REFERANCES

1- P. Ole, *"Noise and people"*, Noise Control Engineering Journal, 32(1989) 73.

2- P.C. Eleftheriou, *"Industrial noise and its effects on human hearing"*, Applied Acoustics, 63 (2002) 35.

3- Environmental protection agency *"Public health and welfare criteria for noise"*, Government Printing Office, Washington (DC), July (1973).

4- ELOT 413, "*Acoustics-assessment of occupational noise exposure for hearing conversation purposes*", Greek Organization for Standards, (1985).

5- Canada Labor Code, *"Part II, section 7.4(1)(b).R.S.C, c-L-2"* Canada Occupational Safety and Health Regulations (SOR/86-304), (1985).

6- Environmental protection agency, *"Information on levels and environmental noise requisite to protect public health and welfare with an adequate margin of safety"*, Government Printing Office, Washington (DC), March (1974).

7- C.M. Harris, *"Noise control in building"*, McGraw Hill Books Company, Inc, USA, (1994).

8- ISO Acoustics, *"Determination of occupational noise exposure and estimation of noise induced impairment"*, (1990).

9- L.E. Kinsler and A.R. Frey, "*Fundamentals of acoustics*", John Wily and Sons, Inc., New York. London. Sydney, p (1), (1966).

10- L.L. Beranek, *"Noise reduction"*, McGraw-Hill, New York (1960).

11- M. Ren and F. Jacobsen, *"A method of measuring the dynamic flow resistance and reactance of porous materials"*, Applied Acoustic, 39(1993) 265.

12- J.F. Allard, C. Depollier and p. Guignouard, *"Free field surface impedance measurements of sound-absorbing materials with surface coatings"*, Applied Acoustics, 26 (1989) 199.

13- E. Knapen, R. Lanoye, G. Vermeir and D.V. Gemert, *"Sound absorption by polymer-modified porous cement mortars"*, 6th International Conference on Materials Science and Restoration, MSR-VI Aedificatio Publishers, (2003) 347.

14- C. Wassilieff, *"Sound absorption of wood-based materials"*, Applied Acoustics, 48 (1996) 339.

15- B. Castagnede, A. Aknine, B. Brouard and V. Tarnow *"Effects of compression on the sound absorption of fibrous materials"*, Applied Acoustics, 61 (2000) 173.

16- F. Alton, *"The master handbook of acoustics"* 4th edition, New York: McGraw-Hill, (2001).

17- B. Fader, *"Industrial Noise Control"*, Interscience publication, John Wiley and Sons, (1981).

18- Y. E. Lee, C. W. Joo, "*Sound absorption properties of thermally bonded nonwoven based on composing fibers and production parameters"*, Journal of Applied Polymer Science, 92 (2004) 2295.

19- F.J. Fahy, *"Foundations of engineering acoustics"*, San Diego, Calif., London, Academic Press, (2001).

20- F. Simon and J. Pfretzschner, *"Guidelines for the acoustic design of absorptive devices"*, Noise and Vibration Worldwide, 35 (2004) 12.

21- C.N. Wang, J.H. Torng, *"Experimental study of the absorption characteristic of some porous fibrous materials"*, Applied Acoustics, 62(2001) 447.

22- A. Zent and J.T. Long, *"Automotive sound absorbing material survey results"*, SAE International, 01 (2007) 2186.

23- H.S. Seddeq, *"Factors influencing acoustic performance of sound absorptive materials"*, Australian Journal of Basic and Applied Sciences, 4 (2009) 4610.

24- K.V. Horoshenkov and M.J. Swift, *"The effect of consolidation on the acoustic properties of loose rubber granulates"*, Applied Acoustics, 62(2001) 665.

25- T. Koizumi, N. Tsujiuchi, A. Adachi, *"The development of sound absorbing materials using natural bamboo fibers, high performance"*, WIT Press, 59 (2002) 672.

26- M. Coates and M. Kierzkowski, *"Acoustic textiles-lighter, thinner and more sound absorbent"*, Technical-Textiles-International: TTI articles, (2002).

27- R. Zulkifli, M.J. Nor, *"Effect of perforated size and air gap thickness on acoustic properties of coir fiber sound absorption panels"*, European Journal Of Scientific Research, 28 (2009) 242.

28- W.A. Davern, *"Automotive noise and vibration control treatments"*, Sound and Vibration, Applied Acoustics, 85 (1977).

29- J. Conrad, *"Engineering acoustics and noise control"*, Englewood Cliffs, N.J, Prentice-Hall, (1983).

30- U. Ingard, *"Notes on sound absorption technology, Poughkeepsie"*, NY: Noise Control Foundation, (1994).

31- A. Bruijn, "*A mathematical analysis concerning the edge effect of sound absorbing materials"*, Acustica, 28 (1973) 33.

32- R. Sauro, M. Vargas, G. Mange, *" Absorption coefficients-part 1: is square area enough?"* innovations in practical noise control, Ottawa Canada, August (2009) 23.

33- R. Sauro, M. Vargas, G. Mange, *" Absorption coefficients-part 2: is "edge effect" more important than expected?"* innovations in practical noise control, Ottawa Canada, August (2009) 23.

34- K. Sakagami, T. Uyama, M. Morimoto, M. Kiyama, *"Prediction of the reverberation absorption coefficient of finite-size membrane absorbers"*, Applied Acoustics, 66 (2005) 653.

35- W. Thomas, *"Effect of absorber geometry on apparent absorption coefficients as measured in a reverberation chamber"*, Washington, DC 20234, J. Acoust. Soc. Am., 69 (1981) 1065.

36- Y. Kawai, H. Meotoiway, *"Estimation of the area effect of sound absorbent surfaces by using a boundary integral equation"*, Acoust. Sci. & Tech. 26 (2005) 123.

37- K. Kimura, K. Yamamoto, "*Th*e *required sample size in measuring oblique incidence absorption coefficient experimental study",* Applied Acoustics 63 (2002) 567.

38- A. Cops, J. Vanhaecht, K. Leppens, *"Sound absorption in a reverberation room causes of discrepancies on measurement results",* Applied Acoustics, 46 (1995) 215.

39- A. Izewska, *"Measurement uncertainty of the sound absorption coefficient", Acoustics,* 8 (2008) 3979.

40- M. Dah, *"Theory and design of panel-absorbing constructions",* Scientia Sinica, XVIII, (1975).

41- L.E. Kinsler and A.R. Frey, *"Fundamental of acoustics, second edition"* Ch.8, John Willy, Sons, Inc, (1988).

42- J.F. Allard, *"Propagation of sound in porous media modeling*. *Sound absorbing materials",* Amsterdam: Elsevier (1993).

43- D.A. Bies, and C.H. Hansen, *"Flow resistance information for acoustical design",* Applied Acoustics, 13 (1980) 357.

44- D.J. Sides and K. Attenborough, *"Application of a generalized acoustic propagation theory to fibrous absorbents",* Journal of Sound and Vibration, 19 (1971) 49.

45- R. Woodcock, and M. Hodgson, *"Acoustic methods for determining the effective flow resistivity of fibrous materials",* Journal of Sound and Vibration, 153 (1992) 186.

46- M.E. Delany, E.N. Bazley, *"Acoustical properties of fibrous absorbent materials",* Applied Acoustic, 3 (1970) 105.

47- V. Tiwari, A. Shukla, A. Bose, *"Acoustic properties of cenosphere reinforced cement and asphalt concrete",* Applied Acoustics, 65 (2004) 263.

48- A. E. Bovk, S.P. Klimov and V.V. Tyutekin, Izmer.Tekh., 76 (1975).

49- J. Y. Chung and D. A. Blaser, J. Acoustical Soc. Amer., 61 (1980).

50- I. V. Lebedeva and S. P Dragan, Izmer. Tekh., 52 (1988).

51- J. Ducourneau, V. Planeau, *"The average absorption coefficient for enclosed spaces with non uniformly distributed absorption"*, Applied Acoustics, 64 (2003) 845.

52- M. Meissner, *"Influence of wall absorption on low-frequency dependence of reverberation time in room of irregular shape"*, Applied Acoustics, 69 (2008) 583.

53- F.P. Beer and E.R. Johnston, *"Mechanics of materials"*, McGraw Hill Books Company, London, (1992).

54- N.B. Taylor, E.C. Kuyatt, *"Guidelines for evaluating and expressing the uncertainty of NIST measurements results,"* NIST Technical Note 1297, p (20), (1994).

55- General Metrology – Part 3, *"Guide to the expression of uncertainty in measurement (GUM)"*, British Standards, PD6461-3, (1995).

56- S. Bell, *"A Beginner's guide to uncertainty of measurements"*, National Physical Laboratory (NPL), 11 (2001).

57- ISO 9612, *"Guidelines for the measurement and assessment of exposure to noise in a working environment"*, Acoustics, (1997).

58- L. Geetere, P. Huart, M.V. Damme, *"The precision of the measurements"*, laboratory of acoustics, Belgian building research institute, AC 4802 (2009) 1.

59- ISO 1798, *"polymeric materials, cellular flexible-determination of tensile strength and elongation at break"*, (1983).

60- ASTM D 412, *"Standard test methods for vulcanized rubber and thermoplastic elastomers–tension"*.

61- ASTM D 5035, *"Standard test method for breaking force and elongation of textile fabrics (Strip Method)"*.

62- N. Neithalath, J. Wesis and J. Olek, *"Acoustic absorption behavior of fiber reinforced enhanced porosity concrete"*, 550 Stadium Mall Drive, West Lafayette, Indiana, USA-47907.

63- ISO 3741, *"Determination of sound power levels of noise sources-precision method for broad-band sources in reverberation rooms-direct method (method 1)"*, Acoustics, (1988).

64- ISO 354, *"Measurment of sound absorption in reverberation room"* Acoustics, (2003).

65- ISO 9613-1, *"Attenuation of sound during propagation outdoors"* Acoustics, (1993).

66- ISO 10534, *"Determination of sound absorption coefficient and impedance in impedance tubes"* Acoustics, (1998).

67- E.J. Carlise, R.J. Hooker, *"Small chamber reverberant absorption measurement"*, proceeding of acoustics, Australia, Gold Coast, November 5 (2004) 89.

68- A. A. Mahmoud, M. Abd-elbasseer, *"Characterization of poly-isoprene rubber layer backed with porous material as sound absorber and vibration damper"*, Journal of American Science, 7 (2011) 102.