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Dean of Institute of Health and Environment, Seoul National University
Chairman of the ISC(International Scientific Committee) of IOHA 2020
Associate president of the KIHA (Korean Industrial Hygiene Association)



PROFESSIONAL OBJECTIVE

An Inspirational Education and Research in Occupational Health

I. Address

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II. Education

- Ph. D. – Occupational Hygiene in Pubic Heath, Graduate School of Public Heath, Seoul National University, 1996~1999. Doctoral Thesis: A study on fume generation rates and airborne hexavalent chromium in welding process.
- M.P.H. – Environmental Health, School of Public Heath, Seoul National University, 1992. Master Thesis: A study on Polynuclear Aromatic Hydrocarbons by Coking Time and Sampling Method in a Coke Oven Plant.
- B.S. – Food Engineering, Seoul National University, 1986

Additional Training

Leadership Program: The Seven Habits of Highly Effective People. Franklin Covey CO. January, 2004 and May, 2005.

Innovative Teaching Technique, Korean Leadership Center, August 23~24, 2004.

The Coaching Clinic Training Program, February, 2005, Corporate Coach Korea.

Voice Training for Better Teaching, Center for Teaching & Learning, Seoul National University, 2011.

AHERA Asbestos Building Inspector Training (Approved by US EPA under CFR 763(AHERA). META Inc., June, 2009.

AHERA Asbestos Building Inspector Refresher Course, META Inc., June, 2010.

SAS Education: Analytical Strategy of Medical and Health Research Data using SAS, SAS Korea, December 21~22, 2012.

Several PDC (Professional Development Courses) during AIHCE Conference including Nanotechnology: Wonders and Worries (June 2, 2007). Bayesian Statics: Overview and Applications in IH Data Interpretation and Exposure Risk Assessment (PDC 102, May 14, 2011). Worker Fatigue Risk Management: Applying New Standards to Improve Health and Safety (PDC 112, June 16, 2012), PDC 410: Fatigue Management-Applying New ANSI Standards to Improve Health and Safety (PDC 410, May 19, 2013)

IRB Training (Human Research-Basic Course), # K2014-9378649, The Collaborative Institutional Training Initiative (CITI) Program at the University of Miami. April, 2014.

III. Professional Experience

Professor, School of Public Health, Seoul National University, Sep. 2016 - Present

Associate Professor, School of Public Health, Seoul National University, Sep. 2010 - 2015

Assistant Professor, School of Public Health, Seoul National University, Aug 2007 – Aug. 2010

Visiting Associate Professor, School of Occupational and Environmental Health, University of British Columbia (UBC), September. 2006 – August. 2008

BRIDGE program strategic fellow, UBC, September 2006 – August, 2007

Associate Professor, Catholic University of Daegu, March 2005 – July 2007

Assistant Professor, Catholic University of Daegu, March 2001 – February 2005

Chief Researcher, Wonjin Institute for Environmental and Occupational Health, 1999-2000

Adjunct Professor, Hansung Univeristy, 1999-2000.

Researcher, Health Research Institute, Seoul National University, 1993-1996.

Researcher, Research Institute of Korea Yakult Company, 1988-1990

IV. Professional Recognition/Honors

Certified Industrial Hygienist, American Board of Industrial Hygiene, Since 2001

AHERA Asbestos Inspector (2009, 2010) under Section 206 of TSCA Title II, 15 U.S.C. 2646

Professional Engineer Industrial Hygiene, Human Resource Development Service of Korea, Since 1996

Engineer Industrial Hygiene, by Human Resource Development Service of Korea, Since 1992.
Scholarship for research in abroad from LG yonam Foundation, 2006
Best Conference Paper, ISRP (International Society for Respiratory Protection), 17th ISRP
International Conference (21st~25th, September, Prague, Czech Republic), 2014
Best Paper (in oral presentation), Real-time Monitoring of Particulate Matters and Total Volatile
Organic Compounds during 3D printer operation. Korean Industrial Hygiene Association,
2014.
Best Paper (in oral presentation), Measurement of background concentrations for the engineered
and incidental nanoparticle generating workplaces . Korean Industrial Hygiene Association.
2013.
Best Paper (in poster presentation), Understanding of Korean Occupational Exposure Limit for
Management of Chemicals, Korean Industrial Hygiene Association, 2013.
Best Paper Award (Best of Session, 2nd Place Conference), Urinary Excretion of Cadmium and
Type 2 Diabetes among Residents Nearby to Sihwa-Banwol Industrial Complex in Korea,
AIHCE, Portland, 2011.
Best Paper Award in Science & Technology, The Korean Federations of Science and Technology
Societies, 1994.

V. Professional Affiliations

American Industrial Hygiene Association, 1993 – Current
American Conference of Governmental Industrial Hygienists, 1994-1997
International Commission on Occupational Health, 2013-Current
Korean Industrial Hygiene Association, 1990-Current
Korean Society of Environmental Health, 1991- Current
Korean Society of Analytical Sciences, 1998-Current
Associate Editor of Editorial Board in SH@W (Safety and Health @ Work), 2015.2~2017.1
(<http://ees.elsevier.com/shaw/>)
Editorial Board member of Frontiers, since, 2014 (<http://www.frontiersin.org>).

VI. Research Interests

General Industrial Hygiene; Workplace Evaluation
Chemical Analysis; GC, AAS, ICP, Phase Contrast Microscopy
Citizen's 24 hour exposure assessment
Exposure assessment of nano particle
Exposure assessment of asbestos
Indoor Air quality
Welding Fume/Asbestos
EHS Audit

VII. Publications(SCI or equivalent international since 2007)

69. (Corresponding Author) Seunghon Ham , Sungho Hwang, Chungsik Yoon. Comparison of Methods for Pretreatment and Quantification of Bulk Asbestos Samples for Polarized Light Microscopy Analysis to Evaluate Asbestos-Containing Waste. *Sustainability*. 2019;11: 6440; doi:10.3390/su11226440
68. (Corresponding Author) Haejoon Jeon, Jihoon Park, Sunju Kim, Kyungho Park, Chungsik Yoon. Effect of nozzle temperature on the emission rate of ultrafine particles during 3D printing. *Indoor Air* (accepted)
67. (Corresponding Author) Miyeon Jang, Chungsik Yoon, Jihoon Park, Ohhun Kwon. Evaluation of Hazardous Chemicals with Material Safety Data Sheet and By-products of a Photoresist Used in the Semiconductor-Manufacturing Industry. *Safety and Health at Work*. 2019;10: 114-121. <https://doi.org/10.1016/j.shaw.2018.08.001>
66. (Corresponding author) Hyunhee Park, Eunsong Hwang, Chungsik Yoon.. *Aerosol and Air Quality Research*. 2019 (accepted and On line); doi: 10.4209/aaqr.2019.05.0251
65. (Corresponding author) Jinho Lee, Danbi Yoo, Seunghun Ryu, Seunghon Ham, Kiyoung Lee, Myoungsok Yeo, Kyoungbok Min, Chungsik Yoon. Quantity, Size Distribution, and Characteristics of Cough-generated Aerosol Produced by Patients with an Upper Respiratory Tract Infection. *Aerosol and Air Quality Research*. 2019;19:840–853. doi: 10.4209/aaqr.2018.01.0031
- 64 (Coauthor) Jin-young Min, Hye-Jin Kim, Chungsik Yoon, Kiyoung Lee, Myoungsok Yeo, Kyoungbok Min. Tuberculosis infection via the emergency department among inpatients in South Korea: a propensity score matched analysis of the National Inpatient Sample. *Journal of Hospital Infection*. 2018;100(1): 92-98. <https://doi.org/10.1016/j.jhin.2018.03.031>
- 63 (Coauthor) Jin-young Min, Hye-Jin Kim, Chungsik Yoon, Kiyoung Lee, Myoungsok Yeo, Kyoungbok Min. Hospital-Acquired Pneumonia among Inpatients via the Emergency Department: A Propensity-Score Matched Analysis. *Int. J. Environ. Res. Public Health*. 2018; 15: 1178 doi:10.3390/ijerph15061178.
62. (Coauthor) Sangjun Choi, Chungsik Yoon, Seungwon Kim, Won Kim, Kwonchul Ha , Jeeyeon Jeong, Jongcheul Kim, Jungah Shin, Donguk Park. Comprehensive Evaluation of Hazardous Chemical Exposure Control System at a Semiconductor Manufacturing Company in South Korea. *Int. J. Environ. Res. Public Health*. 2018; 15: 1162; doi:10.3390/ijerph15061162.
61. (Coauthor) Sangjun Choi, Wonseok Cha, Jihoon Park, Seungwon Kim, Won Kim, Chungsik Yoon, Ju-Hyun Park, Kwonchul Ha, Donguk Park. Extremely Low Frequency-Magnetic Field (ELF-MF) Exposure Characteristics among Semiconductor Workers. *Int. J. Environ. Res. Public Health*. 2018;15: 642; doi:10.3390/ijerph15040642.
60. (Corresponding author) Jihoon Park, Chungsik Yoon, Kiyoung Lee. Comparison of modeled estimates of inhalation exposure to aerosols during use of consumer spray products. *International Journal of Hygiene and Environmental Health*.2018;221: 941–950.
59. (Corresponding author) Sunju Kim, Chungsik Yoon, Seunghon Ham, Jihoon Park, Ohun Kwon,

- Donguk Park, Sangjun Choi, Seungwon Kim, Kwonchul Ha & Won Kim. Chemical use in the semiconductor manufacturing industry, *International Journal of Occupational and Environmental Health*. 2018;24(3-4), 109-118, DOI: 10.1080/10773525.2018.1519957
58. (Corresponding author) Sung Ho Hwang, Dong Uk Park, Chung Sik Yoon. Levels of airborne biological agents and related factors in indoor environments of fish toxicity laboratory. *Human and Ecological Risk Assessment: An International Journal*, DOI: 10.1080/10807039.2017.1321955
57. (Corresponding author) Sungho Hwang, Yeji Ko, Donguk Park, Chungsik Yoon. Seasonality in airborne bacterial, fungal, and (1→3)- β -D-glucan concentrations in two indoor laboratory animal rooms. *J Clin Pathol*. 2017; 10:1–8. doi:10.1136/jclinpath-2017-204377
56. (Corresponding Author) Seunghon Ham, Sunju Kim, Naroo Lee, Pilje Kim, Igchun Eom, Byoungcheun Lee, Perng-Jy Tsai, Kiyoung Lee, Chungsik Yoon, Comparison of data analysis procedures for real-time nanoparticle sampling data using classical regression and ARIMA models. , *Journal of applied statistics*, 2017;44(4):685-699. DOI: 10.1080/02664763.2016.1182132 Chief Investigator of the project; <Korean Occupational Safety and Health Agency> [2013-OSHRI-597]; <BK21 Plus project> [No.5280-20140100]; <National Institute of Environmental Research of Korea> [2012-Nano R&D].
55. (Corresponding author) Ohhun Kwon, Chungsik Yoon, Seunghon Ham, Jihoon Park, Jinho Lee, Danbi Yoo, and Yoojin Kim. Characterization and Control of Nanoparticle Emission during 3D Printing. *Sci. Technol*. 2017; 51:10357–10368. DOI:10.1021/acs.est.7b01454
54. (Corresponding author) Jihoon Park, Seunghon Ham, Miyeon Jang, Jinho Lee, Sunju Kim, Sungkyoon Kim, Kiyoung Lee, Donguk Park, Jungtaek Kwon, Hyunmi Kim, Pilje Kim, Kyunghye Choi, and Chungsik Yoon. Spatial–Temporal Dispersion of Aerosolized Nanoparticles During the Use of Consumer Spray Products and Estimates of Inhalation Exposure. *Environ. Sci. Technol*. 2017; 51: 7624–7638. DOI:10.1021/acs.est.7b00211
53. (Coauthor) Ying-Fang Wang, Shih-Min Wang, Yu-Chieh Kuo, Chungsik Yoon, Ya-Fen Wang, Perng-Jy Tsai. Long-term Multiple Chemical Exposure Assessment for a Thin Film Transistor Liquid Crystal Display (TFT-LCD) Industry. *Aerosol and Air Quality Research*, 2017: 17: 2891–2900, doi: 10.4209/aaqr.2017.08.0299
52. (Corresponding Author) Seunghon Ham, Chungsik Yoon, Sunju Kim, Jihoon Park, Ohun Kwon, Jungjin Heo, Donguk Park, Sangjun Choi, Seungwon Kim, Kwonchul Ha, Won Kim. Arsenic Exposure during Preventive Maintenance of an Ion Implanter in a Semiconductor Manufacturing Factory. *Aerosol and Air Quality Research*, 2017;17: 990–999. doi: 10.4209/aaqr.2016.07.0310
51. (Corresponding Author) Seunghon Ham, Naroo Lee, Igchun Eom, Byoungcheun Lee, Perng-Jy Tsai, Kiyoung Lee, Chungsik Yoon. Comparison of Real Time Nanoparticle Monitoring Instruments in the Workplaces. *Safety and Health at Work*. 2016. 7: 381-388
50. (Corresponding Author) HWANG, S. H., YOON, C. S, Main environmental factors affecting concentrations of culturable airborne bacteria in indoor laboratories over a period of one year. *Applied Ecology and Environmental Research*. 2016. 15(1): 321-333.
49. (Coauthor) Yu-Cheng Chen, Yu-Chieh Kuo, Mei-Ru Chen, Ying-Fang Wang, Ching-Hwa Chen,

- Ming-Yeng Lin, Chungsik Yoon, Perng-Jy Tsai, Reducing polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) emissions from a real-scale iron ore sinter plant by adjusting its sinter raw mix. *Journal of Cleaner Production* 2016, 112: 1184-1189.
48. (Corresponding Author) Sung HoHwang, DongJinPark, WhaMePark, DongUkPark, JaeKyoungAhn, Chung SikYoon, Seasonal variation in airborne endotoxin levels in indoor environments with different micro-environmental factors in Seoul, South Korea, *Environmental Research*. 2016, 145:101-108, Chief Investigator of the project; the National Research Foundation of Korean (NRF) funded by the Ministry of Science, ICT and Future Planning (2015R1C1A1A02037363).
47. (Corresponding Author) Park JH, Kang TS, Jin SH, Heo H, Kim KR, Lee KS, Tsai PJ, Yoon CS, Asphyxiation Incidents by Hydrogen Sulfide at Manure Storage Facilities of Swine Livestock Farms in Korea. *Agromedicine*, 2015 (accepted). Chief Investigator of the project; The Research on Welfare of Farmer and Animal in Livestock farm (II), Rural Development Administration, 2013-01-01~2013-12-31.
46. (Coauthor) Seungeun Lee, Shinah Kang, Chemmeri Padasseri Bivila, Chungsik Yoon, Jeongsun Yang, Naomichi Yamamoto, Removal of Viable Airborne Fungi from Indoor Environments by Benzalkonium Chloride-Based Aerosol Disinfectants. *Human and Ecological Risk Assessment*, 00: 1–15, 2015. ISSN: 1080-7039 print / 1549-7860 online. DOI:10.1080/10807039.2015.1032886. Published online 18, Apr 2015
45. (Coauthor) Yu-Cheng Chen, Yu-Chieh Kuo, Mei-Ru Chen, Ying-Fang Wang, Ching-Hwa Chen, Ming-Yeng Lin, Chungsik Yoon , Perng-Jy Tsai, Reducing polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) emissions from a real-scale iron ore sinter plant by adjusting its sinter raw mix. *Journal of Cleaner Production* xxx (2015) 1-6
44. (Corresponding Author) Seunghon Ham, Sunju Kim, Naroo Lee, Pilje Kim, Igchun Eom, Perng-Jy Tsai, Kiyoun Lee, Chungsik Yoon. Comparison of nanoparticle exposure levels based on facility type—small-scale laboratories, large-scale manufacturing workplaces, and unintended nanoparticle-emitting workplaces. . *Air Qual and Aersol Res*. 2015. x: 1–12, xxxx, ISSN: 1680-8584 print / 2071-1409 online. doi: 10.4209/aaqr.2015.03.0141 ; PI of the project; Exposure Assessment and Development of Measurement Protocol of Nanomaterials at the Workplaces, Occupational Safety and Health Research Institute, Principal Investigator, 2013-03-14~2013-10-31
43. (Corresponding Author) Jieun Lee, Chungsik Yoon, Seunghon Ham, Perng-Jy Tsai. Optimal Treatment Condition for Changing Characteristics of Naturally Occurring Asbestos. *Air Qual and Aersol Res*. 2015; 15:2332-2345. doi: 10.4209/aaqr.2015.02.0108; PI of the project; Evaluation of physico-chemical changes of asbestos fiber according to various detoxification methods for asbestos and asbestos containing products (II), National Research Foundation of Korea. 2013-05-01~2014-04-30
42. (Corresponding Author) Taesun Kang, Oisaeng Hong, Kyoosang Kim, Chungsik Yoon. Hearing among male firefighters: A comparison with hearing data from screened and unscreened male population. *J. Expo. Sci. Environ. Epi.*, 2015, 25(1): 106-112. (IF 3.050).; Co-PI; . BK(Brain Korea) 21 Plus: Center for Healthy Environment Education & Research(CHEER)(I), Ministry of Education, 2013-09-01~2014-02-28.
41. (Corresponding Author) Park JH, Lee LK, Byun HJ, Ham SH, Lee IM, Park JI, Rhie KW, Lee YK, Yeom JS, Tsai P, Yoon CS. A Study of the Volatile Organic Compound Emissions at the Stacks of

- Laboratory Fume Hoods in a University Campus. *J. Clean. Prod.*, 2014, 66:10-18 (IF 3.398). .
BK(Brain Korea) 21 Plus: Center for Healthy Environment Education & Research(CHEER)(I),
 Ministry of Education, 2013-09-01~2014-02-28.
40. (Corresponding Author) Jung HJ, Kim JB, Lee SJ, Lee JH, Kim JY, Tsai P, Yoon CS. Comparison of Filtration Efficiency and Pressure Drop in Anti-Yellow Sand Masks, Quarantine Masks, Medical Masks, General Masks, and Handkerchiefs. *Aero. Air Qual. Res.*, 2014,14: 991-1002. (IF 2.827). PI of the Project; Evaluation of Masks used by Citizens, 3M Korea and Co-PI of BK 21 Plus. 2013.
 - 39.(Corresponding Author) Hwang SH, Park HH, Yoon CS. Analysis of variation in total airborne bacteria concentration to assess the performance of biological safety cabinets in microbial laboratories. *Safety and health at work*, 2014, 5(1) 23-26. PI of A study of working environment guideline and management of biohazard handling workers - Focus on the biosafety laboratory-(I) . Occupational Safety and Health Research Institute, Principal Investigator, 2008-05-23~2008-11-28.
 38. (Coauthor) Hsin-I Hsu, Ming-Yeng Lin, Yu-Cheng Chen, Wang-Yi Chen, Chungsik Yoon, Mei-Ru Chen, and Perng-Jy Tsai. An Integrated Approach to Assess Exposure and Health-Risk from Polycyclic Aromatic Hydrocarbons (PAHs) in a Fastener Manufacturing Industry. *Int. J. Environ. Res.*, 2014, 11: 9578-9594, doi:10.3390/ijerph110909578. (IF 1.818)
 37. (Coauthor) Ching-Hwa Chen, Jhy-Charm Soo, Li-Hao Young, Trong-Nen Wu, Chungsik Yoon, Chane-Yu Lai, Perng-Jy Tsai. Effect of the Quartz Particle Size on XRD Quantifications and Its Implications for Field Collected Samples. *Aero. Air Qual. Res.*, 2014, 14: 1573–1583, 2014. (IF, 2.664)
 36. (Corresponding Author) Jung HJ, Lee SJ, Lee JH, Kim JY, Tsai PJ, Yoon CS. Total Inward Leakage (TIL) Testing of Anti-yellow Sand and Quarantine Masks Using NaCl Aerosol . *J. Int. Soc. Resp. Prot.*, 2014, 31(2) 104-115. PI of the Project; Evaluation of Masks used by Citizens, 3M Korea and Co-PI of BK 21 Plus. 2013.
 35. (Coauthor) Park DU, Lee KM, Ryu SH, Kim SB, Yoon CS, Ha KC. Characteristics of Particulate Matter Generated while Handling Municipal Household Waste. *J. Occup. Health*, 2013, 55:503-510, (IF 1.634) .
 34. (Coauthor) Park DU, Ryu SH, Kim SB, Byun HJ, Yoon CS, Lee KM. Airborne Bacteria and Fungi Associated with Waste-handling Work. *Int. J. Occup. Environ. Health.*, 2013, 19(4):311-318. (IF 1.176).
 33. (Corresponding Author) Kim W, Choi IJ, Jung YH, Lee JH, Min SJ, Yoon CS. Phthalate Levels in Nursery Schools and Related Factors. *Environ. Sci. Tech.*, 2013, 47(21):12459-12468. (IF 5.257).
 32. (Corresponding Author) Hwang SH, Park DU, Yoon CS. Biosafety Assessment and Airborne Fungal Concentration as an Evaluation Index in University Laboratories and Hospital Diagnostic Korean Laboratories. *Hum. Ecol. Risk Asses: An Internat. J.*, 2013 19(1):137-144. (IF 1.292). PI of A study of working environment guideline and management of biohazard handling workers - Focus on the biosafety laboratory-(I) , Occupational Safety and Health Research Institute, Principal Investigator, 2008-05-23~2008-11-28.
 31. (Coauthor) Lee KY, Yeom JS, Yoon CS, Yang WH, Son BS, Jeon JM, Yu SD, Park CH. Seasonal and Geographic Effects on Predicting Personal Exposure to Nitrogen Dioxide by Time-weighted Microenvironmental Model. *Atm. Environ.*, 2013, 67:143-148. (IF 3.110).
 30. (Corresponding Author) Hwang SH, Lee IM, Yoon CS. Levels of Total Airborne Bacteria, Gram-Negative Bacteria, and Endotoxin According to Biosafety Levels in Korean Biosafety Laboratories. *Hum. Ecol. Risk Asses: An Internat. J.*, 19(6):1576-1585. 2013. (IF 1.292). PI of A study of working environment guideline and management of biohazard handling workers - Focus on the biosafety laboratory-(I) , Occupational Safety and Health Research Institute, Principal Investigator, 2008-05-23~2008-11-28.
 29. (Corresponding Author) Kang TS, Lee LK, Kang SC, Yoon CS, Park DU, Kim RH. Assessment of Noise Measurements Made with a Continuous Monitoring in Time. *J. Acoust. Soc. Am.*, 2013 4(1):822-831. 2013. (IF 1.646). PI of New Paradigm for Hazardous Agents Exposure Monitoring: A Trial Approach Using 24 Hour Real Time Personal Exposure Monitoring(III) ,National Research Foundation of Korea, Principal Investigator, 2011-05-01~2012-04-30
 28. (Corresponding Author) Hwang SH, Lee IM, Lee YK, Park JI, Rhie KW, Park DU, Yoon CS. Characterization of the Monthly Variation in (1→3)-β-D-glucan Concentrations in University Laboratories. *Environ. Moni. Assess.*, 2013, 185(11):8803-8808. (IF 1.592). PI of A study of working

- environment guideline and management of biohazard handling workers, Occupational Safety and Health Research Institute, 2009.03.26~2009-10-31.
27. (Corresponding Author) Ham SH, Yoon CS, Lee ES, Lee KY, Park DU, Chung EK, Kim PJ, Lee BC, Task-based exposure assessment of nanoparticles in the workplace. *J. Nanopart. Res.*, 2012, 14:1126. DOI 10.1007/s11051-012-1126-8. 2012. (IF 2.278). PI of Exposure Assessment and Management Guideline in Occupational Settings Relevant to Engineered Nanomaterial (I) , Occupational Safety and Health Research Institute, 2010-03-16~2010-10-31.
 26. (First & Corresponding Author) Chungsik Yoon, Kyongnam Ryu, Junghyun Kim, Kiyoung Lee, Donguk Park, New approach for particulate exposure monitoring: determination of inhaled particulate mass by 24 h real-time personal exposure monitoring, *J. Exp. Sci. Environ. Epi.*, 2012, 22(4):344-351. (IF 3.187). PI of New Paradigm for Hazardous Agents Exposure Monitoring: A Trial Approach Using 24 Hour Real Time Personal Exposure Monitoring (I) , National Research Foundation of Korea, 2009-05-01~2010-04-30.
 25. (Corresponding Author) Cho HW, Yoon CS, Workplace field testing of the pressure drop of particulate respirators using welding fume. *Ann. Occup. Hyg.*, 2012, 56(8): 948-958. (IF 2.157). PI of Evaluation of Particulate Respirator using Real Workplace Aerosol. 3M Korea. 2010.
 24. (Corresponding Author) Park JY, Yoon CS, Byun HJ, Kim YH, Park DU, Ha KC, Chung EK, Lee SM, Park SK, Evaluation of workers exposed to ethylene glycol monomethyl ether and ethylene glycol monomethyl ether acetate. *J. Occup. Health*, 2012, 54:141-146. (IF 1.634).
 23. (First & Corresponding Author, *Editorial*) Chungsik Yoon, Much Concern but Little Research on Semiconductor Occupational Health Issues. *J Kor. Med. Sci.*, 2012, 27: 461-464. (IF 1.249).
 22. (Coauthor) Hsu HH, Wang SM, Chen WY, Wang YF, Young LH, Huang YS, Yoon CS, Tsai PJ. Assessing long-term oil mist exposure to workers in a fastener manufacturing industry using the Bayesian decision analysis technique. *Aero. Air Qual. Res.*, 2012, 1-9. (IF 2.827).
 21. (Corresponding Author) Hyunwoo Cho, Chungsik Yoon, Jinho Lee, Seungjoo Lee, Andrew Viner, Eric W Johnson, Comparison of pressure drop and filtration efficiency of particulate respirators using welding fumes and sodium chloride, *Ann. Occup. Hyg.*, 2011, 55(6), 666-680. (IF 2.157). PI of Evaluation of Particulate Respirator using Real Workplace Aerosol. 3M Korea. 2010.
 20. (First & Corresponding Author) Yoon CS, Lee KY, Park DU, Indoor air quality differences between urban and rural preschools in Korea. *Enviro. Sci. and Pollut. Res.*, 2011, 18(3), 333 ~ 345, (IF 2.757). Co-PI of A Study on the development of Indoor Air Quality Guidelines, National Institute of Environmental Research, 2008-06-18~2009-06-17.
 19. (Corresponding Author) Hwang SH, Park DU, Joo SI, Park HH, Yoon CS. Comparison of endotoxin levels and Gram-negative bacteria under different conditions in microbial laboratories and a biowaste site. *Chemosph*, 2011, 85(1), 135-139, 2011. (IF 3.206). PI of A study of working environment guideline and management of biohazard handling workers, Occupational Safety and Health Research Institute, 2009.03.26~2009-10-31.
 18. (Corresponding Author) Hwang SH, Park DU ,Ha KC, Cho HW, Yoon CS, Airborne bacteria concentrations and related factors at university laboratories, hospital diagnostic laboratories and a biowaste site. *J. Clin. Path.*, 2011, 64(3), 261-264, (IF 2.306).). PI of A study of working environment guideline and management of biohazard handling workers, Occupational Safety and Health Research Institute, 2009.03.26~2009-10-31.
 17. (Corresponding Author) Hwang SH, Yi TW, Cho KH, Lee IM. Testing the performance of microbiological safety cabinets used in microbiology laboratories in South Korea, *Lett. Appl. Microb.*, 2011, 1-5, (IF 1.622). PI of A study of working environment guideline and management of biohazard handling workers - Focus on the biosafety laboratory-(I) , Occupational Safety and Health Research Institute, Principal Investigator, 2008-05-23~2008-11-28.
 16. (Corresponding Author) Shin MA, Paek DM, Yoon CS, The relationship between the bone mineral density and urinary cadmium concentration of residents in an industrial complex, *Env. Res.*, 2011, 111(1), 101 ~ 109. (IF 3.951). Co-PI of Assessment of Environmental Pollutants and Biological Monitoring In Sihwa-Banwol Complex(IV) , National Institute of Environmental Research, 2008-07-25~2009-05-24

15. (Corresponding Author) Hwang GS, Yoon CS, Jung HS, Kim YB, Evaluation of an Incentive-based obesity management program in a workplace. *Int. J. Occup. Safety and Ergo(JOSE)*, 2011, 17(2), 147-154. (IF 0.354).
14. (Coauthor) Gyu-Seok Hwang, Jae-Wook Choi, Young Yoo, Ji-Tae Choung and Chung-Sik Yoon, Residential Environmental Risk Factors for Childhood Asthma Prevalence in Metropolitan and Semirural Cities in Korea. *Asia-Pacif. J. Pub. Health*, 2011, 1-10, (DOI: 10.1177/1010539510373139 online published). (IF 1.056).
13. (Coauthor) Gyu-Seok Hwang, Jae-Wook Choi, Seoung-Hyung Choi, Seoung-Gil Lee, Kyung-Hee Kim, Yong-Min Cho and Chungsik Yoon, Effects of a Tailored Health Promotion Program to Reduce Cardiovascular Disease Among Middle-Aged and Advanced-Age Bus Drivers, *Asia-Pacif. J. Pub. Health.*, 2011 (DOI: 10.1177/1010539510373140, online published). (IF 1.056).
12. (Coauthor) Dong-Uk Park, Seung-Hun Ryu, Shin-Bum Kim, Chung-Sik Yoon, An Assessment of Dust, Endotoxin, and Microorganism Exposure during Waste Collection and Sorting, *J. Air & Wast. Manag. Assoc.*, 2011, 61; 461-468, (IF 1.567).
11. (Coauthor) Yang WH, Lee KY, Yoon CS, Yu SD, Park KH, Choi WH, Determinants of residential indoor and transportation activity times in Korea, *J. Exp. Sci. Environ. Epi.*, 2011, 21:310-316. (IF 2.932).
10. (Corresponding Author) Byun HJ, Ryu KN, Jang KJ, Bae HJ, Kim DG, Shin HS, Chu JG, Yoon CS, Socioeconomic and personal behavioral factors affecting childrens' exposure to VOCs in urban areas in Korea. *J. Environ. Monit.*, 2010, 12(2), 524-535, (IF 1.810). Chief Investigator of the Project; Assessment of Environmental Pollutant by Residential Area and Economic Status in Metropolitan City in Korea (III) , National Institute of Environmental Research, Chief Investigator, 2009-04-15~2009-12-14.
9. (Coauthor) Kim SB, Yoon CS, Park DU, Vaporization and Conversion of Ethanolamines used in Metalworking Operations, *Safety and health at work*, 2010, 175 ~ 182.
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