giridhar Mishra and R.R. Yadav; Journal of Nanotechnology and Advanced Materials 2(1) (2014) 1-9. (ISSN: 2090-9594) 18. 'Temperature dependent heat transfer performance of multi-walled carbon nanotubes- based aqueous nanofluids at very low particle loadings', Meher Wan, Giridhar Mishra, D. Singh, R.R. Yadav and B. Joshi; Johnson Matthey Technology Review (JMTR) 59(3) (2015) 199-206. (Impact Factor: 2.349)(ISSN: 2056-5135) 19. 'Characterization of Cu-PVA nanofluids: ultrasonic and thermal properties', V. Pandey, Giridhar Mishra, Meher Wan, D. Singh, A.K. Tiwari, R.R. Yadav and B. Mishra; Journal of Pure and Applied Ultrasonics 37(2-3) (2015) 33-38. (ISSN: 0256-4637) 20. 'Experimental investigation of thermal conduction in copper-palladium nanofluids', A.K. Jaiswal, Meher Wan, S. Singh, D.K. Singh, R.R. Yadav, D. Singh and Giridhar Mishra; Journal of Nano fluids 5 (2016) 01-06. (ISSN: 2169432X, e-ISSN Number :21694338) 21. 'Mechanical and thermophysical properties of Neptunium mononictides', D. Singh, S. Kaushik, S.K. Pandey, Giridhar Mishra and V. Bhalla; VNU Journal of Science: Mathematics -Physics 32(2) (2016) 43-53. (ISSN: 0866-8612) 22. 'Mechanical and thermophysical properties of europium monochalcogenides', V. Bhalla, D. Singh, Giridhar Mishra, and M. Wan; Journal of Pure and Applied Ultrasonics 38(1) (2016) 23-27. (ISSN: 0256-4637) 23. 'Temperature dependence of elastic and ultrasonic properties of sodium borohydride', D. Singh, Giridhar Mishra, Raj Kumar and R.R. Yadav; Communication in Physics 27(2) (2017) 151-164.(ISSN:0886-3166): https://doi.org/10.15625/0868-3166/27/2/9615 24. 'Ultrasonic Characterization of Intermetallic Compounds', A.K. Tiwari, Giridhar Mishra, D. Singh, P.K. Dhawan; Journal of Pure and Applied Ultrasonics (2019)Accepted for publication).</p>

Membership No.	Member Name	Nomination for post	Bio-data
			(ISSN: 0256-4637) 25. 'Pressure dependent ultrasonic properties of hcp hafnium metal', R.P. Singh, Shakti Yadav, Giridhar Mishra, D. Singh; Zeitschrift fur Naturforschung A 76(6) (2021):549-557 (ISSN: 0932-0784) (Impact Factor: 1.238) DOI:10.1515/zna-2021-0013 26. 'Mechanical and thermophysical properties of 4d-transition metal mononitrides', Shakti Yadav, R.P. Singh, Giridhar Mishra, D.Singh; Zeitschrift fur Naturforschung A (Accepted for publication) (ISSN: 0932-0784) (Impact Factor: 1.238) DOI:10.1515/zna-2021-0013
077	Gurmukh Singh	Treasurer	Worked in CSIR - NPL in the Ultrasonics Division for 10 years in the area of ultrasonic instrumentation, use of piezoelectric and magnetostrictive ferrite transducers for design & development of ultrasonic cleaners, vibrators, bio-medical probes, ultrasonic levitation, ultrasonic weighing balance for the blind and development of Ultrasonic Standards. My work, under the guidance of Dr. V N Bindal, resulted in publication of several research papers in National and International Journals. I am also actively involved in Ultrasonics Society activities. I served as Invited Member during 2016-18 and as Joint Secretary during 2019-21. I have also been Co-Chairman of the USI Committee for Industry Interaction during 2019-21. I have been regular in attending EC Meetings and also planned & conducted 1st online EC Meeting on 1st October, 2020 and issued approved MOM on 26th October, 2020
230	Rajakarthihan, S (Dr.)	Members	BIO-DATA 1.Dr. S. Rajakarthishan 2.M.Sc (Physics) 1990- Alagappa University 3.M.Phil (Physics) 1991- Alagappa University 4. Ph.D. - 2007 – Madurai Kamaraj University (Research area in Ultrasonic NDT) 5. Working as Asst. Professor of Physics, Thiagarajar College, Madurai from 2007. 6. Papers Published: 15 Papers in Journals . 12 in Conferences 7. Guided 16 M.Phil Students 8. 2 Ph.D., students under guidance and 1 awarded. 9.Awards: Received Dr. Parthasarathy award by Ultrasonic Society of India, in the Year 2008. 10.Life Member of Ultrasonic Society of India, New Delhi and ISTE 11. Teaching Experience: 30 Years 12. Staff-Coordinator and setup First Ultrasonic Society of India Student Chapter in Our College in the year 2018. 13. Attended and presented papers in NDE-2009, NDE-2011, NSU-XIX, and NSU -XX 14. Organizing Committee of National Symposium of Ultrasonics (NSU) - NSU - XVIII at VIT University in 2009. 15. Presented paper National Seminar on Materials Characterization by Ultrasonics

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			(NSMCU) -2012 by Amity School of Engineering and Technology, New Delhi.
255	Sakthipandi, K (Dr.)	Members	<p>Dr. K. Sakthipandi, Associate Professor of Physics, SRM TRP Engineering College, Tiruchirappalli 621 105. Dr. Sakthipandi has made enormous and innovative contributions to materials characterization using on-line Ultrasonic techniques and other conventional techniques. He published more than 82+ research papers in peer-reviewed Journals. He was co-authored in three research books. He has also attended more than 140+ National and International Conferences both in India and abroad. In order to acquaintance with research, he is doing a lot of collaborative research works with many leading research laboratories in India. Under his able guidance, 2 scholars have completed their doctoral degrees and 4 scholars are pursuing their Ph.D. degrees. He is a member of the Board of Studies and Doctoral Committee in different Universities in India. Presently, he is working in the areas of magnetic oxides for different applications, Nanoferrites from electromagnetic shielding, and Nano perovskite for energy storage applications. Along with different characterization studies, he has developed an indigenous high-temperature ultrasonic facility to ultrasonic velocity/attenuation as a function of temperature.</p> <p>The first part of his work is to design and fabricate an indigenous experimental set-up for on-line ultrasonic velocities/attenuation measurements at an elevated temperature from room temperature (300 K)</p>

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			<p>to 1200 K. This NDT technique is a versatile tool used for understanding the various physical phenomena like phase transformation, precipitation, nucleation, austenite revision, etc., in materials over a wide range of temperature. This technique facilitates not only bulk materials and also extended to nanomaterials. The on-line measurement was carried out in different samples such as bulk and nano perovskites and maraging steel. This experimental set-up is used to explore the microstructural changes in various materials over a wide range of temperatures. The facility was developed with the support of the Board of Research in Nuclear Science and Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, India. It is a unique facility and the first of its kind in India and the same was acclaimed in the Journal of Alloys and Compound (Volume 509, Issue 8, 2011 pp. 3457-3467) and the Acoustical Society of India Newsletter on Page 2, volume 65, 2010.</p> <p>He has received many laurels and awards from National Scientific Societies such as Visiting Research Scientist Fellowship from Indian National Science Academy (2-times, 2014 & 2019) Summer Research Fellowship from Indian Science's Academies, (3-times, 2004, 2016 & 2019), International Student Fellowship Award from Acoustical Society of America (ASA), Maveeran Sundaralingam Award from Madurai Kamaraj University, Best Research Paper Award on Structural Acoustics from Madras India Regional Chapter – ASA, Best oral presentation</p>

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			<p>Award from Acoustical Society of India, Visiting Scientist Fellowship from JNCASR, Bangalore, Best Poster Award from Materials Research Society of India, Mumbai and Dr. TK Saxsena Memorial Award and Dr. Parathasarathy Memorial Award from Ultrasonic Society of India for the best thesis and best paper respectively. Dr. Sakthipandi scored 773+ citations with h-index 18 and i-10 index 30. I have completed 2 sponsored research projects as Principal Investigator (total cost ~42 Lakhs).</p>
206	Gupta, Alok Kumar (Dr.)	Members	<p>Brief Profile of Dr. Alok Kumar Gupta Regional Director NIOS, Ministry of Education, Govt. of India Regional Centre, Hyderabad (Telangana) Dr. Alok Kumar Gupta joined NIOS as an Academic Officer (Physics) at Headquarters, NOIDA and presently holding the charge of Telangana State as Regional Director. He did excellent service towards the education and caters the need of marginalized and unprivileged group in entire Uttar Pradesh, Kerala, Lakshadweep & Andhra Pradesh as Regional Director. He made a mentor role to enlighten and educate the learners of different parts of the country. He received his Bachelor of Science (B.Sc.), Master of Science (M.Sc.) & Doctor of Philosophy (Ph.D.) degree in the field of Ultrasonics, Materials Science and Nano-Science from University of Allahabad (A Central University), Prayagraj (Uttar Pradesh) in collaboration with IIT Kharagpur (WB), & Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamil Nadu, INDIA. Alongwith these, Dr. Gupta has received Post Graduate Diploma in Distance Education (PGDDE) from Indira Gandhi National Open University (IGNOU), New Delhi, INDIA. Before joining NIOS, Dr. Gupta has served as an Assistant Professor (Physics) in CSJM University, Kanpur (Uttar Pradesh) and Mody University of Science and Technology, Lakshmanagarh, Sikar (Rajasthan). He has supervised 15 Master of Philosophy (M. Phil.) students for their thesis and 35 Bachelor of Science (B.Sc.) students for their projects. His areas of interest are Acoustical & Ultrasonic study of solid and liquid materials, development of self learning materials thorough print as well as</p>

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			<p>electronic medium. He is Executive Council Member of ASI, USI, MRSI & IAPT of New Delhi. He is also life member of various national bodies. He is a recipient of "Young Scientist Award" by "Acoustical Society of America", USA (India Chapter), Bharat Jyoti Award by IISF, New Delhi and "Special Award" by Cabinet Minister, Government of India. Dr. Gupta is a Lesson Writer, Editor, Resource Person & Presenter of Physics, Science and Technology & Mathematics subjects in NIOS curriculum. He has delivered various lectures in the field of Physics, Science and Technology, Popularization of Science and other academic programmes on Gyan Darshan (An Educational Channel of Government of India) and Web Radio worldwide through i-radio in public and learners' interest. He is National Expert & Jury Member of INSPIRE Programme, India International Science Festival (IISF) DST, Ministry of Science & Technology, New Delhi. He worked as an expert and LPC member at IGNOU, RC-Cochin. Dr. Gupta has given various keynotes & talks at Cochin University of Science and Technology (CUSAT), Kochi, Income Tax Department, Kochi, The Fertilisers and Chemicals Travancore Limited (FACT), Ministry of Chemicals & Fertilisers, Cochin, Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Ministry of Fisheries, Animal Husbandry and Dairying (Department of Fisheries), GoI, Ernakulam, Dhakshina Bharat Hindi Prachar Sabha (Kerala), Ernakulam, Amity University, Jharkhand, Ranchi, Sharda University, Gr. NOIDA, VBS Purvanchal University, Jaunpur, Dr. SPM Govt. Degree College, Bhadohi (U.P.), Amar Ujala, Uttar Pradesh, Sarvhit Sanstha Harit Paryay, Uttar Pradesh (FB Live), National Research Institute of Unani Medicine for Skin Disorders, Ministry of Ayush, Govt. of India, Hyderabad, Secunderabad Cantonment Board, Hyderabad, EDUtech ASIA, Singapore, EDUtech INDIA, Shaheed Rajguru College of Applied Sciences for Women, Delhi University, Delhi, SSK Post Graduate Degree College, University of Allahabad, Prayagraj, Gurushala, Pratham Education Foundation, New Delhi, Global Energy Parliament, NYK, Ministry of Youth Affairs and Sports, Govt. of India, Hyderabad and various CBSE Schools. He has vast experience of teaching, research, distance education as well as administration. Dr. Gupta is well known figure in the field of research for Science and Technology, Physics & Distance Education. He has published more than 40 research papers and articles in the repute of international/national journals. Dr. Gupta has session chaired & delivered many educational Invited Talks/Lectures in various</p>

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			conferences/symposia/seminar/webinar etc. He is Reviewer of Journal of Pure and applied Ultrasonics, India. Dr. Gupta is popular for his simplicity and practical approach to vital issues of academics and administration.
022	Jain, Sushil Kumar (Dr.)	Members	Chief Editor, Journal of Pure and Applied Ultrasonics. Earlier served as General Secretary and Publication Secretary
159	Shrivastava, Sanjeev Kumar (Dr.)	Members	<p>NAME Dr. S. K. SHRIVASTAVA PRESENT POSITION Associate Professor AFFILIATION Department of Physics, Institute of Basic Sciences, Bundelkhand University, Jhansi-284 128 (UP) India. Mobile: +91 9415055565; Fax: 0510 2320761 E-mail id: sanjeev@bujhansi.ac.in; sksphys7@gmail.com DATE OF BIRTH 15 August 1978 TEACHING EXPERIENCE 21 Years RESEARCH EXPERIENCE 19 Years R & D ACTIVITIES Scientific Books-20 Literature Book-01 Papers Published-34 Papers in Proceedings-49 Invited Talk-10 Convened Symposia/Conferences/Scientific Events-20 Conferences Attended-36 Papers presented in conferences-24 Ph.D. Thesis Guided-05 Ph.D. Thesis Under guidance-03 M.Phil. Thesis Guided-33 Abroad Visited- (1) Poland for ICU-2011 in September 2011 (2) Italy for SAPEM-2011 in December 2011 Awards/Fellowships/Merits-12 Scientific Association- 13</p>
305	Soni, Kirti (Dr.) (Mrs.)	Members	Dr. (Mrs.) Kirti Soni, M.Sc. (Physics) and Ph.D. in Physics (Applied Optics) from Dr. H. S. Gour University, Sagar, (M.P.) India, 2004. Having 15 years of Research Experience in the field of Acoustics and Ultrasonics such as in Design and

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			<p>development Ultrasonic Interferometer, Fabry-Perot Interferometer and non destructive Techniques for optical parameter measurement of liquid and solids. Having experience in development and installation of range of SODAR system(Mini SODAR, Dopplar SODAR, Monostatic SODAR), Air and noise pollution modeling, Aerosol and Solar Radiation interaction studies through ground based measurements and satellite Data and using Radiation Transfer, Aerosol Model. Working as a Treasurer of Acoustical Society of India (ASI) and Ultrasonic Society of India(USI). EC member of USI and ASI. Life member IASTA, ASI, MSI and USI. Have more than 80 publications in the field of Acoustics, Ultrasonics, Remote sensing. Editor of Journal Acoustical Society of India and International Journal of Applied Mathematics and Machine Learning .</p>
302	Wan, Meher (Dr.)	Members	<p>Dr. Meher Wan is a scientist at CSIR-National Institute of Science Communication and Policy Research, New Delhi. He did his PhD from University of Allahabad and was an Institute-post doctoral fellow at IIT-Kharagpur. He has been actively involved in setting up Micro/Nano-Robotics and Fabrication Facility at Advanced Technology Development Centre, Indian Institute of Technology Kharagpur. He has expertise in electron microscopy, micro-nano-fabrication technologies like Focused Ion Beam lithography, Electron beam lithography and Two photon polymerization based 3D lithography etc including micro-robotic manipulation. He is an associate Editor: Science Reporter (Popular Science Magazine), Editor: Indian Journal of Pure and Applied Physics (IJPAP), former editor: Indian Journal of Engineering and Materials Science (IJEMS). He has written/translated several books including "Takniki Yug me Adwitiy Pahchan" on ambitious project of AADHAR which was released by Hon. Dr. APJ Abdul Kalam in 2012.</p>

Membership No.	Member Name	Nomination for post	Bio-data
341	Garg, Naveen (Dr.)	Members	<p>Name: Dr. NAVEEN GARG 2. Father's name: Sh. B. R. GARG 3. Date of birth: 15th April, 1979 4. Educational Qualifications: S. No. Degree/ Certificate Name of University/ Board Year of Passing Percentage/ Grade Subject Remarks 1. Doctor of Philosophy (PhD) in Mechanical Engineering Delhi Technological University, Delhi January, 2016 8.50 C.G.P.A* (Out of 10) Mechanical Engg. with specialization in Noise Control Engineering PhD topic – Investigations on modeling transportation noise and passive noise control measures for its abatement 2. Masters in Technology (M. Tech) Indian Institute of Technology (IIT), Delhi 2001-2003 7.98 C.G.P.A (Out of 10) Mechanical Design with specialization in Acoustics and Vibrations Successfully cleared Graduate Aptitude Test in Engineering in year 2001 with All India Rank-105 and 98.7 Percentile due to which Scholarship was awarded by Ministry of Human Resources Development, India 3. Bachelor in Engineering (B. E) (Mechanical) State College of Engineering, (C.R.S.C.E, Murthal), Haryana, India 1997-2001 75.6 % Aggregate with Honours Mechanical Engineering Awarded B.E with Honours Degree *C.G.P.A - Cumulative Grade Point Average 5. Present Designation Principal Scientist CSIR-National Physical Laboratory, New Delhi-110012., India. 6. Date of Joining National Physical Laboratory: 29th July, 2004. New Delhi & Total experience in Metrology 15 years of working experience in Acoustics and Vibration Metrology 7. Present office Address / Tel. no./ e-mail / Fax: Acoustics and Vibration Standard CSIR-National Physical Laboratory. New Delhi - 110 012, India. Mob. 09868377370, 9643290482 E-mail: ngarg@nplindia.org 8. Present Home Address TRSA 78, NPL Colony, New Rajinder Nagar, New Delhi – 110 060, India. Tel. No. 09868377370, 9643290482. 9. Present Job Description: S. No. Position Year of Joining Job Description (general and in brief)/Mandate of Work 1 Principal Scientist & Associate Professor (AcSIR) 29-07-2015- Till date • Maintenance and Up-gradation of Primary Standards of Sound Pressure and Vibration Amplitude • R&D in reducing measurement Uncertainty in Primary and Secondary sound and vibration standards • Providing Calibration Services in field of Sound and Vibration parameter for strengthening the traceability chain throughout the country • Validation and Recognition of NPL, India Calibration and Measurement Capabilities by Participation in International Key Comparisons with other NMIs • Sound Transmission Loss Measurements in Reverberation Chambers, R&D on Development of highly sound insulative materials for Noise</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>abatement and Control and Reducing Measurement Uncertainty in Sound Transmission Loss testing • Sound Power Level and Sound Intensity Mapping in Anechoic Chambers and using Sound Intensity Probe for Machinery Noise & Vibration Diagnostics and Certifications • Environmental Impact Assessment Studies in respect of Noise and Vibration Abatement and Control • Field Noise and Vibration Measurements and Certifications</p> <p>2 Senior Scientist 29-07-2011 – 28.07.2015 3 Scientist 29-07-2007 to 28-07-2011 4 Junior Scientist 29-07-2004 to 28-07-2007</p> <p>10. Specialized trainings undertaken in the field: • Successfully cleared “Technical Assessor Examination” after completing the course of “Laboratory Assessor Course as per ISO/IEC 17025:2005” organized by National Accreditation Board for testing and calibration (NABL), India from dated 08.10.2007 to 12.10.2007 . • Attended “APMP Workshop on Reciprocity Calibration for Microphones & its Uncertainty Analysis” from 19th to 21st November, 2007 at Tangerang, KIM-LIPI, Indonesia • Selected by JICA & TICA for 3rd Country Training Programme on Strengthening of Measurement Standards Institutes of Asia Pacific Countries in field of Vibration Metrology from 11th October to 21st November, 2009. • Attended 3 days Intensive Course on “Noise Control for Automotive and Industrial Applications” from 17th to 19th August, 2009 at Indian Institute of Science (IISc), Bangalore. • Attended Spektra Secondary Vibration Calibration System, CS18 MF Training from 2nd to 3rd September., 2009 at Spektra GmbH, Dresden, Germany & Delivered Lecture at NIM calibration Specialist meeting on 4th September, 2009 on “Advances in Vibration Metrology: National & International perspectives.</p> <p>11. Visits abroad: Country Purpose Time duration Indonesia APMP Workshop on Microphone Calibration by Reciprocity Technique Five days workshop organized by APMP in October, 2007 Germany Training on Secondary Vibration Calibration system Five days training at Dresden, Germany in September, 2009 Thailand Training on Vibration Metrology 11th October, 2009 to 21st November, 2009 Germany Guest Scientist at PTB, Germany Three Months (August, 2010 to October, 2010) Germany Invited Talk on 20th International Conference on Traffic Noise at Dresden, Germany 29th September to 2nd October, 2011</p> <p>12. Members of important professional society: 1. Life Member, Acoustical Society of India. 2. Life Member, Metrology Society of India. 3. Life Member, Ultrasonic Society of India. 13. References 1. Dr. Sagar Maji Professor, Mechanical Engg Department Delhi</p>

Membership No.	Member Name	Nomination for post	Bio-data
			Technological University Delhi – 110 042 E-mail: smaji333@gmail.com
108	Poongodi, J (Dr.) (Mrs.)	Members	<p>CURRICULUM VITAE 1. NAME: Dr. J.POONGODI 2. ADDRESS IQAC Coordinator, Associate Professor, Department of Physics, Kamaraj College, Thoothukudi-628003, Tamilnadu, India Mobile: +91-9940951913 Mail id: poongodinagaraj@gmail.com, jpp6research@gmail.com, 3. ACADEMIC QUALIFICATIONS: M.Sc (Physics) in Alagappa University, Karaikudi, Tamilnadu. M.Phil (Materials Science) in Alagappa University, Karaikudi, Tamilnadu. Ph.D. (Physics) in Alagappa University, Karaikudi, Tamilnadu. 4. EMPLOYMENT RECORD: *31 Years 9 years In Meeco Schlenk Engg.College, Sivakasi (Oct 1991 – July 2000) From July 2000 to till date in Kamaraj College, Thoothukudi. 5. AREAS OF RESEARCH: Dielectric & Ultrasonic Studies of liquids and liquid mixtures Atmospheric pollution and related studies Nano Science & Technology 6. ACADEMIC ACHIEVEMENTS: Gold Medal for University I Rank in M.Phil. Young Scientist Fellowship by TNSCST, Chennai, during 1999 – 2000. Summer Research Fellowship awarded by Indian Academy of Sciences, Bangalore, during May-June, 2014, at Indian Institute Tropical Meteorology, Pune. SELECTED SPONSORED RESEARCH PROJECTS: TITLE: Physico-chemical Studies of organic liquids at different Temperature ♣ Principal Investigator ♣ AMOUNT: Rs.2.00 Lakhs ♣ DURATION: 2013- 2015(2 Years) ♣ SPONSOR: UGC (Minor Research Project) TITLE: Monitoring and Dissemination of data from the Wave Rider Buoy and compare the Physico-Chemical parameters along the Tuticorin Coastal Water ♣ Co-Principal Investigator ♣ AMOUNT: Rs.12.00 Lakhs ♣ DURATION: 2014-2017 (3 years) ♣ SPONSOR: INCOIS (Major Research Project) BOOKS PUBLISHED: 03 NUMBER OF SEMINARS/CONFERENCES CONDUCTED : 10 SEMINARS/ CONFERENCES/ RESOURCE PERSON PARTICIPATED IN NATIONAL LEVEL: 95 RESEARCH GUIDANCE: • Ph.D Guiding: 06 • M.Phil Guided: 21 PAPERS PUBLISHED IN INTERNATIONAL / NATIONAL JOURNALS: 45 PAPER PRESENTED IN INTERNATIONAL / NATIONAL CONFERENCES: 40 MEMBERSHIP IN ACADEMIC BODIES AND EDITORIAL BOARDS: • Life member in Indian Society for Technical Education, New Delhi.(LM9649) • Life fellow in Ultrasonic Society of India, New Delhi.(LF 108) • Life member in Indian Physics Association, Mumbai.(Gen/LM/11200) • Life</p>

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			<p>member in Tamilnadu Swadesh Congress Movement,Karaikudi. • Life member in Quality Circle Forum of India, Hyderabad.(044499000879) • Life member in Acoustical Society of India, New Delhi.(LM549) • Life member in Theme Centered Interaction – India, Calicut.(LM0014) – Member, Editorial board in Journal of Pure and Applied Ultrasonics (JPAU) – Member, Editorial board in Kamaraj Journal of Academic Research (KJAR) – Member, Board of Studies in SRNM College, Sattur (January 2019- till now) – Member, Board of Studies in Manonmaniam Sundaranar University, Tirunelveli (January 2020- till now)</p> <p>OTHER EXTRA CURRICULAR ACTIVITIES: – Invited Talks and Guest Lectures: More than 35 – Talks in All India Radio (AIR): More than 15 – Master Trainer – Training of Trainers on Police Well Being: Tamilnadu Police Department till December 2019</p>
303	Dhawan, Punit Kumar (Dr.)	Members	<p>Dr. Punit Kumar Dhawan working as an Assistant Professor in the Department of Physics, Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study & Research, VBS Purvanchal University, Janupur, UP- 222003 since 09/2018. Dr. Dhawan completed his post graduate in Physics in 2012 and Ph.D. degree in the field of Ultrasonics and Materials Science in 2017 under the supervision of Prof. Dr. Raja Ram Yadav from University of Allahabad, Prayagraj. His research interests are Synthesis of Polymer Nanocomposites and their thermal properties, ND Characterization of semiconducting nanowires and Thermoelectric materials, Ferrite materials, Nanofluids. Dr. Dhawan has published more than 15 research papers in high impacted national/international reputed journals. He has published more than 3 research papers in conference proceedings. Dr. Dhawan presented his research work more than 18 national/international conferences. Dr. Dhawan received several award and fellowships from different reputed organizations like he has received Dr. S. Parthasarthy Memorial Award by Ultrasonic Society of India in 2019, T. K. Saksena best thesis award by Ultrasonic Society of India in 2017, Dr. M. Pancholy best research paper award by Ultrasonics Society of India-2015, Rastrapati Award in Bharat Scout and Guide as a Rastrapati Scout in 2004, Rajyapal Puruskar in Bharat Scout and Guide in 2003., SARC/Special Scout/Guide NIC, Participation as a Representative of Uttar Pradesh in 2003, Travel Fellowship from DST, SERB, Govt. of India to present the research work in Warsaw, Poland in 2015. Dr. Dhawan is also</p>

Membership No.	Member Name	Nomination for post	Bio-data
			<p>member of different professional bodies. He is Member of The Indian Science Congress Association (SLM538), Member of Indian Academy of Social Sciences (ISSA/1825), Life Member of Ultrasonics Society of India (LM303), Life Member of Indian Association of Physics Teachers.</p>
074	Agarwal, Ravinder (Dr.)	Members	<p>Dr Ravinder Agarwal is currently Professor in Electrical and Instrumentation Engineering Department at Thapar University, Patiala. He did his schooling, graduation and post-graduation from HP Board, HP University, Shimla. He did his Ph.D. from HP University, Shimla and carried out his work at CSIR-National Physical Laboratory, New Delhi in 1991. Dr. Agarwal has more than thirty three years of research experience in the area of Biomedical Instrumentation. He has published more 125 research papers in reviewed international journals of repute, 200 research publications in national and international conferences and about 10 papers in IEEE Explore Conference to his credit. He has five book chapters in Springer / Taylor & Francis. He has completed seven research projects and two is near completion. Till now he has guided 19 Ph.D. thesis and 33 ME/MTech/MS/MDS dissertations.</p>