

CURRICULUM VITAE

For

KHIM, JONG SEONG

September 1, 2008

BORN: Seoul, Korea: *June 1, 1974*

CITIZENSHIP: Republic of Korea

MARRIED: Wife: Han, Yeon Sun: *February 23, 1975*
Daughter: Song Hyeon Khim: *December 29, 2007*

LANGUAGES: Korean, English

EDUCATION:

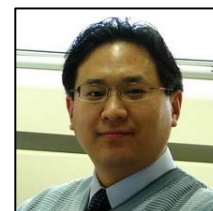
- B.S., Dept of Oceanography, Seoul National University, Seoul, Korea: *February, 1998*
- M.S., Dept of Oceanography, Seoul National University, Seoul, Korea: *February, 2000*
- Ph.D., School of Earth & Environmental Sciences, Seoul National University, Seoul, Korea: *August, 2006*

POSITION: Research Associate and Laboratory Manager
Toxicology Centre, University of Saskatchewan
Saskatoon, Saskatchewan, Canada

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ENTRIX, Saskatoon, Saskatchewan, Canada

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RESEARCH INTEREST:

- Marine Ecology, Ecotoxicology, Environmental Chemistry & Toxicology
- Biochemical & Molecular Toxicology (Biomarkers)
- Persistent Organic Pollutants (PCDD/DFs, PCBs, PCNs, PAHs, & OC pesticides)
- Endocrine Modulating Compounds (Alkylphenols, Bisphenol A, & Pharmaceuticals)
- Perfluorinated and Brominated Compounds
- Ecological Risk Assessment, Sediment Toxicity Assessment
- Tidal Flats & Coastal Ecosystem Management

RESEARCH EXPERIENCES:

- Visiting Researcher, Aquatic Toxicology Lab, Michigan State Univ., USA: **1998-2002**
- Visiting Scientist, Aquatic Toxicology Lab, Michigan State Univ., USA: **2004-2005**
- Research Associate, Institute of Oceanography, Seoul Nat'l Univ., Korea: **2006-2007**
- Research Associate, Toxicology Centre, Univ. of Saskatchewan, Canada: **2007-Present**
- Project Scientist, ENTRIX, Saskatoon, Saskatchewan, Canada: **2007-Present**

PROFESSIONAL ORGANIZATIONS: *Membership*

- *Society of Environmental Toxicology and Chemistry*, Pensacola, FL, USA: **1998-Present**
- *The Korean Society of Oceanography*, Seoul, Korea: **1998-Present**
- *The Ecological Society of Korea*, Seoul, Korea: **2002-Present**
- *The Korean Society for the Life of Saemangeum*, Seoul, Korea: **2002-Present**

HONORS & AWARDS:

- **Best Master Thesis Award**, *The Korean Society of Oceanography*, Seoul, Korea: **2000**
Khim JS (2000) Instrumental and bioanalytical characterization of trace organic contaminants in sediment from Lake Shihwa. M.S. Thesis, *Seoul National University*, Seoul, Korea, p 61.
- **Best Student Presentation Award**, *Dioxin 2001 Annual Meeting*, Gyeongju, Korea: **2001**
Khim JS, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H (2001) Characterization of dioxin-like and estrogenic compounds in environmental samples from Onsan Bay and its inland region, Korea. *Organohalogen Compounds*, 51:31-34.

BIOGRAPHICAL LISTINGS:

Dr. Khim is currently and to be listed in 13 International Biographical Listings.

- 1) Who's Who in Science and Engineering, 2006-07 (9th Edition)**
Marquis Who's Who, USA, 2007
- 2) Who's Who in Asia, 2007 (1st Edition)**
Marquis Who's Who, USA, 2007
- 3) Outstanding Scientists of the 21st Century (Inaugural Edition)**
International Biographical Centre, England, 2007
- 4) Great Minds of the 21st Century**
American Biographical Institute, USA, 2007
- 5) Top 100 Scientists, 2007**
International Biographical Centre, England, 2007
- 6) Who's Who in Science and Engineering, 2008-09 (10th Edition)**
Marquis Who's Who, USA, 2008
- 7) Who's Who in the World, 2008 (25th Edition)**
Marquis Who's Who, USA, 2008
- 8) 2000 Outstanding Intellectual of the 21st Century**
International Biographical Centre, England, 2008
- 9) Research Board of Advisors**
American Biographical Institute, USA, 2008
- 10) Advisory Directorate International**
American Biographical Institute, USA, 2008
- 11) Who's Who in the World, 2009 (26th Edition)**
Marquis Who's Who, USA, 2009
- 12) Who's Who in America, 2009 (110th Edition)**
Marquis Who's Who, USA, 2009
- 13) 2000 Outstanding Scientists, 2008/2009**
International Biographical Centre, England, 2009

PROFESSIONAL ACTIVITIES:

Dr. Khim serves as reviewer, editorial board member, and editor in several international journals (SCI) in the field of ecology, ecotoxicology, environmental chemistry and toxicology.

Editorships:

- Guest Editor, *Environ Geochem Hea*, Springer: Manuscript, 2007
- Editorial Board, *Chemosphere*, Elsevier: Manuscript, 2007-**Present**
- Board of Editorial Advisors, *Can J Pure Appl Sci*, SENRA Academic Publishers: Manuscript, 2007-**Present**

Editorial Referee:

- Editorial Referee, *Chemosphere*, Elsevier: Manuscript 2002, 2005, 2006, 2007 (3)
- Editorial Referee, *Arch Environ Contam Toxicol*, Springer: Manuscript 2002, 2003, 2005, 2006 (3)
- Editorial Referee, *Environ Sci Technol*, American Chemical Society: Manuscript 2004, 2005
- Editorial Referee, *Ecol Res*, Springer: Manuscript 2005 (2), 2006 (2)
- Editorial Referee, *Environ Intl*, Elsevier: Manuscript 2005
- Advisory Committee, *Environment and Conservation Fund Committee*, Environ Prot Dept, the Government of Hong Kong, China: Research Proposal 2006
- Editorial Referee, *Intl J Environ Anal Chem*, Taylor & Francis: Manuscript 2006
- Editorial Referee, *Sci Total Environ*, Elsevier: Manuscript 2007
- Editorial Referee, *Environ Geochem Hea*, Springer: Manuscript 2007 (7)
- Editorial Referee, *Can J Pure Appl Sci*, SENRA Academic Publishers: Manuscript 2007 (2)
- Editorial Referee, *Mar Ecol Prog Ser*, Inter-Research: Manuscript 2008
- Editorial Referee, *J Environ Manage*, Elsevier: Manuscript 2008

PUBLICATIONS

By

KHIM, JONG SEONG

September 1, 2008

Dr. Khim has published 40 peer-reviewed works: 3 theses, 3 book chapter, 24 peer-reviewed open literature journal articles, and 10 proceeding articles. Dr. Khim has made 54 presentations (abstracts read) at the national and international conferences since 1998.

A. THESES & DISSERTATION:

- (T-01) | **Khim JS** (1998) Setting of experimental conditions in raising razor clam, *Sinonovacula constricta* in aquarium. **B.S. Thesis**, *Seoul National University*, Seoul, Korea, p 35.
- (T-02) | **Khim JS** (2000) Instrumental and bioanalytical characterization of trace organic contaminants in sediment from Lake Shihwa. **M.S. Thesis**, *Seoul National University*, Seoul, Korea, p 61.
- (T-03) | **Khim JS** (2006) Distribution of the persistent organic contaminants harmful to marine organisms in the coastal sediments of South-eastern Korea. **Ph.D. Dissertation**, *Seoul National University*, Seoul, Korea, p 94.

B. BOOK CHAPTERS:

- (BC-01) | Kim S-K, **Khim JS**, Lee K-T, Giesy JP, Kannan K, Lee D-S, Koh C-H (2007) Emission, contamination and exposure, fate and transport, and national management strategy of persistent organic pollutants in South Korea. In Li A, Tanabe S, Jiang G, Giesy JP, Lam PKS, eds. *Persistent organic pollutants in Asia – Sources, Distributions, Transport and Fate*, Elsevier, New York, NY, USA, pp 31-157.
- (BC-02) | Giesy JP, Naile JE, **Khim JS**, Jones PD, Newsted JL (2008) Aquatic toxicology of perfluorinated chemicals. *Wildlife Toxicology. SETAC Press*, Pensacola, FL, USA (*in press*).
- (BC-03) | Giesy JP, Naile JE, **Khim JS**, Jones PD, Newsted JL (2008) Aquatic toxicology of perfluorinated chemicals. In *environmental contaminants in wildlife: Interpreting tissue concentrations*, 2nd Ed. N. Beyer and J. Meador (Eds.). *Taylor and Francis*, Publishers, New York, NY, USA (*in press*).

C. JOURNAL ARTICLES:

Citation Overview for Dr. Khim's Journal Articles (JA): by SCOPUS, June 30, 2008

Times cited = 621 (total); 263 (2006-Present)

h index = 13 (of the 24 JA considered for the h-Index, 13 have been cited at least 13 times)

- (JA-01) | **Khim JS**, Villeneuve DL, Kannan K, Lee K-T, Snyder SA, Koh C-H, Giesy JP (1999)
Cited: 53 | Alkylphenols, polycyclic aromatic hydrocarbons, and organochlorines in sediment from Lake Shihwa, Korea: Instrumental and bioanalytical characterization. *Environmental Toxicology And Chemistry*, 18 (11): 2424-2432.
- (JA-02) | **Khim JS**, Kannan K, Villeneuve DL, Koh C-H, Giesy JP (1999) Characterization and
Cited: 97 | distribution of trace organic contaminants in sediment from Masan Bay, Korea. 1. Instrumental analysis. *Environmental Science & Technology*, 33 (23): 4199-4205.
- (JA-03) | **Khim JS**, Villeneuve DL, Kannan K, Koh C-H, Giesy JP (1999) Characterization and
Cited: 44 | distribution of trace organic contaminants in sediment from Masan Bay, Korea. 2. In vitro gene expression analysis. *Environmental Science & Technology*, 33 (23): 4206-4211.
- (JA-04) | Kannan K, Yamashita N, Imagawa T, DeCoen W, **Khim JS**, Day RM, Summer CL, Giesy
Cited: 72 | JP (2000) Polychlorinated naphthalenes and polychlorinated biphenyls in fishes from Michigan waters including the Great Lakes. *Environmental Science & Technology*, 34(4): 566-572.
- (JA-05) | Villeneuve DL, Kannan K, **Khim JS**, Falandysz J, Nikiforov VA, Blankenship AL, Giesy
Cited: 93 | JP (2000) Relative potencies of individual polychlorinated naphthalenes to induce dioxin-like responses in fish and mammalian in vitro bioassays. *Archives of Environmental Contamination And Toxicology*, 39 (3): 273-281.
- (JA-06) | **Khim JS**, Villeneuve DL, Kannan K, Hu WY, Giesy JP, Kang S-G, Song K-J, Koh C-H
Cited: 27 | (2000) Instrumental and bioanalytical measures of persistent organochlorines in blue mussel (*Mytilus edulis*) from Korean coastal waters. *Archives of Environmental Contamination And Toxicology*, 39 (3): 360-368.
- (JA-07) | **Khim JS**, Lee K-T, Kannan K, Villeneuve DL, Giesy JP, Koh C-H (2001) Trace organic
Cited: 51 | contaminants in sediment and water from Ulsan Bay and its vicinity, Korea. *Archives of Environmental Contamination and Toxicology*, 40 (2): 141-150.
- (JA-08) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H (2001) In vitro bioassay
Cited: 20 | determination of dioxin-like and estrogenic activity in sediment and water from Ulsan Bay and its vicinity, Korea. *Archives of Environmental Contamination and Toxicology*, 40 (2): 151-160.
- (JA-09) | Villeneuve DL, **Khim JS**, Kannan K, Giesy JP (2001) In vitro response of fish and
Cited: 20 | mammalian cells to complex mixtures of polychlorinated naphthalenes, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons. *Aquatic Toxicology*, 54 (1-2): 125-141.
- (JA-10) | Villeneuve DL, **Khim JS**, Kannan K, Giesy JP (2002) Relative potencies of individual
Cited: 46 | polycyclic aromatic hydrocarbons to induce dioxin-like and estrogenic responses in three different cell lines. *Environmental Toxicology*, 17 (2): 128-137.

- (JA-11) | Koh C-H, **Khim JS**, Villeneuve DL, Kannan K, Giesy JP (2002) Analysis of trace organic contaminants in sediment, pore water, and water samples from Onsan Bay, Korea: Instrumental analysis and in vitro gene expression assay. *Environmental Toxicology And Chemistry*, 21 (9): 1796-1803.
Cited: 23
- (JA-12) | Kannan K, Kober JL, **Khim JS**, Szymczyk K, Falandysz J, Giesy JP (2003) Polychlorinated biphenyls, polycyclic aromatic hydrocarbons and alkylphenols in sediments from the Odra River and its tributaries, Poland. *Toxicological And Environmental Chemistry*, 85 (4-6): 51-60.
Cited: 5
- (JA-13) | Koh C-H, **Khim JS**, Kannan K, Villeneuve DL, Senthilkumar K, Giesy JP (2004) Polychlorinated dibenzo-*p*-dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) and 2,3,7,8-TCDD equivalents (TEQs) in sediments from Hyeongsan River, Korea. *Environmental Pollution*, 132 (3): 489-501.
Cited: 23
- (JA-14) | Koh C-H, **Khim JS**, Kannan K, Villeneuve DL, Johnson BG, Giesy JP (2005) Instrumental and bioanalytical measures of dioxin-like and estrogenic compounds and activities associated with sediment from the Korean coast. *Ecotoxicology And Environmental Safety*, 61 (3): 366-379.
Cited: 9
- (JA-15) | Yoo H, **Khim JS**, Giesy JP (2006) Receptor-mediated in vitro bioassays for the characterization of dioxin-like and estrogenic activities in sediment from Korea. *Chemosphere*, 62 (2006): 1261-1271.
Cited: 4
- (JA-16) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Mogi H, Koga K (2006) Tidal resuspension of microphytobenthic chlorophyll *a* in Nanaura mudflat, Saga, Ariake Sea, Japan: Flood-ebb and spring-neap variations. *Marine Ecology Progress Series*, 312 (2006): 85-100.
Cited: 3
- (JA-17) | Koh C-H, **Khim JS**, Kannan K, Villeneuve DL, Giesy JP (2006) Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 1. Instrumental analyses. *Environmental Pollution*, 142 (1): 39-47.
Cited: 15
- (JA-18) | Koh C-H, **Khim JS**, Villeneuve DL, Kannan K, Giesy JP (2006) Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 2. Dioxin-like and estrogenic activities. *Environmental Pollution*, 142 (1): 48-57.
Cited: 2
- (JA-19) | Rostkowski P, Yamashita N, So MK, Taniyasu S, Lam PKS, Falandysz J, Lee K-T, Kim S-K, **Khim JS**, Im SH, Newsted JL, Jones PD, Kannan K, Giesy JP (2006) Perfluorinated compounds in streams of the Shihwa industrial zone and Lake Shihwa, South Korea. *Environmental Toxicology And Chemistry*, 25 (9): 2374-2380.
Cited: 13
- (JA-20) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Koga K (2007) Within-day and seasonal patterns of microphytobenthos biomass determined by co-measurement of sediment and water column chlorophylls in the intertidal mudflat of Nanaura, Saga, Ariake Sea, Japan. *Estuarine, Coastal and Shelf Science*, 2007 (72): 42-52.
Cited: 0
- (JA-21) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Koga K (2007) Segregation of microphytobenthic chlorophyll-*a* from suspended particles during tidal cycle in Nanaura mudflat, Ariake Sea, Japan. *Lowland Technology International*, 9 (2): 49-55.
Cited: 0

- (JA-22) | Zwiernik MJ, Bursian S, Aylward LL, Kay DP, Moore JN, Rowlands JC, Woodburn K, Shotwell M, **Khim JS**, Giesy JP, Budinsky RA (2008) Toxicokinetics of 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF in mink (*Mustela vison*) at ecologically relevant exposures. *Toxicological Sciences*, 105(1): 33-43.
Cited: 0
- (JA-23) | Zwiernik MJ, Moore J, **Khim JS**, Williams L, Kay DP, Bursian S, Giesy JP (2008) Non-destructive scat sampling in exposure assessment of mink (*Mustela vison*) exposed to polychlorinated dibenzofurans (PCDFs). *Archives of Environmental Contamination And Toxicology*, doi: [10.1007/s00244-007-9131-0](https://doi.org/10.1007/s00244-007-9131-0)
Cited: 1
- (JA-24) | Zwiernik MJ, Kay DP, Moore JN, Beckett KJ, **Khim JS**, Newsted JL, Roark S, Giesy JP (2008) Exposure and effects assessment of resident mink (*Mustela vison*) exposed to polychlorinated dibenzofurans and other dioxin-like compounds in the Tittabawassee River basin, Midland, Michigan, USA, *Environmental Toxicology And Chemistry*, doi: [10.1897/07-489.1](https://doi.org/10.1897/07-489.1)
Cited: 0

D. PROCEEDINGS ARTICLES:

- (PA-01) | Kannan K, **Khim JS**, Villeneuve DL, Koh C-H, Giesy JP (1999) Instrumental and bioanalytical measures of dioxin-like activity in sediments from Masan Bay, Korea. *Organohalogen Compounds*, 43: 23-28.
- (PA-02) | Lee K-T, **Khim JS**, Kannan K, Villeneuve DL, Giesy JP, Koh C-H (2000) Characterization of dioxin-like compounds in environmental samples from Ulsan Bay and its vicinity, Korea: 1. Instrumental analysis. *Organohalogen Compounds*, 46: 455-458.
- (PA-03) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H (2000) Characterization of dioxin-like compounds in environmental samples from Ulsan Bay and its vicinity, Korea: 2. *In vitro* gene expression assay. *Organohalogen Compounds*, 46: 459-462.
- (PA-04) | **Khim JS**, Kannan K, Villeneuve DL, Kang J, Koh C-H, Giesy JP (2000) Relative potencies of individual polycyclic aromatic hydrocarbons to induce dioxin-like and estrogenic responses in three different cell lines. *Organohalogen Compounds*, 49: 174-177.
- (PA-05) | Villeneuve DL, **Khim JS**, Kannan K, Falandysz J, Nikiforov VA, Blankenship AL, Giesy JP (2000) Relative potencies of individual polychlorinated naphthalenes to induce dioxin-like responses in fish and mammalian *in vitro* bioassays. *Organohalogen Compounds*, 47: 5-8.
- (PA-06) | Koh C-H, **Khim JS**, Lee K-T, Kannan K, Villeneuve DL, Giesy JP (2001) Bioassay directed instrumental analyses for characterization of dioxin-like and estrogenic compounds in Korean sediments. *Organohalogen Compounds*, 51: 199-203. * **Invited**
- (PA-07) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H (2001) Characterization of dioxin-like and estrogenic compounds in environmental samples from Onsan Bay and its inland region, Korea. *Organohalogen Compounds*, 51: 31-34. * **Invited**
- (PA-08) | Koh C-H, **Khim JS**, Kannan K, Giesy JP (2002) The concentration level of organic pollutants and its cell line assays from sediment samples in creeks entering to the Lake Shihwa, Korea. *Proceedings of the International Symposium on Lowland Technology*, 355-360. * **Invited**
- (PA-09) | Rostkowski P, Yamashita N, So MK, Taniyasu S, Lam PKS, Falandysz J, Lee K-T, **Khim JS**, Im SH, Giesy JP (2005) Perfluorinated Compounds in Streams of the Shihwa Industrial Zone and Lake Shihwa, South Korea. *Organohalogen Compounds*, 67: 767-770.
- (PA-10) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Koga K (2006) The flux of microphytobenthic chlorophyll *a* in response to tidal current in Nanaura mudflat, Ariake Sea, Japan. *Proceedings of the International Symposium on Lowland Technology*, 403-406.

E. CONFERENCE PRESENTATIONS (ABSTRACTS READ):

- (CP-01) | Lee K-T, Villeneuve DL, Kannan K, Giesy JP, **Khim JS**, Hong J, Koh C-H, The contamination of alkylphenolic compounds in sediments from industrial areas, Korea. *Autumn Meeting of the Korean Society of Fisheries Technology*, Seoul, **Korea**. Sep, 1998.
- (CP-02) | Kannan K, **Khim JS**, Villeneuve DL, Koh C-H, Giesy JP, Instrumental and bioanalytical measures of dioxin-like activity in sediments from Masan Bay, Korea. *Dioxin 1999, 19th International Symposium on Halogenated Environmental Organic Pollutants*, Venice, **Italy**. Sep 12-17, 1999.
- (CP-03) | **Khim JS**, Villeneuve DL, Kannan K, Lee K-T, Snyder SA, Giesy JP, Koh C-H, Alkylphenols, polycyclic aromatic hydrocarbons (PAHs), and organochlorines in sediment from Lake Shihwa, Korea: Instrumental and bioanalytical characterization. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-04) | **Khim JS**, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Characterization and distribution of trace organic contaminants in sediment from Masan Bay, Korea: 1. Instrumental analysis. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-05) | **Khim JS**, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Characterization and distribution of trace organic contaminants in sediment from Masan Bay, Korea: 2. *In vitro* gene expression assays. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-06) | Hu WY, **Khim JS**, Kannan K, Villeneuve DL, Kang S-G, Song K-J, Koh C-H, Giesy JP, Bioanalytical and instrumental analyses of polychlorinated biphenyls and organochlorine pesticides in blue mussels, *Mytilus* sp., from Korean coastal waters. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-07) | Villeneuve DL, **Khim JS**, Kannan K, Giesy JP, Relative potency estimates from non-ideal *in vitro* bioassay results. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-08) | Villeneuve DL, **Khim JS**, Kannan K, Giesy JP, Response of PLHC-1 and H4IIE-luc *in vitro* bioassays to complex mixtures of PCNs, PCBs, and PAHs. *SETAC-20th Annual Meeting*, Philadelphia, Pennsylvania, **USA**. Nov 14-18, 1999.
- (CP-09) | Lee K-T, **Khim JS**, Kannan K, Villeneuve DL, Giesy JP, Koh C-H, Characterization of dioxin-like compounds in environmental samples from Ulsan Bay and its vicinity, Korea: 1. Instrumental analysis. *Dioxin 2000, 20th International Symposium on Halogenated Environmental Organic Pollutants*, Monterey, CA, **USA**. Aug 13-17, 2000.
- (CP-10) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Characterization of dioxin-like compounds in environmental samples from Ulsan Bay and its vicinity, Korea: 2. *In vitro* gene expression assay. *Dioxin 2000, 20th International Symposium on Halogenated Environmental Organic Pollutants*, Monterey, CA, **USA**. Aug 13-17, 2000.

- (CP-11) | **Khim JS**, Kannan K, Villeneuve DL, Kang J, Koh C-H, Giesy JP, Relative potencies of individual polycyclic aromatic hydrocarbons to induce dioxin-like and estrogenic responses in three different cell lines. *Dioxin 2000, 20th International Symposium on Halogenated Environmental Organic Pollutants*, Monterey, CA, **USA**. Aug 13-17, 2000.
- (CP-12) | Villeneuve DL, **Khim JS**, Kannan K, Falandysz J, Nikiforov VA, Blankenship AL, Giesy JP, Relative potencies of individual polychlorinated naphthalenes to induce dioxin-like responses in fish and mammalian *in vitro* bioassays. *Dioxin 2000, 20th International Symposium on Halogenated Environmental Organic Pollutants*, Monterey, CA, **USA**. Aug 13-17, 2000.
- (CP-13) | **Khim JS**, Instrumental and bioanalytical characterization of trace organic contaminants in sediment from Lake Shihwa. *Thesis Presentation Competition 2000, Korean Society of Oceanography*, Yongin, **Korea**. Oct 13-14, 2000. * **Best Master Thesis Award**
- (CP-14) | Lee K-T, Oh I-S, **Khim JS**, Koh C-H, Sediment toxicity test using luminescent bacteria (*Vibrio fischeri*): Yeongil Bay. *Autumn Meeting of the Korean Society of Oceanography*, Seoul, **Korea**. Oct 27-28, 2000.
- (CP-15) | **Khim JS**, Lee K-T, Kannan K, Villeneuve DL, Giesy JP, Koh C-H, Trace organic contaminants in environmental samples from Ulsan Bay and its vicinity, Korea. *SETAC-21st Annual Meeting*, Nashville, Tennessee, **USA**. Nov 12-16, 2000.
- (CP-16) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, *In vitro* bioassay analysis of dioxin-like and estrogenic activities in environmental samples from Ulsan Bay and its vicinity, Korea. *SETAC-21st Annual Meeting*, Nashville, Tennessee, **USA**. Nov 12-16, 2000.
- (CP-17) | Kang JS, Villeneuve DL, **Khim JS**, Kannan K, Koh C-H, Giesy JP, Relative potency of individual polycyclic aromatic hydrocarbons to induce dioxin-like and estrogenic responses in mammalian and fish *in vitro* bioassay. *SETAC-21st Annual Meeting*, Nashville, Tennessee, **USA**. Nov 12-16, 2000.
- (CP-18) | Kannan K, Yamashita N, Imagawa T, **Khim JS**, Day RM, Summer CL, Giesy JP, Polychlorinated naphthalenes and polychlorinated biphenyls in fishes from Michigan waters including the Great Lakes. *SETAC-21st Annual Meeting*, Nashville, Tennessee, **USA**. Nov 12-16, 2000.
- (CP-19) | Villeneuve DL, **Khim JS**, Kannan K, Falandysz J, Blankenship AL, Nikiforov VA, Giesy JP, Relative potencies of individual polychlorinated naphthalenes to induce dioxin-like responses in fish and mammalian *in vitro* bioassays. *SETAC-21st Annual Meeting*, Nashville, Tennessee, **USA**. Nov 12-16, 2000.
- (CP-20) | Koh C-H, **Khim JS**, Lee K-T, Kannan K, Villeneuve DL, Giesy JP, Bioassay directed instrumental analyses for characterization of dioxin-like and estrogenic compounds in Korean sediments. *Dioxin 2001, 21st International Symposium on Halogenated Environmental Organic Pollutants*, Gyeongju, **Korea**. Sep 9-14, 2001. * **Invited**

- (CP-21) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Characterization of dioxin-like and estrogenic compounds in environmental samples from Onsan Bay and its inland region, Korea. *Dioxin 2001, 21st International Symposium on Halogenated Environmental Organic Pollutants*, Gyeongju, **Korea**. Sep 9-14, 2001. * **Best Student Presentation Award**
- (CP-22) | Koh C-H, **Khim JS**, Lee K-T, Kannan K, Villeneuve DL, Giesy JP, Trace organic contaminants in sediment samples from Onsan Bay, Korea. *SETAC-22nd Annual Meeting*, Baltimore, Maryland, **USA**. Nov 11-15, 2001.
- (CP-23) | **Khim JS**, Lee K-T, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Characterization of dioxin-like and estrogenic activities in sediment samples from Onsan Bay, Korea using in vitro bioassay. *SETAC-22nd Annual Meeting*, Baltimore, Maryland, **USA**. Nov 11-15, 2001.
- (CP-24) | 9Kannan K, **Khim JS**, Villeneuve DL, Giesy JP, A method for the detection of tetrabromobisphenol A in sediment. *SETAC-22nd Annual Meeting*, Baltimore, Maryland, **USA**. Nov 11-15, 2001.
- (CP-25) | Kannan K, **Khim JS**, Szymczyk K, Falandysz J, Giesy JP, Polychlorinated biphenyls, polycyclic aromatic hydrocarbons and alkylphenols in sediments from the Odra River and its tributaries, Poland. *SETAC-22nd Annual Meeting*, Baltimore, Maryland, **USA**. Nov 11-15, 2001.
- (CP-26) | Koh C-H, Kang J, **Khim JS**, Kannan K, Giesy JP, Instrumental, and bioanalytical characterization of trace organic contaminants in sediment from creeks entering to Lake Shihwa, Korea. 9th International Conference on the conservation and management of Lakes, *BIWAKO 2001*, Shiga, **Japan**. Nov 11-16, 2001.
- (CP-27) | Koh C-H, **Khim JS**, Kannan K, Giesy JP, The concentration level of organic pollutants and its cell line assays from sediment samples in creeks entering to the Lake Shihwa, Korea. *International Symposium on Lowland Technology 2002*, Saga, **Japan**. Sep 18-20, 2002. * **Invited**
- (CP-28) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Mogi H, Koga K, Comparison of chlorophyll a concentration in sediment and water for 15 days at Nanaura mudflat of Ariake Sea, Japan. *1st EAFES International Congress*, Mokpo, **Korea**. Oct 20-24, 2004. * **Invited**
- (CP-29) | Yoo H, **Khim JS**, Giesy JP, Application of relative potency estimates and characterization of dioxin-like and estrogenic activities in sediment samples from Masan Bay and Lake Shihwa, Korea using *in vitro* bioassay. *SETAC-25th Annual Meeting*, Portland, Oregon, **USA**. Nov 14-18, 2004.
- (CP-30) | Kwon B-O, **Khim JS**, Koh C-H, Spatial and temporal distributions of microphytobenthos biomass on sediment at Saemangeum tidal flat (Gyehwa), Korea. *2005 Annual Meeting, the Korean Association of Ocean Science and Technology Societies*, Busan, **Korea**. May 12-13, 2005.
- (CP-31) | Rostkowski P, Yamashita N, So MK, Taniyasu S, Lam PKS, Falandysz J, Lee K-T, **Khim JS**, Im SH, Giesy JP, Perfluorinated Compounds in Streams of the Shihwa Industrial Zone and Lake Shihwa, South Korea. *Dioxin 2005, 25th International Symposium on Halogenated Environmental Organic Pollutants*, Toronto, **Canada**, Aug 21-26, 2005.

- (CP-32) | **Khim JS**, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Distribution and sources of trace organic contaminants in marine sediment. *SETAC-26th Annual Meeting*, Baltimore, Maryland, **USA**. Nov 13-17, 2005.
- (CP-33) | **Khim JS**, Villeneuve DL, Kannan K, Giesy JP, Koh C-H, Dioxin-like and estrogenic compounds and activities associated with marine sediment from Yeongil Bay, Korea. *SETAC-26th Annual Meeting*, Baltimore, Maryland, **USA**. Nov 13-17, 2005.
- (CP-34) | **Khim JS**, Villeneuve DL, Kannan K, Boris G, Giesy JP, Koh C-H, Characterization and distribution of dioxin-like and estrogenic contaminants in sediment from Korean coasts. *SETAC-26th Annual Meeting*, Baltimore, Maryland, **USA**. Nov 13-17, 2005.
- (CP-35) | **Khim JS**, Koh C-H, Assessment of the organic contaminants in Korean coastal sediments: Instrumental Analyses and in vitro bioassays *2006 Annual Meeting, the Korean Association of Ocean Science and Technology Societies*, Busan, **Korea**. May 15-16, 2006.
- (CP-36) | Koh C-H, **Khim JS**, Araki H, Yamanishi H, Koga K, The flux of microphytobenthic chlorophyll *a* in response to tidal current in Nanaura mudflat, Ariake Sea, Japan. *International Symposium on Lowland Technology 2006*, Saga, **Japan**. Sep 14-16, 2006.
- (CP-37) | Kim S-K, **Khim JS**, Lee K-T, Giesy JP, Kannan K, Koh C-H, Lee D-S, Emission, levels, distribution, and fate of POPs in South Korea - Review. *SETAC-27th Annual Meeting*, Montreal, Quebec, **Canada**. Nov 5-9, 2006.
- (CP-38) | Naile JE, **Khim JS**, Jones PD, Giesy JP, Identification and quantification of a novel class of organic pollutants. 42nd Annual Western Canada Trace Organic Workshop (WCTOW), Calgary, Alberta, **Canada**. Apr 23-25, 2007.
- (CP-39) | Jones PD, Naile JE, **Khim JS**, Giesy JP, Quantification of perfluorinated compounds in food and tissues: Analytical challenges of a novel class of compounds. *Saskatoon International Validation Workshop for Regulatory Analysis of Residues in Foods (SaskVal Workshop)*, Saskatoon, Saskatchewan, **Canada**. Jun 10-14, 2007. * **Invited Plenary Keynote**
- (CP-40) | Aylward L, Budinsky RA, Bursian S, Kay DP, Giesy JP, **Khim JS**, Newsted J, Moore J, Rowland CJ, Woodburn K, Zwiernik M, Pharmacokinetic evaluation of exposure to ecologically relevant concentrations of 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF in mink (*Mustela Vison*). *Dioxin 2007, 27th International Symposium on Halogenated Environmental Organic Pollutants*, Tokyo, **Japan**. Sep 2-7, 2007.
- (CP-41) | Koh C-H, **Khim JS**, Kwon B-O. Araki H, Yamanishi H, Koga K, The flux of microphytobenthic chlorophyll *a* and suspended particulate matter in response to tidal current, Ariake Sea, Japan. *Joint IMBER/LOICZ Continental Margins Open Science Conference*, Shanghai, **China**. Sep 17-21, 2007.
- (CP-42) | Naile JE, **Khim JS**, Jones PD, Giesy JP, Total fluorine analysis of fish samples using a novel combustion ion chromatography approach. *34th Aquatic Toxicology Workshop*, Halifax, Nova Scotia, **Canada**. Sep 30-Oct 3, 2007.

- (CP-43) | **Khim JS**, Koh C-H, Giesy, JP, Persistent organic pollutants in Korean coastal sediments: Distribution, sources, and potential for biological effects. *SETAC-28th Annual Meeting*, Milwaukee, Wisconsin, **USA**. Nov 11-15, 2007.
- (CP-44) | Yoo H, Kannan K, Kim S-K, Lee K-T, Newsted JL, **Khim JS**, Giesy JP, Perfluoroalkyl acids in the egg yolk of birds from Lake Shihwa, Korea. *SETAC-28th Annual Meeting*, Milwaukee, Wisconsin, **USA**. Nov 11-15, 2007.
- (CP-45) | Naile JE, **Khim JS**, Jones PD, Giesy JP, Determination of relative response factors and matrix effects on quantification of perfluorinated compounds. *SETAC-28th Annual Meeting*, Milwaukee, Wisconsin, **USA**. Nov 11-15, 2007.
- (CP-46) | Shotwell MS, Zwiernik MJ, **Khim JS**, Moore JN, Kay DP, Williams LL, Bursian SJ, Giesy JP, Biomonitoring: Scat as an indicator of body burden in mink (*Mustela vison*). *SETAC-28th Annual Meeting*, Milwaukee, Wisconsin, **USA**. Nov 11-15, 2007.
- (CP-47) | Moore JN, Hecker M, Zwiernik MJ, Bursian SJ, Fitzgerald SD, Newsted JL, **Khim JS**, Higley EB, Giesy JP, Effects of polychlorinated dibenzofurans (PCDFs) on P450 enzymes, jaw histology and tissue morphology of mink (*Mustela vison*). *SETAC-28th Annual Meeting*, Milwaukee, Wisconsin, **USA**. Nov 11-15, 2007.
- (CP-48) | **Khim JS**, Giesy JP, Exposure assessment of environmental samples and contaminants: TIE Approach. *4th International Symposium on Persistent Toxic Substances*, Beijing, **China**. Nov 18-21, 2007. * *Invited Plenary Keynote*
- (CP-49) | Zwiernik M, Bursian S, Aylward LL, Kay D, Moore J, Rowlands JC, Woodburn K, **Khim JS**, Giesy JP, Budinsky R, Pharmacokinetic evaluation of exposure to ecologically relevant concentrations of 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF in mink (*Mustela vison*). *47th Annual Meeting of the Society of Toxicology*, Seattle, Washington, **USA**. Mar 16-20, 2008.
- (CP-50) | **Khim JS**, Wang T, Jiao W, Naile JE, Geng J, Chen C, Lu Y, Wan Y, Jones PD, Giesy JP, Perfluorinated Compounds in Sediment and Water from Bohai Bay and Its Vicinity, China. *SETAC-29th Annual Meeting*, Tampa, Florida, **USA**. Nov 16-20, 2008.
- (CP-51) | Wang T, **Khim JS**, Naile JE, Jiao W, Chen C, Lu Y, Wei L, Guang W, Jing L, Wan Y, Jones PD, Giesy JP, Perfluorooctane Sulfonate and other Fluorochemicals in Soils from Bohai Bay, China. *SETAC-29th Annual Meeting*, Tampa, Florida, **USA**. Nov 16-20, 2008.
- (CP-52) | Naile JE, **Khim JS**, Wang T, Jiao W, Chen C, Lu Y, Zwiernik M, Kannan K, Jones PD, Giesy JP, Perfluorinated Compounds in Environmental Samples Collected from Inner-Mongolia, China. *SETAC-29th Annual Meeting*, Tampa, Florida, **USA**. Nov 16-20, 2008.
- (CP-53) | Naile JE, **Khim JS**, Newsted JL, Jones PD, Giesy JP, Aquatic Toxicology of Perfluorinated Chemicals. *SETAC-29th Annual Meeting*, Tampa, Florida, **USA**. Nov 16-20, 2008. * *Invited*
- (CP-54) | Wan Y, Jones PD, Holem RR, **Khim JS**, Kay DP, Roark SA, Newsted JL, Giesy JP, Species-specific accumulation of polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and coplanar polychlorinated biphenyls (PCBs) in fishes from the Tittabawassee and Saginaw Rivers (Michigan, USA). *SETAC-29th Annual Meeting*, Tampa, Florida, **USA**. Nov 16-20, 2008.

F. PUBLICATIONS IN PRESS/SUBMITTED/IN PRESENTATION:

- (01) | Giesy JP, Reagan W, Kannan K, Naile JE, **Khim JS**, Jones PD (2008) Inter-laboratory Validation of PFOS, PFOA, PFNA in Human Sera, Plasma, and Whole Blood. *Analytical Chemistry* (*submitted*)
- (02) | Yoo H, Yamashita N, Taniyasu S, Lee K-T, Jones PD, Newsted JL, **Khim JS**, Giesy JP (2008) Perfluoroalkyl Acids in Marine Organisms from Lake Shihwa, Korea. *Environment International* (*submitted*)
- (03) | Ryu JS, Lee K-T, Lee J-H, Lee C-H, Kim C-K, Park GH, Moon SD, Lee JS, **Khim JS** (2008) Initial recolonization of benthic fauna in defaunated sediment contaminated with octylphenol: Field microcosm exposure study. *Environmental Toxicology And Chemistry* (*in prep*)
- (04) | **Khim JS**, Koh C-H, Giesy JP (2008) Persistent Organic Pollutants in Korean Coastal Sediments: Distribution, Sources, and Potential for Biological Effects. *Ecotoxicology Environmental Safety* (*in prep*)
- (05) | Song SJ, Ryu JS, **Khim JS**, Yun SG (2008) Seasonal variations on community structure and breeding activity of marine phytoplankton harpacticoid copepods on *Ulva pertusa* from Pohang, east coast of Korea. *Marine Ecology Progress Series* (*in prep*)
- (06) | Ryu JS, **Khim JS**, Koh C-H (2008) Zonation of macrobenthos in Saemangeum tidal flat. *Marine Ecology Progress Series* (*in prep*)
- (07) | Jiao W, Lu Y, Li J, Han J, Wang T, **Khim JS**, Naile JE, Luo W, Shi Y, Wang G, Giesy JP (2008) Source identification of elevated soil concentrations of polycyclic aromatic hydrocarbons in an industrial area, Tianjin, China. *Environmental Pollution* (*in preparation*)
- (08) | Holeme R, Wan Y, Jones PD, **Khim JS**, Naile JE, Kay DP, Giesy JP (2008) PCDD/Fs and co-PCBs in fishes from the Tittabawassee and Saginaw rivers. *Environ Sci Technol* (*in prep*)
- (09) | Wan Y, Jones PD, **Khim JS**, Holeme R, Kay DP, Giesy JP (2008) Species-specific accumulation of PCDD/Fs and co-PCBs in fishes from the Tittabawassee and Saginaw rivers. *Environ Sci Technol* (*in prep*)
- (10) | **Khim JS**, Wang T, Naile JE, Jiao W, Chen C, Lu Y, Wan Y, Jones PD, Giesy JP (2008) Perfluorooctane Sulfonate and other Fluorochemicals in Soils from Bohai Bay, China. *Environ Sci Technol* (*in prep*)
- (11) | Naile JE, Wang T, **Khim JS**, Jiao W, Chen C, Lu Y, Zwernick M, Kannan K, Jones PD, Giesy JP (2008) Perfluorinated Compounds in Environmental Samples from Inner Mongolia, China. *Environ Intl* (*in pre*)
- (12) | Wang T, Jiao W, **Khim JS**, Naile JE, Geng J, Chen C, Lu Y, Wan Y, Jones PD, Giesy JP, (2008) Preliminary Screening of Perfluorinated Compounds in Water and Sediments from Bohai Bay, China. *Arch Environ Contam Tox* (*in prep*)
- (13) | Wang T, **Khim JS**, Chen C, Naile JE, Jiao W, Lu Y, Jones PD, Giesy JP (2008) Status quo and related Management of Perfluorinated Compounds in China. *Chemosphere* (*in prep*)