

DAFTAR PUSTAKA

- Agarwal, P., Kabir, F.M.L., DeInnocentes, P., Bird, R.C., 2012. Tumor suppressor gene p16/INK4A/CDKN2A and its role in cell cycle exit, differentiation, and determination of cell fate. In: Y., Cheng (Ed.): Tumor suppressor genes. [serial online] [cited 2017 Jul 08]. Available from: http://cdn.intechopen.com/pdfs/27561/InTechTumor_suppressor_gene_p16_ink4a_cdkn2a_and_its_role_in_cell_cycle_exit_differentiation_and_determination_of_cell_fate.pdf
- Alavanja, M.C.R., Dosemeci, M., Samanic, C., Lubin, J., Lynch, C.F., Knott, C., Barker, J., 2004a. Pesticides and lung cancer risk in the Agricultural Health Study cohort. *Am. J. Epidemiol.* 160(9):876-885.
- Alavanja, M.C.R., Hofmann, J.N., Lynch, C.F., Hines, C.J., Barry, K.H., Barker, J., Buckman, D.W., *et al.*, 2014. Non-hodgkin lymphoma risk and insecticide, fungicide and fumigant use in the Agricultural Health Study. *PLoS One* 9(10).
- Alavanja, M.C.R., Hoppin, J.A., Kamel, F., 2004b. Health effects of chronic pesticide exposure: cancer and neurotoxicity. *Annu. Rev. Public Health* 25:155-197.
- Alavanja, M.C.R., Ross, M.K., Bonner, M.R., 2013. Increased cancer burden among pesticide applicators and others due to pesticide exposure. *Cancer J. Clin.* 63:120-142.
- Alexander, M., Koutros, S., Bonner, M.R., Barry, K.H., Alavanja, M.C.R., Andreotti, G., Byun, H.M., *et al.*, 2017. Pesticide use and LINE-1 methylation among male private pesticide applicators in the Agricultural Health Study. *Environ. Epigenet.* 3(2):1-9.
- Asror, F., Sulistiyani, Hanani, Y., 2007. Faktor risiko kejadian keracunan pestisida organofosfat pada petani hortikultura di Kecamatan Ngablak Kabupaten Magelang. *J. Kesehat. Lingkungan. Indones.* 6(2):37-40.
- Band, P.R., Abanto, Z., Bert, J., Lang, B., Fang, R., Gallagher, R.P., Lee, N.D., 2011. Prostate cancer risk and exposure to pesticides in British Columbia farmers. *The Prostate* 71:168-183.
- Banerjee, N., Paul, S., Sau, T.J., Das, J.K., Bandyopadhyay, A., Banerjee, S., Giri, A.K., 2013. Epigenetic modifications of DAPK and p16 genes contribute to arsenic-induced skin lesions and nondermatological health effects. *Toxicol. Sci.* 135(2):300-308.

- Bansod, Y.V., Kharkar, S.V., Raut, A., Choudalwar, P., 2013. Abamectin: an uncommon but potentially fatal cause of pesticide poisoning. *Int. J. Res. Med. Sci.* 1(3):285-286.
- Bediaga, N.G., Acha-Sagredo, A., Guerra, I., Viguri, A., Albaina, C., Diaz, I.R., Rezola, R., *et al.*, 2010. DNA methylation epigenotypes in breast cancer molecular subtypes. *Breast Cancer Res.* 12:1-12.
- Bellizzi, D., D'Aquila, P., Montesanto, A., Corsonello, A., Mari, V., Mazzei, B., Lattanzio, F., *et al.*, 2012. Global DNA methylation in old subjects is correlated with frailty. *Age* 34:169-179.
- Bollati, V., Schwartz, J., Wright, R., Litonjua, L., Tarantini, L., Su, H., Sparrow, D., *et al.*, 2009. Decline in genomic DNA methylation through aging in a cohort of elderly subjects. *Mech Ageing Dev* 130:234-239.
- Bonner, M.R., Freeman, L.E.B., Hoppin, J.A., Koutros, S., Sandler, D.P., Lynch, C.F., Hines, C.J., *et al.*, 2017. Occupational exposure to pesticides and the incidence of lung cancer in the Agricultural Health Study. *Environ. Health Perspect.* 125(4):544-551.
- Bonner, M.R., Williams, B.A., Rusiecki, J.A., Blair, A., Freeman, L.E.B., Hoppin, J.A., Dosemeci, M., *et al.*, 2010. Occupational exposure to terbufos and the incidence of cancer in the Agricultural Health Study. *Cancer Causes Control* 21(6):871-877.
- Campisi, J., di Fanagna, F., 2007. Cellular senescence: when bad things happen to good cells. *Nat. Rev. Mol. Cell Biol.* 8(9):729-740.
- Clark, S.J., Harrison, J., Paul, C.L., Frommer, M., 1994. High sensitivity mapping of methylated cytosines. *Nucleic Acids Res.* 22(15):2990-2997.
- Cimino, A.M., Boyles, A.L., Thayer, K.A., Perry, M.J., 2017. Effects of neonicotinoid pesticide exposure on human health: a systematic review. *Environ. Health Perspect.* 125(2):155-162.
- Collotta, M., Bertazzi, P.A., Bollati, V., 2013. Epigenetics and pesticides. *Toxicology* 307:35-41.
- Costa, L.G., 2008. Toxic effects of pesticides. In: C.D., Klassen (Ed.): *Casarett & Doull's toxicology the basic science of poisons*. 7th edition. McGraw-Hill Medical Publishing, New York.
- Daniel, V., Huber, W., Bauer, K., Suesal, C., Mytilineos, J., Melk, A., Conradt, C., *et al.*, 2001. Association of elevated blood levels of pentachlorophenol

(PCP) with cellular and humoral immunodeficiencies. *Arch. Environ. Health* 56(1):77-83.

Das, P.M., Singal, R., 2004. DNA methylation and cancer. *J. Clin. Oncol.* 22:4632-4642.

Deep, J.S., Sidhu, S., Chandel, A., Thapliyal, S., Garg, C., 2012. Aberrant methylation in promoters of GSTP1, p16, p14, and RASSF1A genes in smokers of North India. *ISRN Pulmonol.* 2012:1-6.

Ding, K., Chen, X., Wang, Y., Liu, H., Song, W., Li, L., Wang, G., *et al.*, 2017. Plasma DNA methylation of p16 and shp1 in patients with B cell non-Hodgkin lymphoma. *Int. J. Clin. Oncol.* :1-8.

Dosemeci, M., Alavanja, M.C.R., Rowland, A.S., Mage, D., Zahm, S.H., Rothman, N., Lubin, J.H., *et al.*, 2002. A quantitative approach for estimating exposure to pesticides in the Agricultural Health Study. *Ann. Occup. Hyg.* 46(2):245-260.

Eleršek, T., Filipič, M., 2011. Organophosphorus pesticides-mechanisms of their toxicity. In: M., Stoytcheva (Ed.): Pesticides-the impacts of pesticide exposure. [serial online] [cited 2017 Jun 18]. Available from: <http://www.intechopen.com/books/pesticides-the-impacts-of-pesticides-exposure>

El-Maarri, O., Becker, T., Junen, J., Manzoor, S.S., Diaz-Lacava, A., Schwaab, R., Wienker, T., *et al.*, 2007. Gender specific differences in levels of DNA methylation at selected loci from human total blood: a tendency toward higher methylation levels in males. *Hum Genet* 122:505-514.

Environmental Protection Agency, 2004. Intentional human dosing studies for EPA regulatory purposes. [serial online] [cited 2018 Dec 02]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK215892/>

Eriksson, M., Hardell, L., Carlberg, M., Akerman, M., 2008. Pesticide exposure as risk factor for non-Hodgkin lymphoma including histopathological subgroup analysis. *Int. J. Cancer* 123:1657-1663.

Faa, G., Fanni, D., Pichiri, G., Gerosa, C., 2016. Epigenetic mechanisms in gynecological cancer. In: A., Giordano, M., Macaluso (Ed.): Gynecological cancers. [serial online] [cited 2017 Jul 12]. Available from: https://link.springer.com/chapter/10.1007/978-3-319-32907-9_1

Feng, W., Han, Z., Zhu, R., Liu, P., Liu, S., 2015. Association of p16 gene methylation with prostate cancer risk: a meta-analysis. *J BUON* 20(4):1074-1080.

- Fraga, M.F., Ballestar, E., Paz, M.F., Ropero, S., Setien, F., Ballestar, M.L., Heine-Suner, D., *et al.*, 2005. Epigenetic differences arise during the lifetime of monozygotic twins. *Proc. Natl. Acad. Sci. U.S.A.* 102(30):10604-10609.
- Fratelli, M., Goodwin, L.O., Ørom, U.A., Lombardi, S., Tonelli, R., Mengozzi, M., Ghezzi, P., 2005. Gene expression profiling reveals a signaling role of glutathione in redox regulation. *Proc. Natl. Acad. Sci. U.S.A.* 102(39):13998-14003.
- Fuke, C., Shimabukuro, M., Petronis, A., Sugimoto, J., Oda, T., Miura, K., Miyazaki, T., *et al.*, 2004. Age related changes in 5-methylcytosine content in human peripheral leukocytes and placentas: an HPLC based study. *Ann. Hum. Genet.* 68:196-204.
- Furman, J., 2006. Cholinesterase monitoring for agricultural pesticide handlers guidelines for health care providers in Washington State. [serial online] [cited 2018 Dec 03]. Available from: <http://depts.washington.edu/opchild/pdf/ProvidersGuidelines.pdf>
- Galloway, T., Handy, R., 2003. Immunotoxicity of organophosphorous pesticides. *Ecotoxicology* 12:345-363.
- Ganji, S.M., Miotto, E., Callegari, E., Sayehmiri, K., Fereidooni, F., Yazdanbod, M., Rastgar-Jazii, F., *et al.*, 2010. Associations of risk factors obesity and occupational airborne exposures with CDKN2A/p16 aberrant DNA methylation in esophageal cancer patients. *Dis. Esophagus* 23:597-602.
- Gomes, M.V.M., Toffoli, L.V., Arruda, D.W., Soldera, L.M., Pelosi, G.G., Neves-Souza, R.D., Freitas, E., *et al.*, 2012. Age-related changes in the global DNA methylation profile of leukocytes are linked to nutrition but are not associated with the MTHFR C677T genotype or to functional capacities. *PLoS One* 7(12).
- Goodson, W.H., Lowe, L., Carpenter, D.O., Gilbertson, M., Ali, A.M., Salsamendi, A.L.D., Lasfar, A., *et al.*, 2015. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis* 36(1 Suppl):254-296.
- Hou, L., Zhang, X., Tarantini, L., Nordio, F., Bonzini, M., Angelici, L., Marinelli, B., *et al.*, 2011. Ambient PM exposure and DNA methylation in tumor suppressor genes: a cross-sectional study. *Part. Fibre Toxicol.* 8:25
- Hue, O., Marcotte, J., Berrigan, F., Simoneau, M., Doré, J., Marceau, P., Marceau, S., *et al.*, 2006. Increased plasma levels of toxic pollutants accompanying

weight loss induced by hypocaloric diet or by bariatric surgery. *Obes. Surg.* 16(9):1145-1154.

Jandacek, R.J., Tso, P., 2001. Factors affecting the storage and excretion of toxic lipophilic xenobiotics. *Lipids* 36:1289-1305.

Jansen, A., Polder, A., Müller, M.H.B., Skjerve, E., Aaseth, J., Lyche, J.L., 2018. Increased levels of persistent organic pollutants in serum one year after a great weight loss in humans: Are the levels exceeding health based guideline values? *Sci. Total Environ.* 622-623(2018):1317-1326.

Jarmalaite, S., Kannio, A., Anttila, S., Lazutka, J.R., Husgafvel-Pursiainen, K., 2003. Aberrant p16 promoter methylation in smokers and former smokers with nonsmall cell lung cancer. *Int. J. Cancer* 106:913-918.

Jiang, D., Shen, Y., Dai, D., Xu, Y., Xu, C., Zhu, H., Huang, T., *et al.*, 2014. Meta-analyses of methylation markers for prostate cancer. *Tumor Biol.* 35:10449-10455.

Jones, P.A., Baylin, S.B., 2002. The fundamental role of epigenetic events in cancer. *Nat. Rev. Genet.* 3(6):415-28.

Jones, P.A., Baylin, S.B., 2007. The epigenomics of cancer. *Cell* 128(4):683-692.

Jones, R.R., Barone-Adesi, F., Koutros, S., Lerro, C.C., Blair, A., Lubin, J., Heltshe, S.L., *et al.*, 2015. Incidence of solid tumours among pesticide applicators exposed to the organophosphate insecticide diazinon in the Agricultural Health Study: an updated analysis. *Occup. Environ. Med.* 72(7):496-503.

Kapka-Skrzypczak, L., Cyranka, M., Skrzypczak, M., Kruszewski, M., 2011. Biomonitoring and biomarkers of organophosphate pesticides exposure—state of the art. *Ann. Agric. Environ. Med.* 18(2):294-303.

Kotake, Y., Naemura, M., Murasaki, C., Inoue, Y., Okamoto, H., 2015. Transcriptional regulation of the p16 tumor suppressor gene. *Anticancer Res.* 35:4397-4402.

Koutros, S., Freeman, L.E.B., Lubin, J.H., Heltshe, S.L., Andreotti, G., Barry, K.H., DellaValle, C.T., *et al.*, 2013. Risk of total and aggressive prostate cancer and pesticide use in the Agricultural Health Study. *Am. J. Epidemiol.* 177(1):59-74.

Koutros, S., Silverman, D.T., Alavanja, M.C.R., Andreotti, G., Lerro, C.C., Heltshe, S., Lynch, C.F., *et al.*, 2015. Occupational exposure to pesticides and bladder cancer risk. *Int. J. Epidemiol.* 45(3):792-805.

- Ku, J.L., Jeon, Y.K., Park, J.G., 2011. Methylation-specific PCR. In: T.O., Tollefsbol (Ed.): *Epigenetics protocols: second edition, methods in molecular biology*. [serial online] [cited 2017 Jun 19]. Available from: https://link.springer.com/protocol/10.1007%2F978-1-61779-316-5_3
- Kurdyukov, S., Bullock, M., 2016. DNA methylation analysis: choosing the right method. *Biology* [serial online] [cited 2017 Jun 17]. Available from: <http://www.mdpi.com/journal/biology>.
- Kuzmina, N.S., Sh. Lapteva, N., Rubanovich, A.V., 2016. Hypermethylation of gene promoters in peripheral blood leukocytes in humans long term after radiation exposure. *Environ. Res.* 146:10-7.
- Kwiatkowska, M., Reszka, E., Woźniak, K., Jabłońska, E., Michałowicz, J., Bukowska, B., 2017. DNA damage and methylation induced by glyphosate in peripheral blood mononuclear cells (in vitro study). *Food Chem. Toxicol.* 105:93-98.
- Lee, W.J., Sandler, D.P., Blair, A., Samanic, C., Cross, A.J., Alavanja .M.C.R., 2007. Pesticide use and colorectal cancer risk in the Agricultural Health Study. *Int. J. Cancer* 121(2):339-346.
- Lee, Y.M., Kim, K.S., Jacobs, D.R., Lee, D.H., 2017. Persistent organic pollutants in adipose tissue should be considered in obesity research. *Obes. Res.* 18:129-139.
- Lehman-McKeeman, L.D., 2008. Absorption, distribution, and excretion of toxicants. In: C.D. Klaassen (Ed.): *Casarett & Doull's toxicology the basic science of poisons*. 7th edition. McGraw-Hill Medical Publishing, New York.
- Lionetto, M.G., Caricato, R., Calisi, A., Giordano, M.E., Schettino, T., 2013. Acetylcholinesterase as a biomarker in environmental and occupational medicine: new insights and future perspectives. *Biomed. Res. Int.* 2013:1-8.
- Liu, Y., Lan, C., Siegfried, J.M., Luketich, J.D., Keohavong, P., 2006. Aberrant promoter methylation of p16 and MGMT genes in lung tumors from smoking and never-smoking lung cancer patients. *Neoplasia* 8(1):46-51.
- Lu, G., Xu, H., Chang, D., Wu, Z., Yao, X., Zhang, S., Li, Z., *et al.*, 2014. Arsenic exposure is associated with DNA hypermethylation of the tumor suppressor gene p16. *J. Occup. Med. Toxicol.* :1-5.
- Luo, D., Zhou, T., Tao, Y., Feng, Y., Shen, X., Mei, S., 2016. Exposure to organochlorine pesticides and non-Hodgkin lymphoma: a meta-analysis of observational studies. *Sci. Rep.* :1-11.

- Lynch, S.M., Mahajan, R., Freeman, L.E.B., Hoppin, J.A., Alavanja, M.C.R., 2009. Cancer incidence among pesticide applicators exposed to butylate in the Agricultural Health Study (AHS). *Environ. Res.* 109(7):860-868.
- Mahajan, R., Blair, A., Lynch, C.F., Schroeder, P., Hoppin, J.A., Sandler, D.P., Alavanja, M.C.R., 2006. Fonofos exposure and cancer incidence in the Agricultural Health Study. *Environ. Health Perspect.* 114(12):1838-1842.
- Martens, J.W.M., Margossian, A.L., Schmitt, M., Foekens, J., Harbeck, N., 2009. DNA methylation as a biomarker in breast cancer. *Future Oncol.* 5(8):1245-1256.
- McMullin, T.S., Brzezicki, J.M., Cranmer, B.K., Tessari, J.D., Andersen, M.E., 2003. Pharmacokinetic modeling of disposition and time-course studies with [14C] atrazine. *J. Toxicol. Environ. Health* 66:941-964.
- Mena, S., Ortega, A., Estrela, J.M., 2009. Oxidative stress in environmental-induced carcinogenesis. *Mutat. Res.* 674(1-2):36-44.
- Moison, C., Guieysse-Peugeot, A., Arimondo, P.B., 2013. DNA methylation in cancer. In: Atlas of genetics and cytogenetics in oncology and haematology. [serial online] [cited 2017 Jul 11]. Available from: <http://atlasgeneticsoncology.org/Deep/DNAMethylationID20127.html>
- Nesheim, O.N., Fishel, F.M., Mossler, M., 2005. Toxicity of pesticides. [serial online] [cited 2017 Aug 09]. Available from: <https://edis.ifas.ufl.edu/pdf/PI/PI00800.pdf>
- Nussbaum, R.L., McInnes, R.R., Willard, H.F., Hamosh, A., 2007. *Thompson & Thompson genetics in medicine*. 7th edition. Saunders Elsevier, Canada.
- Peters, I., Vaske, B., Albrecht, K., Kuczyk, M.A., Jonas, U., Serth, J., 2007. Adiposity and age are statistically related to enhanced RASSF1A tumor suppressor gene promoter methylation in normal autopsy kidney tissue. *Cancer Epidemiol. Biomarkers Prev.* 16(12):2526-2532
- Phillips, T.M., 2000. Assessing environmental exposure in children: immunotoxicology screening. *J. Expo. Anal. Environ. Epidemiol.* 10:769-775.
- Prijanto, T.B., Nurjazuli, Sulistiyan, 2009. Analisis faktor risiko keracunan pestisida organofosfat pada keluarga petani hortikultura di Kecamatan Ngablak Kabupaten Magelang. *J. Kesehat. Lingkungan. Indones.* 8(2):73-78.
- Rayess, H., Wang, M.B., Srivastan, E.S., 2012. Cellular senescence and tumor suppressor gene p16. *Int. J. Cancer* 130:1715-1725.

- Rodier, F., Campisi, J., 2011. Four faces of cellular senescence. *J. Cell Biol.* 192(4):547-556.
- Romagosa, C., Simonetti, S., López-Vicente, L., Mazo, A., Lleona, M.E., Castellvi, J., Cajal, S.R., 2011. p16^{Ink4a} overexpression in cancer: a tumor suppressor gene associated with senescence and high-grade tumors. *Oncogene* 30:2087-2097.
- Rusiecki, J.A., Patel, R., Koutros, S., Beane-Freeman, L., Landgren, O., Bonner, M.R., Coble, J., *et al.*, 2009. Cancer incidence among pesticide applicators exposed to permethrin in the Agricultural Health Study. *Environ. Health Perspect.* 117(4).
- Setiyobudi, B., Setiani, O., Endah, N., 2013. Hubungan paparan pestisida pada masa kehamilan dengan kejadian berat badan bayi lahir rendah (BBLR) di Kecamatan Ngablak Kabupaten Magelang. *J. Kesehat. Lingkungan. Indones.* 12(1):26-33.
- Shepherd, K.R., Lee, E.Y., Schmued, L., Jiao, Y., Ali, S.F., Oriaku, E.T., Lamango, N.S., *et al.*, 2006. The potentiating effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on paraquat-induced neurochemical and behavioral changes in mice. *Pharmacol. Biochem. Behav.* 83:349-359.
- Soltaninejad, K., Abdollahi, M., 2009. Current opinion on the science of organophosphate pesticides and toxic stress: a systematic review. *Med. Sci. Monit.* 15(3):RA75-RA90.
- Su, S., Jin, Y.J., Zhang, W., Yang, L., Shen, Y., Cao, Y., Tong, J., 2006. Abberant promoter methylation of p16^{INK4a} and O⁶-methylguanine-DNA methyltransferase genes in workers at a Chinese uranium mine. *J. Occup. Health* 48:261-266.
- The International Agency for Research on Cancer (IARC), 2015. IARC monographs volume 112: evaluation of five organophosphate insecticides and herbicides. [serial online] [cited 2017 Jun 18]. Available from: <https://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>
- The International Agency for Research on Cancer (IARC), 2008. Mechanism of carcinogenesis. [serial online] [cited 2017 Aug 02]. Available from: https://www.iarc.fr/en/publications/pdfs-online/wcr/2008/wcr_2008_5.pdf
- Vakonaki, E., Androustopoulos, V.P., Liesivuori, J., Tsatsakisa, A.M., Spandidos, D.A., 2013. Pesticides and oncogenic modulation. *Toxicology* 307:42-45.
- van Bommel, D.M., Visvanathan, K., Freeman, L.E.B., Coble, J., Hoppin, J.A., Alavanja, M.C.R. 2008. S-ethyl-N,N-dipropylthiocarbamate exposure

and cancer incidence among male pesticide applicators in the Agricultural Health Study: a prospective cohort. *Environ. Health Perspect.* 116(11):1541-1546.

Veraldi, A., Costantini, A.S., Bolejack, V., Miligi, L., Vineis, P., van Loveren, H., 2006. Immunotoxic effects of chemicals: a matrix for occupational and environmental epidemiological studies. *Am. J. Ind. Med.* 49:1046-1055.

Volz, D.C., Leet, J.K., Chen, A., Stapleton, H.M., Katiyar, N., Kaundal, R., Yu, Y., *et al.*, 2016. Tris (1,3-dichloro-2-propyl) phosphate induces genome-wide hypomethylation within early zebrafish embryos. *Environ. Sci. Technol.* 50:10255-10263.

WHO, 2009. Cancers. [serial online] [cited 2017 Jul 08]. Available from: http://www.who.int/nmh/publications/fact_sheet_cancers_en.pdf

Wilson, L.E., Harlid, S., Xu, Z., Sandler, D.P., Taylor, J.A., 2017. An epigenome-wide study of body mass index and DNA methylation in blood using participants from the Sister Study cohort. *Int. J. Obes.* 41(1):194-199.

Yang, A.S., EsteÂcio, M.R.H., Doshi, K., Kondo, Y., Tajara, E.H., Issa, J.J., 2004. A simple method for estimating global DNA methylation using bisulfite PCR of repetitive DNA elements. *Nucleic Acids Res.* 32(3):1-6.

Yang, P., Ma, J., Zhang, B., Duan, H., He, Z., Zeng, J., Zeng, X., *et al.*, 2012. CpG site-specific hypermethylation of p16^{INK4a} in peripheral blood lymphocytes of PAH-exposed workers. *Cancer Epidemiol. Biomark. Prev.* 21(1):182-190.

Yokoi, K., Yamashita, K., Watanabe, M., 2017. Analysis of DNA methylation status in bodily fluids for early detection of cancer. *Int. J. Mol. Sci.* 18(735)

Zhang, B., Zhu, W., Yang, P., Liu, T., Jiang, M., He, Z., Zhang, S., *et al.*, 2011. Cigarette smoking and p16^{INK4a} gene promoter hypermethylation in non-small cell lung carcinoma patients: a meta-analysis. *PLoS One* 6(12).

Zhang, X., Wallace, A.D., Du, P., Kibbe, W.A., Jafari, N., Xie, H., Lin, S., *et al.*, 2012a. DNA methylation alterations in response to pesticide exposure in vitro. *Environ. Mol. Mutagen.* 53(7):542-549.

Zhang, X., Wallace, A.D., Du, P., Lind, S., Baccarellie, A.A., Jiang, H., Jafari, N., *et al.*, 2012b. Genome-wide study of DNA methylation alterations in response to diazinon exposure in vitro. *Environ. Toxicol. Pharmacol.* 34(3):959-968.