

PUBLICATIONS LIST OF TÜBİTAK ULUSAL METROLOJİ ENSTİTÜSÜ (UME)

IN THE FIELD OF ACOUSTICS, ULTRASOUND AND VIBRATION

(Updated November 8, 2021)

1. 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
2. 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)
3. 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)
4. E. Bilgiç, **Standards Used in Earthquake Tests and Comparison of Their Contents**, 14th National Acoustics Congress, İstanbul, 7-8 October 2021 (in Turkish)
5. 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)
6. 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
7. 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
8. 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
9. 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
10. 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
11. 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

12. 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
13. B. Karaboce, 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
14. 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
15. 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
16. B. Karaboce, **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
17. H.O. Durmuş, S. Kocaata, G. Naz, Y. Celik, E. Cetin, B. Karaboce, 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
18. 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
19. 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
20. 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
21. E. Çetin, O. Orun, B. Karaböce, O. Kılınc, 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
22. 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
23. 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, Turkey (In Turkish)
24. E. Sadıkoğlu, E. Bilgiç, **Metrological Traceability Issues in Hearing Assessments**, The 9th National Metrology Congress, 20 – 22 November 2019, İzmir, Turkey (In Turkish)
25. 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, Turkey (In Turkish)

26. E. Çetin, B. Karaböce, H.O. Durmuş, **Determination of Acoustic Parameters of Tissue-Like Materials**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Turkey (in Turkish)
27. C. Kırbaş, R.M. Gavioso, D. M. Ripa, **Primary Thermometry Based on Speed of Sound Measurements**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Turkey
28. E. Sadıkoğlu, E. Bilgiç, **Improvement of National Standard of Sound Pressure Unit**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Turkey (in Turkish)
29. E. Sadıkoğlu, E. Bilgiç, **Research Towards New Standardised Ear Simulator**, 13th National Acoustics Congress, 17-18 October 2019, Diyarbakır, Turkey (in Turkish)
30. 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, Turkey (in Turkish)
31. 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)
32. 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)
33. 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)
34. 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
35. 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
36. 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
37. 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
38. 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
39. E. Sadıkoğlu, E. Bilgiç, **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, Turkey

40. G. Durando, B. Karaböce, G.T. Haar, A. Denkova, P. Miloro, J.D. Pooter, B. Caccia, R. Dijkema, V. Wilkens, G.V. Rhooen, 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, Turkey
41. 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, Turkey
42. 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, Turkey
43. 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, Turkey
44. 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, Turkey
45. 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, Turkey
46. 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, Turkey
47. 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, Turkey
48. 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
49. 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
50. 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)
51. 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**

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52. 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)
 53. 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)
 54. 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 (ICCESEN 2018), 12 – 16 October 2018, Antalya, Turkey
 55. E. Sadıkoğlu, E. Bilgiç, **Metrological Traceability and Reliability of Audiological Measurements**, 9th National Audiology and Speech Disorders Congress, 11-13 October 2018, İstanbul, Turkey (in Turkish)
 56. 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, Turkey (in Turkish)
 57. 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
 58. 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
 59. 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
 60. 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
 61. E. Bilgiç, H. Mutaf, 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
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 63. 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, Turkey (in Turkish)
 64. 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, Turkey (in Turkish)

65. 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, Turkey (in Turkish)
66. 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, Turkey (in Turkish)
67. C. Kırbaş, E. Bilgiç, E. Sadıkoğlu, **Characterization of Reference Sound Sources**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Turkey (in Turkish)
68. 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, Turkey (in Turkish)
69. B. Karaböce, H.O. Durmuş, E. Çetin, M. Özdingiş, **Power Calibration of Therapeutic Ultrasonic Transducers**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Turkey (in Turkish)
70. B. Karaböce, M. Özdingiş, H.O. Durmuş, E. Çetin, **Portable Ultrasonic Power Meter System**, 12th National Acoustics Congress, 14-15 September 2017, İzmir, Turkey (in Turkish)
71. B. Karaböce, E. Çetin, H.O. Durmuş, **Thermal Effects of High Intensity Focused Ultrasound**, National Biophysics Congress, 6-9 September 2017, İstanbul, Turkey
72. 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
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76. 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, Turkey
77. E. Bilgiç, H. Mutaf, 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, Turkey
78. 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

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80. B. Karaböce, **Investigation of Thermal Effect by Focused Ultrasound in Cancer Treatment**, IEEE Instrumentation & Measurement Magazine, 19:5 (2016) : pp. 20-25
81. 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, Turkey (In Turkish)
82. 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, Turkey (In Turkish)
83. 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
84. 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
85. 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
86. 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
87. 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
88. 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
89. 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
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91. 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
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95. 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, Turkey (in Turkish)
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97. 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, Turkey (in Turkish)
98. 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, Turkey (in Turkish)
99. 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, Turkey (in Turkish)
100. 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, Turkey (In Turkish)
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