

APPENDIX TO 43: ACOUSTICS

The detailed headings of this Appendix correspond to the scheme used by the Journal of the Acoustical Society of America.

- 43.05.-k Acoustical Society of America (in PACS, see also 01.10.Hx)
- 43.05.Bp Constitution and bylaws
- 43.05.Dr History
- 43.05.Ft Honorary members
- 43.05.Gv Publications, ARLO, Echoes, ASA Web page, electronic archives and references
- 43.05.Hw Meetings
- 43.05.Ky Members and membership lists, personal notes, fellows
- 43.05.Ma Administrative committee activities
- 43.05.Nb Technical committee activities; Technical Council
- 43.05.Pc Prizes, medals, and other awards
- 43.05.Re Regional chapters
- 43.05.Sf Obituaries
- 43.10.-a General
- 43.10.Ce Conferences, lectures, and announcements (not of the Acoustical Society)

- of America) (in PACS, see also 01.10.Cr and 01.10.Fv)
- 43.10.Df Other acoustical societies and their publications, online journals, and other electronic publications
- 43.10.Eg Biographical, historical, and personal notes (not of the Acoustical Society of America) (in PACS, see also 01.60.+q)
- 43.10.Gi Editorials, Forum
- 43.10.Hj Books and book reviews (in PACS, see also 01.30.Vv)
- 43.10.Jk Bibliographies (in PACS, see also 01.30.Tt)
- 43.10.Km Patents
- 43.10.Ln Surveys and tutorial papers relating to acoustics research; tutorial papers on applied acoustics
- 43.10.Mq Tutorial papers of historical and philosophical nature
- 43.10.Nq News with relevance to acoustics, nonacoustical theories of interest to acoustics
- 43.10.Pr Information technology, internet, nonacoustical devices of interest to acoustics
- 43.10.Qs Notes relating to acoustics as a profession
- 43.10.Sv Education in acoustics, tutorial papers of interest to acoustics educators (in PACS, see also 01.40.-d and 01.50.-i)
- 43.10.Vx Errata
- 43.15.+s Standards (in PACS, see also 06.20.fb)
- 43.20.-f General linear acoustics
- 43.20.Bi Mathematical theory of wave propagation (see also 43.40.At)
- 43.20.Dk Ray acoustics
- 43.20.El Reflection, refraction, diffraction of acoustic waves (see also 43.30.Es)
- 43.20.Fn Scattering of acoustic waves (see also 43.30.Ft, Gv, Hw)
- 43.20.Gp Reflection, refraction, diffraction, interference, and scattering of elastic and poroelastic waves
- 43.20.Hq Velocity and attenuation of acoustic waves (see also 43.30.Bp, Cq, Es and 43.35.Ae, Bf, Cg)
- 43.20.Jr Velocity and attenuation of elastic and poroelastic waves
- 43.20.Ks Standing waves, resonance, normal modes (see also 43.25.Gf, 43.40.At, and 43.55.Br)
- 43.20.Mv Waveguides, wave propagation in tubes and ducts
- 43.20.Px Transient radiation and scattering
- 43.20.Rz Steady-state radiation from sources, impedance, radiation patterns, boundary element methods
- 43.20.Tb Interaction of vibrating structures with surrounding medium (see also 43.40.Rj)
- 43.20.Wd Analogies
- 43.20.Ye Measurement methods and instrumentation (see also 43.58.-e)
- 43.25.-x Nonlinear acoustics
- 43.25.Ba Parameters of nonlinearity of the medium
- 43.25.Cb Macrosonic propagation, finite amplitude sound; shock waves (see also 43.28.Mw and 43.30.Lz)
- 43.25.Dc Nonlinear acoustics of solids
- 43.25.Ed Effect of nonlinearity on velocity and attenuation
- 43.25.Fe Effect of nonlinearity on acoustic surface waves
- 43.25.Gf Standing waves; resonance (see also 43.20.Ks)
- 43.25.Hg Interaction of intense sound waves with noise
- 43.25.Jh Reflection, refraction, interference, scattering, and diffraction of intense sound waves (see also 43.30.Lz and 43.20.Fn)
- 43.25.Lj Parametric arrays, interaction of sound with sound, virtual sources (see also 43.30.Lz)
- 43.25.Nm Acoustic streaming
- 43.25.Qp Radiation pressure (see also 43.58.Pw)

43.25.Rq Solitons, chaos
 43.25.Ts Nonlinear acoustical and dynamical systems
 43.25.Uv Acoustic levitation
 43.25.Vt Intense sound sources
 43.25.Yw Nonlinear acoustics of bubbly liquids
 43.25.Zx Measurement methods and instrumentation for nonlinear acoustics (see also 43.58.-e)
 43.28.-g Aeroacoustics and atmospheric sound
 43.28.Bj Mechanisms affecting sound propagation in air, sound speed in the air
 43.28.Dm Infrasound and acoustic-gravity waves
 43.28.En Interaction of sound with ground surfaces, ground cover and topography, acoustic impedance of outdoor surfaces
 43.28.Fp Outdoor sound propagation through a stationary atmosphere, meteorological factors (see also 43.50.Vt)
 43.28.Gq Outdoor sound propagation and scattering in a turbulent atmosphere, and in non-uniform flow fields
 43.28.Hr Outdoor sound sources (see also 43.50.Lj, Nm, Sr)
 43.28.Js Numerical models for outdoor propagation
 43.28.Kt Aerothermoacoustics and combustion acoustics
 43.28.Lv Statistical characteristics of sound fields and propagation parameters (see also 43.50.Rq, 43.60.Cg)
 43.28.Mw Shock and blast waves, sonic boom (see also 43.25.Cb and 43.50.Pn)
 43.28.Py Interaction of fluid motion and sound, Doppler effect, and sound in flow ducts
 43.28.Ra Generation of sound by fluid flow, aerodynamic sound and turbulence
 43.28.Tc Sound-in-air measurements, methods and instrumentation for location, navigation, altimetry, and sound ranging (see also 43.30.Vh and 43.58.-e)
 43.28.Vd Measurement methods and instrumentation to determine or evaluate atmospheric parameters, winds, turbulence, temperatures, and pollutants in air (see also 43.58.-e)
 43.28.We Measurement methods and instrumentation for remote sensing and for inverse problems (see also 43.58.-e)
 43.30.-k Underwater sound
 43.30.Bp Normal mode propagation of sound in water
 43.30.Cq Ray propagation of sound in water
 43.30.Dr Hybrid and asymptotic propagation theories, related experiments
 43.30.Es Velocity, attenuation, refraction, and diffraction in water, Doppler effect
 43.30.Ft Volume scattering
 43.30.Gv Backscattering, echoes, and reverberation in water due to combinations of boundaries
 43.30.Hw Rough interface scattering
 43.30.Jx Radiation from objects vibrating under water, acoustic and mechanical impedance (see also 43.58.Bh)
 43.30.Ky Structures and materials for absorbing sound in water; propagation in fluid-filled permeable material
 43.30.Lz Underwater applications of nonlinear acoustics; explosions (see also 43.25.Cb, Lj)
 43.30.Ma Acoustics of sediments; ice covers, viscoelastic media; seismic underwater acoustics
 43.30.Nb Noise in water; generation mechanisms and characteristics of the field (see also 43.50.Nm and 43.28.Ra)
 43.30.Pc Ocean parameter estimation by acoustical methods; remote sensing; imaging, inversion, acoustic tomography
 43.30.Qd Global scale acoustics; ocean basin thermometry, transbasin acoustics
 43.30.Re Signal coherence or fluctuation due to sound propagation/scattering in the ocean

43.30.Sf Acoustical detection of marine life; passive and active
 43.30.Tg Navigational instruments using underwater sound
 43.30.Vh Active sonar systems
 43.30.Wi Passive sonar systems and algorithms, matched field processing in
 underwater acoustics (see also 43.60.Kx)
 43.30.Xm Underwater measurement and calibration instrumentation and procedures
 (see also 43.58.-e)
 43.30.Yj Transducers and transducer arrays for underwater sound; transducer
 calibration (see also 43.58.Vb)
 43.30.Zk Experimental modeling
 43.35.-c Ultrasonics, quantum acoustics, and physical effects of sound
 43.35.Ae Ultrasonic velocity, dispersion, scattering, diffraction, and
 attenuation in gases
 43.35.Bf Ultrasonic velocity, dispersion, scattering, diffraction, and
 attenuation in liquids, liquid crystals, suspensions, and emulsions
 (see also 43.30.Es, Ft, Gv, Hw)
 43.35.Cg Ultrasonic velocity, dispersion, scattering, diffraction, and
 attenuation in solids; elastic constants (see also 43.20.Gp, Jr)
 43.35.Dh Pretersonics (sound of frequency above 10 GHz); Brillouin scattering
 43.35.Ei Acoustic cavitation in liquids (see also 43.30.Nb)
 43.35.Fj Ultrasonic relaxation processes in gases, liquids, and solids
 43.35.Gk Phonons in crystal lattices, quantum acoustics (in PACS, see also
 63.20.-e)
 43.35.Hl Sonoluminescence
 43.35.Kp Plasma acoustics (in PACS, see also 52.35.Dm)
 43.35.Lq Low-temperature acoustics, sound in liquid helium (in PACS, see also
 67.25.dt)
 43.35.Mr Acoustics of viscoelastic materials
 43.35.Ns Acoustical properties of thin films (in PACS, see also 68.60.Bs)
 43.35.Pt Surface waves in solids and liquids (in PACS, see also 68.35.Iv and
 62.60.+v)
 43.35.Rw Magnetoacoustic effect; oscillations and resonance (in PACS, see also
 75.80.+q and 72.55.+s)
 43.35.Sx Acoustooptical effects, optoacoustics, acoustical visualization,
 acoustical microscopy, and acoustical holography (see also 43.60.Gk,
 Sx; in PACS, see also 78.20.hb)
 43.35.Ty Other physical effects of sound
 43.35.Ud Thermoacoustics, high temperature acoustics, photoacoustic effect
 43.35.Vz Chemical effects of ultrasound
 43.35.Wa Biological effects of ultrasound, ultrasonic tomography (see also
 43.40.Ng and 43.80.Gx, Jz, Sh)
 43.35.Xd Nuclear acoustical resonance, acoustical magnetic resonance
 43.35.Yb Ultrasonic instrumentation and measurement techniques (see also
 43.58.-e)
 43.35.Zc Use of ultrasonics in nondestructive testing, industrial processes, and
 industrial products
 43.38.-p Transduction; acoustical devices for the generation and reproduction
 of sound
 43.38.Ar Transducing principles, materials, and structures: general (see also
 43.30.Yj and 43.40.Yq)
 43.38.Bs Electrostatic transducers
 43.38.Ct Magnetostrictive transducers
 43.38.Dv Electromagnetic and electrodynamic transducers
 43.38.Ew Feedback transducers
 43.38.Fx Piezoelectric and ferroelectric transducers
 43.38.Gy Semiconductor transducers
 43.38.Hz Transducer arrays, acoustic interaction effects in arrays (see also
 43.30.Yj)

- 43.38.Ja Loudspeakers and horns, practical sound sources (see also 43.20.Rz and 43.38.Tj)
- 43.38.Kb Microphones and their calibration (see also 43.30.Yj and 43.40.Yq)
- 43.38.Lc Amplifiers, attenuators, and audio controls
- 43.38.Md Sound recording and reproducing systems, general concepts
- 43.38.Ne Mechanical, optical, and photographic recording and reproducing systems
- 43.38.Pf Hydroacoustic and hydraulic transducers
- 43.38.Qg Magnetic and electrostatic recording and reproducing systems
- 43.38.Rh Surface acoustic wave transducers (see also 43.25.Fe and 43.35.Pt)
- 43.38.Si Telephones, earphones, sound power telephones, and intercommunication systems
- 43.38.Tj Public address systems, sound-reinforcement systems (see also 43.55.Jz)
- 43.38.Vk Stereophonic reproduction
- 43.38.Wl Broadcasting (radio and television)
- 43.38.Yn Impulse transducers
- 43.38.Zp Acoustooptic and photoacoustic transducers (see also 43.35.Sx)
- 43.40.-r Structural acoustics and vibration
- 43.40.At Experimental and theoretical studies of vibrating systems (see also 43.20.Bi, Ks, Rz)
- 43.40.Cw Vibrations of strings, rods, and beams
- 43.40.Dx Vibrations of membranes and plates
- 43.40.Ey Vibrations of shells
- 43.40.Fz Acoustic scattering by elastic structures
- 43.40.Ga Nonlinear vibration
- 43.40.Hb Random vibration
- 43.40.Jc Shock and shock reduction and absorption
- 43.40.Kd Impact and impact reduction, mechanical transients
- 43.40.Le Techniques for nondestructive evaluation and monitoring, acoustic emission (see also 43.35.Zc)
- 43.40.Ng Effects of vibration and shock on biological systems, including man (see also 43.35.Wa, 43.50.Qp, and 43.80.-n)
- 43.40.Ph Seismology and geophysical prospecting; seismographs
- 43.40.Qi Effect of sound on structures, fatigue; spatial statistics of structural vibration
- 43.40.Rj Radiation from vibrating structures into fluid media
- 43.40.Sk Inverse problems in structural acoustics and vibration
- 43.40.Tm Vibration isolators, attenuators, and dampers (see also 43.55.Vj)
- 43.40.Vn Active vibration control
- 43.40.Yq Instrumentation and techniques for tests and measurement relating to shock and vibration, including vibration pickups, indicators, and generators, mechanical impedance
- 43.50.-x Noise: its effects and control
- 43.50.Ba Noisiness: rating methods and criteria
- 43.50.Cb Noise spectra, determination of sound power
- 43.50.Ed Noise generation (see also 43.28.Ra)
- 43.50.Fe Noise masking systems
- 43.50.Gf Noise control at source: redesign, application of absorptive materials and reactive elements, mufflers, noise silencers, noise barriers, and attenuators, etc. (see also 43.55.Dt)
- 43.50.Hg Noise control at the ear (see also 43.66.Vt)
- 43.50.Jh Noise in buildings and general machinery noise (see also 43.55.Ev, Fw, Rg)
- 43.50.Ki Active noise control
- 43.50.Lj Transportation noise sources: air, road, rail, and marine vehicles
- 43.50.Nm Aerodynamic and jet noise (see also 43.28.Ra)
- 43.50.Pn Impulse noise and noise due to impact (see also 43.40.Kd)

43.50.Qp Effects of noise on man and society (see also 43.66.Ed, and 43.80.Nd)
 43.50.Rq Environmental noise, measurement, analysis, statistical characteristics
 43.50.Sr Community noise, noise zoning, by-laws, and legislation
 43.50.Vt Topographical and meteorological factors in noise propagation
 43.50.Yw Instrumentation and techniques for noise measurement and analysis (see also 43.58.-e)
 43.55.-n Architectural acoustics
 43.55.Br Room acoustics: theory and experiment; reverberation, normal modes, diffusion, transient and steady-state response (see also 43.20.Fn, Ks)
 43.55.Cs Stationary response of rooms to noise; spatial statistics of room response; random testing
 43.55.Dt Sound absorption in enclosures: theory and measurement; use of absorption in offices, commercial and domestic spaces (see also 43.50.Jh)
 43.55.Ev Sound absorption properties of materials: theory and measurement of sound absorption coefficients; acoustic impedance and admittance
 43.55.Fw Auditorium and enclosure design (see also 43.50.Gf, Jh)
 43.55.Gx Studies of existing auditoria and enclosures
 43.55.Hy Subjective effects in room acoustics, speech in rooms
 43.55.Jz Sound-reinforcement systems for rooms and enclosures (see also 43.38.Tj)
 43.55.Ka Computer simulation of acoustics in enclosures, modeling (see also 43.58.Ta)
 43.55.Lb Electrical simulation of reverberation
 43.55.Mc Room acoustics measuring instruments, computer measurement of room properties (see also 43.58.Fm)
 43.55.Nd Reverberation room design: theory, applications to measurements of sound absorption, transmission loss, sound power
 43.55.Pe Anechoic chamber design, wedges
 43.55.Rg Sound transmission through walls and through ducts: theory and measurement
 43.55.Ti Sound-isolating structures, values of transmission coefficients (see also 43.50.Jh)
 43.55.Vj Vibration-isolating supports in building acoustics (see also 43.40.Tm; in PACS, see 07.10.Fq)
 43.55.Wk Damping of panels
 43.58.-e Acoustical measurements and instrumentation (see also specific sections for specialized instrumentation)
 43.58.Bh Acoustic impedance measurement (see also 43.30.Jx, 43.20.Rz, and 43.40.Yq)
 43.58.Dj Sound velocity
 43.58.Fm Sound level meters, level recorders, sound pressure, particle velocity, and sound intensity measurements, meters, and controllers (see also 43.55.Mc)
 43.58.Gn Acoustic impulse analyzers and measurements
 43.58.Hp Tuning forks, frequency standards; frequency measuring and recording instruments; time standards and chronographs
 43.58.Jq Wave and tone synthesizers
 43.58.Kr Spectrum and frequency analyzers and filters; acoustical and electrical oscillographs; photoacoustic spectrometers; acoustical delay lines and resonators (see also 43.40.Sk)
 43.58.Ls Acoustical lenses and microscopes (see also 43.35.Sx)
 43.58.Mt Phase meters
 43.58.Pw Rayleigh disks (see also 43.25.Qp)
 43.58.Ry Distortion: frequency, nonlinear, phase, and transient; measurement of distortion
 43.58.Ta Computers and computer programs in acoustics (see also 43.75.Wx,

43.55.Ka, 43.60.Gk, and 43.70.Jt)

43.58.Vb Calibration of acoustical devices and systems

43.58.Wc Electrical and mechanical oscillators

43.60.-c Acoustic signal processing

43.60.Ac Theory of acoustic signal processing

43.60.Bf Acoustic signal detection and classification, applications to control systems

43.60.Cg Statistical properties of signals and noise

43.60.Dh Signal processing for communications: telephony and telemetry, sound pickup and reproduction, multimedia

43.60.Ek Acoustic signal coding, morphology, and transformation

43.60.Fg Acoustic array systems and processing, beam-forming

43.60.Gk Space-time signal processing, other than matched field processing (see also 43.35.Sx)

43.60.Hj Time-frequency signal processing, wavelets

43.60.Jn Source localization and parameter estimation

43.60.Kx Matched field processing (see also 43.30.Wi)

43.60.Lq Acoustic imaging, displays, pattern recognition, feature extraction

43.60.Mn Adaptive processing

43.60.Np Acoustic signal processing techniques for neural nets and learning systems

43.60.Pt Signal processing techniques for acoustic inverse problems

43.60.Qv Signal processing instrumentation, integrated systems, smart transducers, devices and architectures, displays and interfaces for acoustic systems (see also 43.58.-e)

43.60.Rw Remote sensing methods, acoustic tomography

43.60.Sx Acoustic holography

43.60.Tj Wave front reconstruction, acoustic time-reversal, and phase conjugation

43.60.Uv Model-based signal processing

43.60.Vx Acoustic sensing and acquisition

43.60.Wy Non-stationary signal analysis, non-linear systems, and higher order statistics

43.64.-q Physiological acoustics

43.64.Bt Models and theories of the auditory system

43.64.Dw Anatomy of the cochlea and auditory nerve

43.64.Fy Anatomy of the auditory central nervous system

43.64.Gz Biochemistry and pharmacology of the auditory system

43.64.Ha Acoustical properties of the outer ear; middle-ear mechanics and reflex

43.64.Jb Otoacoustic emissions

43.64.Kc Cochlear mechanics

43.64.Ld Physiology of hair cells

43.64.Me Effects of electrical stimulation, cochlear implant

43.64.Nf Cochlear electrophysiology

43.64.Pg Electrophysiology of the auditory nerve

43.64.Qh Electrophysiology of the auditory central nervous system

43.64.Ri Evoked responses to sounds

43.64.Sj Neural responses to speech

43.64.Tk Physiology of sound generation and detection by animals

43.64.Vm Physiology of the somatosensory system

43.64.Wn Effects of noise and trauma on the auditory system

43.64.Yp Instruments and methods (see also 43.58.-e)

43.66.-x Psychological acoustics

43.66.Ba Models and theories of auditory processes

43.66.Cb Loudness, absolute threshold

43.66.Dc Masking

43.66.Ed Auditory fatigue, temporary threshold shift

43.66.Fe Discrimination: intensity and frequency

43.66.Gf Detection and discrimination of sound by animals
 43.66.Hg Pitch
 43.66.Jh Timbre, timbre in musical acoustics
 43.66.Ki Subjective tones
 43.66.Lj Perceptual effects of sound (see also 43.71.-k)
 43.66.Mk Temporal and sequential aspects of hearing; auditory grouping in relation to music
 43.66.Nm Phase effects
 43.66.Pn Binaural hearing
 43.66.Qp Localization of sound sources
 43.66.Rq Dichotic listening
 43.66.Sr Deafness, audiometry, aging effects
 43.66.Ts Auditory prostheses, hearing aids
 43.66.Vt Hearing protection (see also 43.50.Hg)
 43.66.Wv Vibration and tactile senses
 43.66.Yw Instruments and methods related to hearing and its measurement (see also 43.58.-e)
 43.70.-h Speech production
 43.70.Aj Anatomy and physiology of the vocal tract, speech aerodynamics, auditory kinetics
 43.70.Bk Models and theories of speech production
 43.70.Dn Disordered speech
 43.70.Ep Development of speech production
 43.70.Fq Acoustical correlates of phonetic segments and suprasegmental properties: stress, timing, and intonation
 43.70.Gr Larynx anatomy and function; voice production characteristics
 43.70.Jt Instrumentation and methodology for speech production research
 43.70.Kv Cross-linguistic speech production and acoustics
 43.70.Mn Relations between speech production and perception
 43.71.-k Speech perception
 43.71.An Models and theories of speech perception (see also 43.66.Ba)
 43.71.Bp Perception of voice and talker characteristics
 43.71.Es Vowel and consonant perception; perception of words, sentences, and fluent speech (see also 43.66.Lj)
 43.71.Ft Development of speech perception
 43.71.Gv Measures of speech perception (intelligibility and quality)
 43.71.Hw Cross-language perception of speech
 43.71.Ky Speech perception by the hearing impaired (see also 43.66.Ts)
 43.71.Lz Speech perception by the aging
 43.71.Qr Neurophysiology of speech perception
 43.71.Rt Sensory mechanisms in speech perception
 43.71.Sy Spoken language processing by humans
 43.72.-p Speech processing and communication systems
 43.72.Ar Speech analysis and analysis techniques; parametric representation of speech
 43.72.Bs Neural networks for speech recognition
 43.72.Ct Acoustical methods for determining vocal tract shapes
 43.72.Dv Speech-noise interaction
 43.72.Fx Talker identification and adaptation algorithms
 43.72.Gy Narrow, medium, and wideband speech coding
 43.72.Ja Speech synthesis and synthesis techniques
 43.72.Kb Speech communication systems and dialogue systems
 43.72.Lc Time and frequency alignment procedures for speech
 43.72.Ne Automatic speech recognition systems
 43.72.Pf Automatic talker recognition systems
 43.72.Qr Auditory synthesis and recognition
 43.72.Uv Forensic acoustics
 43.75.-z Music and musical instruments

43.75.Bc Scales, intonation, vibrato, composition
 43.75.Cd Music perception and cognition
 43.75.De Bowed stringed instruments
 43.75.Ef Woodwinds
 43.75.Fg Brass instruments and other lip-vibrated instruments
 43.75.Gh Plucked string instruments
 43.75.Hi Drums
 43.75.Kk Bells, gongs, cymbals, mallet percussion, and similar instruments
 43.75.Lm Free reed instruments
 43.75.Mn Pianos and other struck string instruments
 43.75.Np Pipe organs
 43.75.Pq Reed woodwind instruments
 43.75.Qr Flutes and similar wind instruments
 43.75.Rs Singing
 43.75.St Musical performance, training, and analysis
 43.75.Tv Electro-acoustic and electronic instruments
 43.75.Wx Electronic and computer music
 43.75.Xz Automatic music recognition, classification, and information retrieval
 43.75.Yy Instrumentation and measurement methods for musical acoustics
 43.75.Zz Analysis, synthesis, and processing of musical sounds
 43.80.-n Bioacoustics
 43.80.Cs Acoustical characteristics of biological media: molecular species, cellular level tissues
 43.80.Ev Acoustical measurement methods in biological systems and media
 43.80.Gx Mechanisms of action of acoustic energy on biological systems: physical processes, sites of action (in PACS, see also 87.50.Y-)
 43.80.Jz Use of acoustic energy (with or without other forms) in studies of structure and function of biological systems (in PACS, see also 87.50.Y-)
 43.80.Ka Sound production by animals: mechanisms, characteristics, populations, biosonar (see also 43.30.Nb and 43.64.Tk)
 43.80.Lb Sound reception by animals: anatomy, physiology, auditory capacities, processing (see also 43.64.Tk, 43.66.Gf)
 43.80.Nd Effects of noise on animals and associated behavior, protective mechanisms (see also 43.50.Qp, 43.64.Tk)
 43.80.Pe Agroacoustics
 43.80.Qf Medical diagnosis with acoustics (in PACS, see also 87.63.D-)
 43.80.Sh Medical use of ultrasonics for tissue modification (permanent and temporary) (in PACS, see also 87.50.Y-)
 43.80.Vj Acoustical medical instrumentation and measurement techniques (see also 43.66.Ts and 43.58.-e)