

PUBLICATIONS LIST OF TÜBİTAK ULUSAL METROLOJİ ENSTİTÜSÜ (UME)
IN THE FIELD OF ACOUSTICS, ULTRASOUND AND VIBRATION
(Updated September 1, 2025)

1. B. Karaböce, H.O. Durmuş, E. Başaran, G. Güler, **Establishment of Medical Metrology Laboratory for Azerbaijan National Metrology Institute**, National Optimum Science Conference 2024 (OPSCON), İzmir, 14-15 December 2024, 2 p.
2. D. Rodrigues, E. Sandermann Olsen, O. Llamas, D. Dobrowolska, Z.M. Defilippo Soares, W. Cho, C. Hof, C. Thomas, L. Dickinson, K. Yamada, H. Takahashi, R. Nel, P. Hanes, E. Sadıkoğlu, S. Kolesov, D. Golovin, **Final report on the key comparison CCAUV.A-K6**, Metrologia, 60:1A (2023) : Article Number 09001
3. J. Winther, T. Bruns, A. Schiavi, E. Bilgiç, M. Prasil, S. Hynek, Z. Sieda, S. Ruiz, A. Canu, F. Alsubaey, C. Hof, H. Andersson, **Final report on the EURAMET key comparison EURAMET AUV.V-K5**, Metrologia, 60:1A (2023) : Article number 09002
4. H. O. Durmuş, B. Karaböce, E. Arı, M. Y. Seyidov, **Opto-Acoustical Characterization of Phantoms**, Azerbaijan Journal of Physics / AJP Fizika, XXIX:2 (2023): 11-18
5. B. Karaböce, H.O. Durmuş, **Verification of Ultrasound Imaging Phantoms: An Evaluation Study**, Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON) and International Conference on Medical and Biological Engineering (CMBEBIH), Sarajevo, Bosnia and Herzegovina, 14-16 September 2023, IFMBE Proceedings, volume 94, doi: 10.1007/978-3-031-49068-2_14 (2024): 120-131
6. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, **Digital Transformation in Acoustical Metrology**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
7. E. Bilgiç, **Electrical Calibration of Microphone Preamplifiers in the Frequency Range 0,5 Hz – 25 kHz**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
8. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, **Evaluation of Personnel Performing Calibration in the Field of Acoustics and Vibration Against the Requirements of TS EN ISO/IEC 17025 Standard**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
9. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Qualification Tests of Free-field Acoustical Environments**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
10. H.O. Durmuş, B. Karaböce, **Photoacoustic Effect and Its Applications**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
11. B. Karaböce, E. Arı, M. Özdingiş, H.O. Durmuş, **Investigation of the Efficacy of Ultrasonic Cleaning Baths: Ultrasonic Pressure Field Measurements**, 15th National Acoustics Congress, Edirne, 2 - 3 November 2023 (in Turkish)
12. N. Karaca, I. Ozsev Yuksek, N. Ucar, A. Onen, C. Kırbaş, **Sound Absorption and Thermal Insulation Properties of Composite Thermoplastic Polyurethane/Polystyrene (TPU/PS) Nanofiber Web and TPU Nanofiber Web and PS-Extracted TPU/PS Microfiber Web**, Journal of Industrial Textiles, 51:5 Supp. (2022) : 7963S - 7982S

13. P. Rosenkranz, D. Virovska, M. Prasil, L.F. Ribero, A.K. Maina, C. Hof, J. Hämäläinen, T. Bruns, E. Sadıkoğlu, **Final Report on the Supplementary Comparison EURAMET.AUV.V-S1**, Metrologia, 59:1A (2022) : 1-71
14. S. On Aktan, E. Bilgiç, T.K. Veziroğlu, **Rate Accuracy and Stability Tests of Multi-Axis Turntables by Using Universal Counters**, IMEKO 24th TC3, In Proceedings of 14th TC5, 6th TC16 and 5th TC22 International Conference, Dubrovnik (11-13/10/2022): 4 p.
15. B. Karaböce, **Acoustic Coupler and Measurements Designed for Newborn Hearing Tests**, 2022 Medical Technologies Congress (TIPTEKNO 2022), Antalya, 31 October - 2 November 2022, doi: 10.1109/TIPTEKNO56568.2022.9960179 (2022), Article Number: 9960179 (in Turkish)
16. D. Bingöl, G. Sürücü, B. Karaböce, **Temperature Measurement Techniques in Ultrasonic Hyperthermia in Cancer Treatment**, 2022 Medical Technologies Congress (TIPTEKNO 2022), Antalya, 31 October - 2 November 2022, doi: 10.1109/TIPTEKNO56568.2022.9960210 (2022), Article Number: 9960210 (in Turkish)
17. H. O. Durmuş, C. Birlikseven, C. Karaböce, M. Seyitsoy, **Investigation of Photoacoustic Effect on Different Materials**, 2022 Medical Technologies Congress (TIPTEKNO 2022), Antalya, 31 October - 2 November 2022, doi: 10.1109/TIPTEKNO56568.2022.9960208 (2022); Article Number: 9960208 (in Turkish)
18. B. Karaboce, B. Balkan Apaydin, G. Surucu, B. Dogukan, **Temperature Measurement Methodologies in Ultrasound Hyperthermia for Cancer Treatment**, In Proceedings of 2022 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), 16-19 May 2022, doi:10.1109/I2MTC48687.2022.9806709 (2022) : 1-6
19. H.O. Durmuş, M.Y. Seyidov, **Photoacoustic Effect Studies Carried Out on Tissue-Mimicking Phantoms**, Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences, 9:22 (2022) : 62-82
20. B. Karaböce, **Evaluation of Acoustic Coupler for Audiometric Tests of Newborns**, In Proceedings of 17th IEEE International Symposium on Medical Measurements and Applications (MeMeA 2022), Messina, 22-24 June 2022, doi: 10.1109/MeMeA54994.2022.9856492 (2022): 1-6
21. N. Karaca, İ. Ö. Yüksek, N. Uçar, A. Önen, M. Baydoğan, C. Kırbaş, **Experimental Analysis of Sound Absorption Effect of Specially Developed Elastomeric Thin Thermoplastic Polyurethane Sub-Micron Fibre Web Layers Placed on Rigid Layer and Flexible Layers**, Plastic Rubber and Composites, 10.1080/14658011.2021.1926746 (2021):1-10
22. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Determination of K₂ Environmental Correction in Acoustic Test Rooms**, 14th National Acoustics Congress, İstanbul, 7-8 October 2021 (in Turkish)
23. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, **Strengthening the Metrological Traceability Basis for Audiological Measurements**, 14th National Acoustics Congress, İstanbul, 7-8 October 2021 (in Turkish)
24. E. Bilgiç, **Standards Used in Earthquake Tests and Comparison of Their Contents**, 14th National Acoustics Congress, İstanbul, 7-8 October 2021 (in Turkish)

25. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, **Overview of Setups for Determination of Basic Parameters of Seismometers**, 14th National Acoustics Congress, İstanbul, 7-8 October 2021 (in Turkish)
26. N. Karaca, İ. Ö. Yüksek, N. Uçar, A. Önen, C. Kırbaş, **Sound Absorption and Thermal Insulation Properties of Composite Thermoplastic Polyurethane/Polystyrene (TPU/PS) Nanofiber Web and TPU Nanofiber Web and PS-Extracted TPU/PS Microfiber Web**, Journal of Industrial Textiles, vol.0 (0), 2021: 1-20
27. H.O. Durmuş, B. Aydemir, E. Arı, B. Karaböce, **Investigation of Effects of Tungsten on Acoustic Impedance by Calculating Sound Velocities from Elastic Modulus Approach**, Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences, 8:17 (2021): 150-159
28. N. Gün, B. Karaböce, S.U. Yurdalan, **Characterization of Muscle Phantom Used in Calibration of Physiotherapy Ultrasound: Measurement of Acoustic Parameters of Phantom (2020)**, IEEE International Symposium on Medical Measurements and Applications (MeMeA 2021), Lausanne, 23 - 25 June 2021
29. H.O. Durmuş, E. Arı, B. Karaböce, M.Yu. Seyidov, **Investigation of Temperature Effects of a 635 nm Low Power Solid-State Diode Laser on Zerdine Phantom Using Two Different Thermocouples**, European International Journal of Science and Technology, 9:11 (2020): 37-49
30. H.O. Durmuş, F. Sametoğlu, B. Karaböce, M.Yu. Seyidov, **Investigation of Macroscopic and Microscopic Optical Properties of Agar-Based IEC Phantom**, Middle East International Conference on Contemporary Scientific Studies-V, Ankara 27-28 March 2021
31. H.O. Durmuş, E. Arı, B. Karaböce, M. Yu. Seyidov, **Safety Assessment of a 635 nm Low-Power Solid State Laser on Zerdine Phantom**, 5th International Hippocrates Congress on Medical and Health Sciences, 18 – 19 December 2020
32. H.O. Durmuş, E. Arı, B. Karaböce, M.Yu. Seyidov, **Investigation of Temperature Effects of a 635 nm Low Power Solid-State Laser on Tissue-Mimicking Materials Using Two Different Thermocouples**, 9th International Conference on Engineering and Natural Sciences (ISPEC), Ankara 13 -15 November 2020
33. B. Karaböce, M. Özdingiş, **PugCal Calibration Software for PUG-02 Model Portable Ultrasonic Powermeter**, Innovations in Intelligent Systems and Applications Conference (ASYU 2020) İstanbul, 15-17 October 2020
34. H.O. Durmuş, E. Arı, B. Karaböce, M.Yu. Seyidov, **Opto-Acoustical Characterization of Phantoms**, International Hazar Scientific Researches Conference-I, Baku, 18 – 20 September 2020
35. S.Ö. Aktan, E. Bilgiç, A.İ. Yüksel, K. Sönmez, T.K. Veziroğlu, T. Torun, **Interlaboratory Comparison Results of Vibration Transducers Between TÜBİTAK UME and Roketsan**, Acta IMEKO, 9:5 (2020): 401-406
36. B. Karaböce, **Force Sensitivity Determination of Artificial Mastoid used for Audiometric Bone-Conduction Measurements**, 15th IEEE International Symposium on Medical Measurements and Applications (MeMeA 2020) Bari, 1-3 June 2020
37. H.O. Durmuş, S. Kocaata, G. Naz, Y. Celik, E. Cetin, B. Karaböce, M.Yu. Seyidov, **Investigation of Basic Optical Properties of Tissue Phantoms under 635 nm Low-**

- Level Laser Irradiation**, 15th IEEE International Symposium on Medical Measurements and Applications (MeMeA 2020) Bari, 1-3 June 2020
38. B. Karaböce, S. Nur, A. Şahin, **High Intensity Focused Ultrasound Pressure Field Characterization**, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), Dubrovnik, 25-29 May 2020
 39. B. Karaböce, S. Nur, A. Şahin, **High Intensity Focused Ultrasound (HIFU) Pressure Field Characterization**, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), Dubrovnik, 25-29 May 2020
 40. B. Karaböce, M. Ozdingiş, A. Mutlu, H.O. Durmuş, E. Çetin, **Ultrasonic Power Calculation by Linear Regression Method**, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), Dubrovnik, 25-29 May 2020
 41. E. Çetin, O. Orun, B. Karaböce, O. Kılınç, H.O. Durmuş, **Temperature Effect of HIFU with Thermal Dose Estimation**, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), Dubrovnik, 25-29 May 2020
 42. H.O. Durmuş, E. Çetin, B. Karaböce, M.Yu. Seyidov, **Measurements of Temperature and Optical Power Caused by an IPL Therapy Device on an Artificial Tissue**, Results in Optics, 1(2020): 100001
 43. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, İ. Coşkun, S. Beşiroğlu, **Extension of Calibration Capabilities of TÜBİTAK UME in the field of Acoustics and Vibration**, The 9th National Metrology Congress, 20 – 22 November 2019, İzmir, Türkiye (In Turkish)
 44. E. Sadıkoğlu, E. Bilgiç, **Metrological Traceability Issues in Hearing Assessments**, The 9th National Metrology Congress, 20 – 22 November 2019, İzmir, Türkiye (In Turkish)
 45. E. Bilgiç, G. Gülmez, **Determination of Influence of Microphone Capacitance on the Frequency Response of Microphone Preamplifiers**, The 9th National Metrology Congress, 20 – 22 November 2019, İzmir, Türkiye (In Turkish)
 46. E. Çetin, B. Karaböce, H.O. Durmuş, **Determination of Acoustic Parameters of Tissue-Like Materials**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Türkiye (in Turkish)
 47. C. Kırbaş, R.M. Gaviolo, D. M. Ripa, **Primary Thermometry Based on Speed of Sound Measurements**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Türkiye
 48. E. Sadıkoğlu, E. Bilgiç, **Improvement of National Standard of Sound Pressure Unit**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Türkiye (in Turkish)
 49. E. Sadıkoğlu, E. Bilgiç, **Research Towards New Standardised Ear Simulator**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Türkiye (in Turkish)
 50. İ. Coşkun, E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, S. Beşiroğlu, **Interlaboratory Comparison on Calibration of Sound Calibrators and Pistonphone**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Türkiye (in Turkish)
 51. H.O. Durmuş, E. Çetin, B. Karaböce, **Performance Tests of In-Ear Hearing Aids As per IEC 60118 Series Standards**, Medical Technologies Congress (TIPTEKNO 2019), İzmir, 3-5 October 2019 (in Turkish)

52. E. Çetin, B. Karaböce, H.O. Durmuş, H. Korkmaz, S. Altınay, H.A. Gürbüz, **A Practical Method for Identifying Lesions Caused by HIFU Application: Egg White Phantom**, Medical Technologies Congress (TIPTEKNO 2019), Aydın, 3-5 October 2019 (in Turkish)
53. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, **A EURAMET EMPIR Project 18HLT06 Radiotherapy Coupled with Hyperthermia (RaCHy)**, Medical Technologies Congress (TIPTEKNO 2019), Aydın, 3-5 October 2019 (in Turkish)
54. S. Konca, B. Karaböce, **The Effect of Reverberation Time and Signal-to-Noise Ratio On Word Recognition Scores By Adults and Children in Classrooms**, Megaron, 14:3 (2019): 385-396
55. H.O. Durmuş, B. Karaböce, E. Çetin, M. Özdingiş, **Investigation of Backing Material Used in Ultrasonic Transducers in Terms of Acoustical Parameters**, Medical Technologies Congress (TIPTEKNO 2019), Aydın, 3-5 October 2019
56. C. Kırbaş, M.Yu. Seyidov, **Influence of Native Structural Defects Activated by Illumination and under the Memory Effect Conditions on Ultrasonic Wave Propagation in TlInS₂ Ferroelectric-Semiconductor with Incommensurate Phase**, Material Research Express, 6:8 (2019): 085914
57. H.O. Durmuş, E. Çetin, B. Karaböce, M. Seyitsoy, **Investigation of the Temperature Effect of the IPL Therapy Device on Tissue-Mimicking Material**, Turkish Physical Society 35th International Physics Congress (TPS35), Bodrum, 4-8 September 2019
58. H.O. Durmuş, M.Yu. Seyitsoy, E. Çetin, E. Demirkıran, B. Karaböce, **Investigation of the Temperature Effect of the LED Therapy Device on Tissue-Mimicking Material**, Turkish Physical Society 35th International Physics Congress (TPS35), Bodrum, 4-8 September 2019
59. E. Sadıkoğlu, E. Bilgic, **Characterization Measurements of New Family of Ear Simulators at TÜBİTAK UME**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
60. G. Durando, B. Karaböce, G.T. Haar, A. Denkova, P. Miloro, J.D. Pooter, B. Caccia, R. Dijkema, V. Wilkens, G.V. Rhoun, A. Spinelli, **RaCHy - Radiotherapy Coupled with Hyperthermia - 18HLT06 EURAMET EMPIR Project**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
61. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, F.M. de Espinosa, F. Chinchurreta, A. Alvarez, **Bilateral Intercomparison of Ultrasound Power Standards Used for Calibrations in Medical Field**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
62. M. Özdingiş, B. Karaböce, H.O. Durmuş, E. Çetin, **Automatic Measurement Software Algorithm for Embedded System Used in Portable Ultrasonic Power Meter**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
63. E. Çetin, B. Karaböce, H.O. Durmuş, H. Gürbüz, S. Altınay, **Determination of Thermal Lesions Formed by HIFU Using Polyacrylamide Based Phantom Containing Egg White**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye

64. E. Çetin, H.O. Durmuş, B. Karaböce, N. Kavaklı, **Acoustical Characterization of Tissue - Mimicking Materials**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
65. B. Karaböce, M. Özdingiş, H.O. Durmuş, E. Çetin, **Load Cell Based Ultrasonic Wattmeter for Ultrasonic Probe Calibration**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
66. H.O. Durmuş, B. Karaböce, E. Çetin, M. Özdingiş, E. Toprak, S.S. Topşar, Ş. Balcı, **Investigation of the Effect of Tungsten Used in Backing Materials of Ultrasound Probes on Acoustical Parameters**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
67. H.O. Durmuş, E. Çetin, B. Karaböce, **An Evaluation of Performance Tests of In-Ear Hearing Aids**, The 14th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA), 26-28 June 2019, İstanbul, Türkiye
68. B. Karaböce, H.O. Durmuş, E. Çetin, **Establishment of Measurement System for Hearing Aids at TÜBİTAK UME**, International Conference on Medical and Biological Engineering (CMBEBIH 2019), 16 – 18 May 2019, Banja Luka, Bosnia and Herzegovina
69. J. Avison, P. Harris, S. Robinson, D. Rodrigues, C. Guglielmone, C. Hof, E. Sadıkoğlu, M. Chushkov, S. Zelenika, P. Rosenkrantz, H. Andersson, T. Fedtke, C. Koch, N. Medina Martin, S. Ruiz, H. Shawky, **Final Report: Key Comparison EURAMET.AUV.A-K5**, Metrologia, 56:1A, Technical Supplement (2019): 09001
70. E. Çetin, H.O. Durmuş, B. Karaböce, **Inspection of an Ultrasonography Device by Using Ultrasound Phantom: An Example of Operator Proficiency Test**, National Congress of Medical Technologies (TIPTEKNO'18), 8 – 10 November 2018, Gazi Magosa (in Turkish)
71. B. Karaböce, E. Çetin, H.O. Durmuş, H. Öztürk, K. Mahmat, M.A. Güler, H. Korkmaz, **Variation of Temperature Responses Resulting from HIFU Application According to Acoustic Parameters**, National Congress of Medical Technologies (TIPTEKNO'18), 8 – 10 November 2018, Gazi Magosa (in Turkish)
72. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, **Investigation of Hardness of Backing Material Used in Piezoelectric Transducers**, National Congress of Medical Technologies (TIPTEKNO'18), 8 – 10 November 2018, Gazi Magosa (in Turkish)
73. M. Özdingiş, B. Karaböce, K. Bostan, H. Korkmaz, **Increasing Power Transmission Efficiency of Ultrasonic Transducers Used in Physiotherapy**, National Congress of Medical Technologies (TIPTEKNO'18), 8 – 10 November 2018, Gazi Magosa (in Turkish)
74. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, İ. Coşkun, **Establishment, Verification and Application of THD+Noise Measurement System for Sound Calibrator and Field Vibration Calibrator**, International Conference on Computational and Experimental Science and Engineering (ICCESN 2018), 12 – 16 October 2018, Antalya, Türkiye
75. E. Sadıkoğlu, E. Bilgiç, **Metrological Traceability and Reliability of Audiological Measurements**, 9th National Audiology and Speech Disorders Congress, 11-13 October 2018, İstanbul, Türkiye (in Turkish)

76. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, İ. Coşkun, **New Initiative for Reliability of Hearing Assessment: Development of an Universal Ear Simulator**, 9th National Audiology and Speech Disorders Congress, 11-13 October 2018, İstanbul, Türkiye (in Turkish)
77. B. Karaböce, **Establishment of Ultrasonic Power Measurements Standard at TÜBİTAK UME and Bilateral Comparison Results**, International Journal of Acoustics and Ultrasonics, Volume 1:1 - 2 (2018): pp.13-18
78. E. Çetin, B. Karaböce, O. Kılınç, O. Orun, **Biological Effects of HIFU on HT-29 Colon Cancer Cell Lines**, 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 11 – 13 June 2018, Rome, Italy
79. M. Özdingiş, B. Karaböce, Y.E. Erdemli, **Production of Probes to Characterize Acoustic Field Effects Due to the Geometry of Piezoelectric Transducers: Rectangular and Rhomboid Transducers**, 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 11 – 13 June 2018, Rome, Italy
80. B. Karaböce, E. Çetin, H.O. Durmuş, M. Özdingiş, H. Öztürk, K. Mahmat, M.A. Güler, **Investigation of Different TMMs in High Intensity Focused Ultrasound Applications**, 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 11 – 13 June 2018, Rome, Italy
81. E. Bilgiç, H. Mutaş, C. Kırbaş, E. Sadıkoğlu, **Evaluation of Uncertainty Contributions of Measurement Surface and Number of Microphone Positions in Determination of Sound Power Levels**, Acta Physica Polonica A, 132:3 (2017) : 642-649
82. E. Bilgiç, **Determination of Pulse Width and Pulse Amplitude Characteristics of Materials Used in Pendulum Type Shock Calibration Device**, Acta Physica Polonica A, 132:3 (2017) : 857-860
83. B. Karaböce, E. Çetin, H.O. Durmuş, M. Özdingiş, **Investigation of Viscous Heating Effect of Thermocouples under HIFU Applications**, National Congress of Medical Technologies (TIPTEKNO'17), 12 – 14 October 2017, Trabzon, Türkiye (in Turkish)
84. B. Karaböce, E. Çetin, M. Özdingiş, H.O. Durmuş, **Image Measurement Verification Studies of Different Objects in Tissue-Mimicking Phantom**, National Congress of Medical Technologies (TIPTEKNO'17), 12 – 14 October 2017, Trabzon, Türkiye (in Turkish)
85. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, İ. Coşkun, **Example of Cooperation in the European Union for Strengthening the Metrology Basis for Hearing Assessment**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)
86. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, İ. Coşkun, S. Beşiroğlu, **Sensor and Signal Conditioner Calibrations for Acoustics and Vibration Field Applications**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)
87. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Characterization of Reference Sound Sources**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)
88. K. Saher, S. Nas, B. Karaböce, C. Kırbaş, E. Sadıkoğlu, **Comparison of Measured and Simulation Values of Reverberation Time in Reverberation Room**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)
89. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, **Power Calibration of Therapeutic Ultrasonic Transducers**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)

90. B. Karaböce, M. Özdingiş, H.O. Durmuş, E. Çetin, **Portable Ultrasonic Power Meter System**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Türkiye (in Turkish)
91. B. Karaböce, E. Çetin, H.O. Durmuş, **Thermal Effects of High Intensity Focused Ultrasound**, **National Biophysics Congress**, 6-9 September 2017, İstanbul, Türkiye
92. E. Bilgiç, F.A. Alsubaey, İ. Aladhyani, E. Sadıkoğlu, C. Kırbaş, **Current Situation in Vibration Field at NMCC and Calibration of Signal Conditioner**, IMEKO 23rd TC3, 13th TC5 and 4th TC22 International Conference, 30 May – 1 June 2017, Helsinki, Finland
93. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Characterization and Clinical Trials of the Prototype Ear Simulator Designed for Neonates Hearing Assessment**, Acoustics Australia, 3:7 (2017), pp.1-8
94. B. Karaböce, E. Çetin, H.O. Durmuş, M. Özdingiş, H. Korkmaz, J. Altun, S. Argun, **Experimental Investigations of Viscous Heating Effect of Thermocouples under Focused Ultrasound Applications**, IEEE International Symposium on Medical Measurements and Applications (MeMeA), 7-10 May 2017, Minnesota, USA
95. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, **Calibration of Therapeutic Ultrasonic Transducers with the Modified Radiation Force Balance System**, IEEE International Symposium on Medical Measurements and Applications (MeMeA), 7-10 May 2017, Minnesota, USA
96. E. Bilgiç, **Determination of Pulse Width and Pulse Amplitude Characteristics of Aterials Used in Pendulum Type Shock Calibration Device**, International Conference on Computational and Experimental Science and Engineering (ICCESN 2016), 19 – 24 October 2016, Antalya, Türkiye
97. E. Bilgiç, H. Mutaş, C. Kırbaş, E. Sadıkoğlu, **Evaluation of Uncertainty Contributions of Measurement Surface and Number of Microphone Positions in Determination of Sound Power Levels**, International Conference on Computational and Experimental Science and Engineering (ICCESN 2016), 19 – 24 October 2016, Antalya, Türkiye
98. R. Barham, E.S. Olsen, D. Rodrigues, S. Barrera-Figueroa, E. Sadıkoğlu, B. Karaböce, **The Calibration of a Prototype Occluded Ear Simulator Designed for Neonatal Hearing Assessment Applications**, Journal of Acoustical Society of America, 140:2 (2016), pp. 806813
99. M.Yu. Seyitsoy, R.A. Suleymanov, A.P. Odrinsky, C. Kırbaş, **Effect of Deep Native Defects on Ultrasound Propagation in TlInS₂ Layered Crystal**, Physica B Condensed Matter, 497(2016), pp. 86-92
100. B. Karaböce, **Investigation of Thermal Effect by Focused Ultrasound in Cancer Treatment**, IEEE Instrumentation & Measurement Magazine, 19:5 (2016) : pp. 20-25
101. B. Karaböce, M. Özdingiş, H.O. Durmuş, E. Çetin, **Portable Ultrasonic Wattmeter For Ultrasonic Probe Calibration**, National Congress of Medical Technologies (TIPTEKNO'16), 27-29 October 2016, Antalya, Türkiye (In Turkish)
102. B. Karaböce, E. Çetin, H.O. Durmuş, M. Özdingiş, **Investigation of the Temperature Effect of Ultrasound Used in Cancer Therapy**, National Congress of Medical Technologies (TIPTEKNO'16), 27-29 October 2016, Antalya, Türkiye (In Turkish)
103. S. Brezas, P. Cellard, H. Andersson, C. Guglielmone, C. Kırbaş, **Dissemination of the Unit Watt in Airborne Sound: Aerodynamic Reference Sound Sources as**

- Transfer Standards**, The 45th International Congress and Exposition on Noise Control Engineering (InterNoise 2016), 21-24 August 2016, Hamburg, Germany
104. C. Kırbaş, H. Andersson, C. Guglielmone, V. Wittstock, E. Bilgiç, **Primary Sound Power Sources for the Realisation of the Unit Watt in Airborne Sound**, The 45th International Congress and Exposition on Noise Control Engineering (Inter-Noise 2016), 21-24 August 2016, Hamburg, Germany
 105. C. Guglielmone, V. Wittstock, C. Kırbaş, H. Andersson, **Main Achievements of the EMRP Sound Power Project and Future Prospects**, The 45th International Congress and Exposition on Noise Control Engineering (Inter-Noise 2016), 21-24 August 2016, Hamburg, Germany
 106. K. Saher, S. Nas, B. Karaböce, C. Kırbaş, E. Bilgiç, **Room Acoustic Modelling of a Reverberation Chamber**, The 45th International Congress and Exposition on Noise Control Engineering (Inter-Noise 2016), 21-24 August 2016, Hamburg, Germany
 107. K. Saher, B. Karaböce, **Auralizations of Monosyllabic Word Lists For Hearing Impaired Students - A Preliminary Study**, The 9th Iberian Congress and the 47th Spanish Congress on Acoustics (EuroRegio2016), 13-15 June 2016, Porto, Portugal
 108. B. Karaböce, E. Çetin, H.O. Durmuş, **Investigation of Temperature Rise in Tissue Mimicking Material Induced by a HIFU Transducer**, 2016 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 15-18 May 2016, Benevento, Italy
 109. B. Karaböce, D. Kaleci, A. Şahin, **Experiential Investigation of Nonlinear Acoustic Field Structure in Two and Three Dimensions**, 2016 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 15-18 May 2016, Benevento, Italy
 110. B. Karaböce, K. Kılıç, G. Erdoğan, **Investigation of Ultrasonic Fields Produced by HIFU Transducers Used in Cancer Therapy**, 2016 IEEE International Symposium on Medical Measurements and Applications (MeMeA), 15-18 May 2016, Benevento, Italy
 111. G. Durando, C. Guglielmone, J. Haller, O. Georg, A. Shaw, E. Martin, B. Karaböce, **Towards Comparison of Ultrasound Dose Measurements - Current Capabilities and Open Challenges**, Physics Procedia 70 (2015), pp.1114-1118
 112. B. Karaböce, H.O. Durmuş, **Visual Investigation of Heating Effect in Liver and Lung Induced by a HIFU Transducer**, Physics Procedia 70 (2015), pp.1225-1228
 113. B. Karaböce, A. Şahin, A.T. İnce, Y. Skarlatos, **Characterization of Pressure Fields of Focused Transducers at TÜBTAK UME**, Physics Procedia 70 (2015), pp.1241-1245
 114. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, **The Measurement and Evaluation of Vibration: Exposure to Hand-arm and Whole-body Vibration**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)
 115. B. Karaböce, E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, H.O. Durmuş, **Characterization of New Design Ear Simulator to Be Used in Newborn Hearing Tests**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)
 116. B. Karaböce, H.O. Durmuş, **System Established at TÜBTAK UME for Hearing Aids Test and Measurement Results**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)

117. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **The Effect of Near Field on the Determination of Sound Power Level**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)
118. E. Bilgiç, C. Kırbaş, E. Sadıkoğlu, H. Mutaf, **Influence of Measurement Surface and Number of Microphones on Determination of Sound Power Level of Noise Sources**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)
119. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Research on a Realization of the Unit “Watt” in Airborne Acoustics**, The 11th National Acoustics Congress, İstanbul Technical University, 19-20 October 2015, İstanbul, Türkiye (in Turkish)
120. B. Karaböce, H.O. Durmuş, **Investigation of Thermal Effect In Vitro Liver and Lung Induced by a HIFU Transducer**, National Congress of Medical Technologies (TIPTEKNO'15), pp.519-522, 15-18 October 2015, Bodrum, Türkiye (In Turkish)
121. E. Bilgiç, Y. Durgut, **Effect of Waveform Model on Sensitivity Values of Transducers Used in Dynamic Mechanical Measurements**, Acta Physica Polonica A, vol:128(2), pp.267-270, August 2015
122. E. Bilgiç, G. Gülmez, S. Özen, V. Senay, S. Pat, S. Korkmaz, R. Mohammadigharehbagh, **Investigation of the Thickness Effect to Impedance Analysis Results Algan Acoustic Sensor**, The 9th International Physics Conference of the Balkan Physical Union, 24-27 August 2015, İstanbul, Türkiye
123. S. Pat, S. Özen, E. Bilgiç, G. Gülmez, V. Senay, S. Korkmaz, R. Mohammadigharehbagh, **Impedance Analysis of Nano Thickness Layered Algan Acoustic Sensor Deposited by Thermionic Vacuum Arc**, The 9th International Physics Conference of the Balkan Physical Union, 24-27 August 2015, İstanbul, Türkiye
124. B. Karaböce, **Focused Ultrasound Temperature Effect in Tissue-mimicking Material and Sheep Liver**, IEEE International Symposium on Medical Measurements and Application (MEMEA), 7-9 May 2015, Torino, Italy
125. B. Karaböce, Y. Gülmez, E. Bilgiç, E. Sadıkoğlu, A.T. İnce, Y. Skarlatos, **Comparison of the Input Electrical Power Measurement Methods for HIFU Transducers**, IEEE Xplore, vol. 978-1-4799-2921, pp.1-6, April 2014
126. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, B. Karaböce, **National Interlaboratory Comparison on Calibration of Sound Calibrators**, The 10th National Acoustics Congress, pp.304-309, Yıldız Technical University, 16-17 December 2013, İstanbul, Türkiye (in Turkish)
127. B. Karaböce, C. Kırbaş, F. Akdaş, E. Bilgiç, E. Sadıkoğlu, **Characterization of “Silent” Cabin Used for Audiometric Measurements**, pp.315-322, The 10th National Acoustics Congress, pp.315-322, Yıldız Technical University, 16-17 December 2013, İstanbul, Türkiye (in Turkish)
128. E. Bilgiç, E. Turhan, **Calibration Methods for Charge Type Conditioning Amplifiers and Results of Calibrations Performed at TÜBİTAK UME**, The 10th National Acoustics Congress, pp.323-331, Yıldız Technical University, 16-17 December 2013, İstanbul, Türkiye (in Turkish)
129. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, B. Karaböce, **National Interlaboratory Comparison on Calibration of Vibration Exciter**, The 10th National Acoustics Congress, pp.342-348, Yıldız Technical University, 16-17 December 2013, İstanbul, Türkiye (in Turkish)

130. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, B. Karaböce, **Effect of Sound Level Meter's Response out of Tolerances to Noise Measurement Results**, The 10th National Acoustics Congress, pp.388-395, Yıldız Technical University, 16-17 December 2013, İstanbul, Türkiye (in Turkish)
131. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, B. Karaböce, **Interlaboratory Comparison on Sound Power Measurements**, The 10th National Acoustics Congress, Yıldız Technical University, pp.396-405, 16-17 December 2013, İstanbul, Türkiye (in Turkish)
132. B. Karaböce, E. Bilgiç, E. Sadıkoğlu, **HIFU Technique for Cancer Therapy**, National Congress of Medical Technologies (TIPTEKNO'13), 31 October – 2 November 2013, Antalya, Türkiye (in Turkish)
133. E. Bilgiç, M. Aksulu, **Relationship Between Rail Parameters and Noise in the Rail Transport Systems**, The 8th National Metrology Congress, pp.288-301, 26-28 September 2013, Gebze – Kocaeli, Türkiye (In Turkish)
134. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Diffuse Field Comparison Calibration of Microphones**, The 8th National Metrology Congress, pp.276-287, 26-28 September 2013, Gebze – Kocaeli, Türkiye (In Turkish)
135. E. Bilgiç, E. Sadıkoğlu, **Parameters Affecting Measurements of Noise Exposure**, The 8th National Metrology Congress, pp.302-309, 26-28 September 2013, Gebze – Kocaeli, Türkiye (In Turkish)
136. J. Haller, K.-V. Jenderka, A. Shaw, G. Durando, B. Karaböce, **Metrology of High-intensity Therapeutic Ultrasound Within the EMRP Project "External Beam Cancer Therapy". Characterization of Sources**, Metrologia 49 (2012), S267–S270
137. B. Karaböce, Y. Gülmez, S. Rajagapol, A. Shaw, **Instantaneous Input Electrical Power Measurements of HITU Transducer**, Advanced Metrology for Ultrasound in Medicine Conference (AMUM), 12-14 May 2012, Teddington, United Kingdom
138. A. Kuzu, Ü. Daniş, E. Kurt, E. Karabulut, D. Şahinkaya, A. Kaplaner, S. Birecik, B. Özumut, E. Bilgiç, **Testing and Calibration of Sonobuoys in Air Medium**, The 20th IEEE Signal Processing and Communication Assembly, 18-20 April 2012, Muğla – Türkiye (in Turkish)
139. A. Şahin, O.A. Kaya, D. Kaleci, B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Non-Linear Acoustic Pressure Field of High Intensity Focused Ultrasound (HIFU) Transducers in Two and Three Dimensions**, The 2nd International Advances in Applied Physics and Material Science Congress, 26-29 April 2012, Antalya, Türkiye
140. A. Kuzu, Ü. Daniş, E. Kurt, E. Karabulut, D. Şahinkaya, E. Bilgiç, A. Kaplaner, S. Birecik, **Calibration and Test of DIFAR Sonobuoys**, The 20th International Symposium on Industrial Electronics, 27-30 June 2011, Gdansk, Poland
141. B. Karaböce, Y. Gülmez, S. Rajagapol, A. Shaw, **Instantaneous Input Electrical Power Measurements of HITU Transducer**, Journal of Physics: Conference Series 279 (2011), 012011
142. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Ultrasound Power Measurements of HITU Transducer with a More Stable Radiation Force Balance**, Journal of Physics: Conference Series 279 (2011) 012014

143. K.V. Jenderka, G. Durando, B. Karaböce, S. Rajagopal, A. Shaw, **Interlaboratory Comparison of HITU Power Measurement Methods and Capabilities**, Journal of Physics: Conference Series 279 (2011) 012015
144. E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, B. Karaböce, **Accreditation of Acoustical Calibration and Measurement Services**, The 9th National Acoustics Congress, p.64-69, Middle East Technical University, 26-27 May 2011, Ankara, Türkiye (in Turkish)
145. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Metrological View on the Use of Ultrasound**, The 9th National Acoustics Congress, p.283-290, Middle East Technical University, 26-27 May 2011, Ankara, Türkiye (in Turkish)
146. C. Kırbaş, E. Sadıkoğlu, E. Bilgiç, **Determination of Elastic Constants in Solids Through the Measurement of Sound Velocity**, The 9th National Acoustics Congress, p.304315, Middle East Technical University, 26-27 May 2011, Ankara, Türkiye (in Turkish)
147. E. Bilgiç, E. Sadıkoğlu, C. Kırbaş, B. Karaböce, **Measurement Methods for Determination of Acoustical Performance of Acoustical Cabins**, The 9th National Acoustics Congress, p.326-332, Middle East Technical University, 26-27 May 2011, Ankara, Türkiye (in Turkish)
148. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Characterization of HITU Transducers Used for External Beam Cancer Therapy**, The 3rd National Congress on Medical Devices Manufacturing, Samsun, Türkiye, 6-7 November 2009, pp. 155-159 (in Turkish)
149. H.-M. Kramer, J.-M. Bordy, E. Van Dijk, J. Dobrovodsky, S. Duane, G. Durando, R.-P. Kapsch, B. Karaböce, Ch. Koch, A. Kosunen, M. Pimpinella, A. Shaw, **Metrology in External Beam Cancer Therapy**, The 14th International Congress of Metrology, 22-25 June 2009, Paris, France
150. E. Bilgiç, E. Sadıkoğlu, B. Karaböce, C. Kırbaş, A.İ. Turan, **Primary Accelerometer Calibration in UME by Sine Approximation Method**, XIX IMEKO World Congress Fundamentals and Applied Metrology, 6-11 September 2009, Lisbon, Portugal
151. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, A.İ. Turan, **HITU Transducers, Their Characterization and Application Areas**, The 8th National Acoustics Congress, 27-28 November 2008, Kemer – Antalya, Türkiye (in Turkish)
152. E. Bilgiç, E. Sadıkoğlu, B. Karaböce, C. Kırbaş, A.İ. Turan, **Calibration of Vibration Pick-ups by Sine Approximation Method**, The 8th National Acoustics Congress, 27-28 November 2008, Kemer – Antalya, Türkiye (in Turkish)
153. C. Kırbaş, E. Sadıkoğlu, E. Bilgiç, B. Karaböce, A.İ. Turan, **Measurement of Sound Absorption Coefficient by MLS Technique**, The 8th National Acoustics Congress, 27-28 November 2008, Kemer – Antalya, Türkiye (in Turkish)
154. E. Bilgiç, C. Kırbaş, E. Sadıkoğlu, B. Karaböce, A.İ. Turan, **Coherence Between Sound Power Measurements Performed in Full Anechoic and Reverberant Environments**, The 36th International Congress on Noise Control Engineering (Internoise 2007), 28-31 August 2007, İstanbul, Türkiye
155. C. Kırbaş, E. Sadıkoğlu, E. Bilgiç, B. Karaböce, A.İ. Turan, **The Influence of Various Parameters on Sound Absorption Coefficient Measurements in the Reverberation Room**, The 36th International Congress on Noise Control Engineering (Internoise 2007), 28-31 August 2007, İstanbul, Türkiye
156. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, A.İ. Turan, M. Arifoviç, **Comparison of Voltage Measurement Techniques in Radiation Conductance Calculations of**

- Ultrasonic Power Transducer**, The 36th International Congress on Noise Control Engineering (Internoise 2007), 28-31 August 2007, İstanbul, Türkiye
157. E. Sadıkoğlu, E. Bilgiç, B. Karaböce, C. Kırbaş, A.İ. Turan, **Overview of Methods for Calibration of Vibration Pick-ups**, The 36th International Congress on Noise Control Engineering (Internoise 2007), 28-31 August 2007, İstanbul, Türkiye
 158. E. Sadıkoğlu, E. Bilgiç, B. Karaböce, C. Kırbaş, **The Current Status of Acoustical Metrology in Turkey**, Journal of Metrology Society of India, vol.22, No.2, 2007, pp.129-132
 159. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, C. Kırbaş, A.İ. Turan, A. Çolak, **Characterization of Piezoceramics Based Underwater Electroacoustical Transducers**, III International Workshop on Piezoelectric Materials and Applications in Actuators, 18-21 June 2006, Eskişehir, Türkiye, p.67
 160. E. Bilgiç, E. Sadıkoğlu, B. Karaböce, C. Kırbaş, A.İ. Turan, A. Çolak, **Low Frequency Calibration of Hydrophones by Self-mixing Interferometry at UME**, The 7th International Conference on Vibration Measurements by Laser Techniques, 19-22 June 2006, Ancona, Italy
 161. C. Kırbaş, E. Sadıkoğlu, E. Bilgiç, B. Karaböce, A.İ. Turan, Ş. Erkoç, **A Simplified Theoretical Approach to Condenser Microphone Behaviour**, The 6th European Conference on Noise Control (Euronoise 2006), 30 May - 1 June 2006, Tampere, Finland
 162. B. Karaböce, E. Sadıkoğlu, E. Bilgiç, **Realization of National Ultrasonic Power Standard**, The 2005 International Congress and Exposition on Noise Control Engineering (Internoise 2005), Rio de Janeiro, Brazil, 07-10 August 2005, session UL2: Ultrasound
 163. E. Sadıkoğlu, C. Kırbaş, E. Bilgiç, B. Karaböce, A.İ. Turan, **Realization and Characterization of Omnidirectional Sound Sources**, The 2005 International Congress and Exposition on Noise Control Engineering (Internoise 2005), Rio de Janeiro, Brazil, 07-10 August 2005, session MT1: Metrology
 164. E. Sadıkoğlu, E. Bilgiç, B. Karaböce, **Laser Pistonphone Based On Self-Mixing Interferometry**, Applied Acoustics, vol. 65 (9), 2004, pp. 833 - 840
 165. E. Sadıkoğlu, E. Bilgiç, B. Karaböce, **Characterization of Commercial Type Vibration Exciters by Self-Mixing Interferometry**, The 6th International Conference on Vibration Measurements by Laser Techniques, Ancona, Italy, SPIE Vol. 5503, pp.598 – 601, 2004
 166. E. Sadıkoğlu, B. Karaböce, E. Bilgiç, C. Kırbaş, A.İ. Turan, **Bilateral Comparison of Ultrasonic Power Standards Between UME and PTB**, Technical Report, 2003-ASL-001, 2003
 167. E. Bilgiç, E. Sadıkoğlu, B. Karaböce, **Laser Pistonphone as an Alternative Tool for Microphone Absolute Calibration at Low Frequencies**, The 5th International Conference on Vibration Measurements by Laser Techniques, June 2002, Ancona, Italy, SPIE Vol. 4827, pp. 74 - 79
 168. E. Sadıkoğlu, E. Bilgiç, B. Karaböce, **Realization and Dissemination of Linear Acceleration Unit at UME**, The 5th International Conference on Vibration Measurements by Laser Techniques, June 2002, Ancona, Italy, SPIE Vol. 4827, pp. 288 –292

169. E. Bilgiç, B. Karaböce, S. Fank, E. Sadıkoğlu, **Influence of Mechanical Vibration on Strain Gauge Based Force Transducer Performance**, IMEKO TC3-Coneference, Istanbul, Türkiye, 2001, pp. 112-116
170. E. Sadikhov, E. Bilgiç, B. Karaböce, C. Kırbaş, **Investigation of Condenser Microphone Diaphragm Vibration**, Inter-noise 99 Conference, Fort-Lauderdale, USA, 1999, pp.1485 – 1490
171. R. Gamidov, E. Sadikhov, M. Çetintaş, **Optical Feedback in Diode Laser for Sound Pressure Measurement**, The 3rd International Conference on Vibration Measurements by Laser Techniques, Ancona, Italy, SPIE Vol. 3411, pp.624-629, 1998
172. R. Gamidov, M. Çetintaş, E. Sadikov, V. Sautenkov, **Diode Lasers with External Optical Feedback for Small Displacement Measurements**, Proceedings of CPEM 96, Braunschweig, Germany, 17-20 June 1996, pp. 126-127