



AARIF HASSAN EL-MUBARAK, *PhD, MRSC*

Plant Protection Department, College of Food & Agricultural Sciences

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Visiting Assoc. Prof, Department of Biochemistry Faculty of Science, University of Gazira, Medani, Sudan

EDUCATION

December 2003 **ERASMUS UNIVERSITY ROTTERDAM, THE NETHERLANDS**
PhD Biochemistry and Analytical Environmental Chemistry
Thesis title "*Some phthalates and pesticides as Endocrine Disrupters: Their effects on Wildlife and Humans.*"

June 1995 **KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS, DHAHRAN, SAUDI ARABIA**
MSc. Analytical Chemistry
Thesis title "*High-Performance liquid chromatographic Separation of some Benzodiazepines with Chemometrical Optimization*"

February 1983 **KING ABDULAZIZ UNIVERSITY, JEDDAH, SAUDI ARABIA**
BSc. Biochemistry

EXPERIENCE

2017-Present **KING SAUD UNIVERSITY** Riyadh, Saudi Arabia
Associate professor, Plant Protection Department, College of Food and Agricultural Science and Environmental Sciences Program, Deanship of Graduate studies, King Saud University, Riyadh, Saudi Arabia

2009-2017 **KING SAUD UNIVERSITY** Riyadh, Saudi Arabia
Assistant professor, Plant Protection Department, College of Food and Agricultural Science

- Teaching Graduate, undergraduate, short courses, training courses in pesticides section, Conduct Research and Development in trace organic/inorganic pollutants, identification and quantification in environmental, samples. ISO 17025 Auditing, (Internal & External), and academic accreditation expert and active member.

2005-2009 **MINISTRY OF ENVIRONMENT** Doha, Qatar
Expert Chemist and consultant, Ministry of Environment & Central Environmental Laboratory

- Supervising trace and chemical analysis at the Central Environmental Laboratory, participate in the Environmental Monitoring Program and the Pollution Control program. Provide training on instrumentation and analysis for the lab researchers and chemists on pesticides, PCBs, and other pollutants. Participate in QA/QC program and Interlaboratory calibration exercises by IAEA and OPCW. Participate in policy, planning, regulation, setting limits and provide support and advice to the higher management of the Ministry.

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS Dhahran, Saudi Arabia

1985-1998 & 2003-2005 *Scientist I (Researcher)*

- Research Institute, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia. Conduct basic and applied research in the areas of Chemistry, Biochemistry, Environmental Toxicology, trace organic & inorganic pollutants in environmental samples including pesticides and PCBs, teaching courses in Instrumental Analysis, Safety, Hazards chemicals and Risk assessment, with emphasis on chemicals in the environment.

COURSES TAUGHT

- PLPT 264 "Pesticides and Occupational Health Safety"
- PLPT 361 "Pesticides Residue Analysis"
- PLPT 404 "Research and Discussion"
- PLPT 503 "Pesticides and Environment"

- PLPT 506 "Chemistry of Pesticides advanced".
- PLPT 526 "Chemistry and Instruments of Pesticides Analysis "
- PLPT 529 "Pesticides Residue Analysis"
- PLPT 517 "Pesticides for non-insect animal pests"
- PLPT 595 "Seminar"
- PPS 347 "Weed Control"
- ENV5 525 "Environmental Toxicology"
- ENV5 512 "Environmental Chemistry"
- ENV5 591 "Seminar"
- ENV5 599 "Research project"

SELECTED PUBLICATION

Selected Published Articles

- Ahmed I. Rushdi, Ismail Al-Shaikh, **Aarif H. El-Mubarak**, Hajer A.J.A. Alnaimi, Noora Al-Shamary, Hassan M. Hassan, Mazen Abou Assali (2017). Characteristics and sources of anthropogenic and biogenic hydrocarbons in sediments from the coast of Qatar *Marine Pollution Bulletin* S0025-326X (17)30595-7 (ISI)
- Ahmad A. Al-Ghamdi, Nowfal I. M. Bayaqoob, Ahmed I. Rushdi, Yehya Alattal, Bernd R. T. Simoneit, **Aarif H. El-Mubarak**, Khalid F. Al-Mutlaq (2016). Chemical compositions and characteristics of organic compounds in propolis from Yemen. *Saudi Journal of Biological Sciences* (DOI: 10.1016/j.sjbs.2016.12.012) (ISI)
- Mohammad I Al-wabel, Adel Rabie Usman, Mohamed El-Saeid, Ali Al-Turki, Ashraf Hassanin, **Aarif H El-Mubarak**, (2016). Levels and risk assessment of dioxin-like PCBs in soils from industrial areas: A case study from Saudi Arabia. *Polycyclic Aromatic Compounds*. DOI: 10.1080/10406638.2016.1224261. (ISI)
- El-Mubarak, A H.**, Rushdi, A. I., Al-Mutlaq, K. Al-Mdawi F., Al-Hazmi, K., Domendin, R. and Pascua, R. (2016). Polycyclic Aromatic Hydrocarbons (PAHs) and trace metals in mosque's carpet-dust of Riyadh, Saudi Arabia and their health risk implications. *Environmental Science and Pollution Research*. 23(21):21273-21287. DOI 10.1007/s11356-016-7299-4 (ISI).
- Rushdi, A I., Khalid F. Al-Mutlaq, **Aarif H. El-Mubarak**, Mohammed A. Al-Saleh, Mubarak T. El-Otaibi, Sami M. M. Ibrahim, and Bernd R. T. Simoneit. (2016). Occurrence and sources of natural and anthropogenic lipid tracers in surface soil from arid urban areas of Saudi Arabia. *Environmental Pollution*. 208: 696-703. (ISI).
- Ibrahim Alhidary, Mutassim M. Abdelrahman, Abdullah H. Alyemni, Rifat U. Khan, **Aarif H. Al-Mubarak**, Hani H. Albaadani (2016) Characteristics of rumen in Naemi lamb: Morphological changes in response to altered feeding regimen. *Acta Histochemica*. 118(4), 331-337, <http://dx.doi.org/10.1016/j.acthis.2016.03.002>. (ISI).
- Rabeea M.A. Daoub , **Aarif H. El-Mubarak** , Misni Misran ,Elfatih A. Hassan , Mohammed E. Osman (2016). Characterization and functional properties of some Natural Acacia gums. *Journal of the Saudi Society of Agricultural Sciences*, <http://dx.doi.org/10.1016/j.jssas.2016.05.002>
- Alqarni, A.S., Rushdi A.I., Owayss, A.A., Raweh, H.S, **El-Mubarak, A.H.**, Simoneit, B.R.T. (2015) Organic Tracers from Asphalt in Propolis Produced by Urban Honey Bees, *Apis mellifera* Linn. *PLoS ONE* 10(6): e0128311. doi:10.1371/journal.pone.0128311. (ISI).
- Aarif H. El-Mubarak**, Ahmed I. Rushdi & Khalid F. Al-Mutlaq, Abdulqader Y. Bazeyad, Staci L. M. Simonich, Bernd R. T. Simoneit (2015). Occurrence of high levels of Persistent Organic Pollutants (POPs) in Particulate Matter of the Ambient Air of Riyadh, Saudi ArabiaArabia., *Arab J Sci Eng* (2015) 40:81–92 DOI 10.1007/s13369-014-1485-9 (ISI).

- Ahmed I. Rushdi · Khalid F. Al-Mutlaq · **Aarif H. El-Mubarak** · Mohammed A. Al-Saleh · Mubarak T. El-Otaibi · Sami M. M. Ibrahim · Bernd R. T. Simoneit (.2015). Occurrence and sources of natural and anthropogenic lipid tracers in surface soils from arid urban areas of Saudi Arabia. *Environmental Pollution* 11/2015; in press:1-8. DOI:10.1016/j.envpol.2015.10.049 · 4.14 Impact Factor (ISI)
- Ahmed I. Rushdi · **Aarif H. El-Mubarak** · Luis Lijotra · Mubarak T. Al-Otaibi · Mohammed A. Qurban · Khalid F. Al-Mutlaq · Bernd R.T. Simoneit (.2015). Characteristics of organic compounds in aerosol particulate matter from Dhahran city, Saudi Arabia. *Arabian Journal of Chemistry* 03/2014; 30. DOI:10.1016/j.arabjc.2014.03.001 · 3.73 Impact Factor (ISI)
- Abdulaziz S. Alqarni, Ahmed I. Rushdi , Ayman A. Owayss, Hael S. Raweh, **Aarif H. El-Mubarak**, Bernd R. T. Simoneit (2015), Organic Tracers from Asphalt in Propolis Produced by Urban Honey Bees, *Apis mellifera* Linn. *PLOS ONE* 2015 DOI:10.1371/journal.pone.0128311. 3.23 Impact Factor (ISI)
- Ahmed I. Rushdi, Bernd R.T. Simoneit, Ali A.Z. DouAbul, Khalid F. Al-Mutlaq, **Aarif H. El-Mubarak**, Mohammed Qurban, Miguel A. Goñi (2014). Occurrence and sources of polar lipid tracers in sediments from the Shatt al-Arab River of Iraq and the northwestern Arabian Gulf. *Science of the Total Environment* 470–471, 80–192. (ISI)
- Ahmed I. Rushdi, Ali A. Z. DouAbul, Bernd R. T. Simoneit, **Aarif H. El-Mubarak**, Khalid F. Al-Mutlaq, Mohammed A. B. Qurban, Miguel A. Goni (2013). Nonpolar lipid tracers in sediments from the Shatt al-Arab River of Iraq and the northwestern Arabian Gulf. *Arab J Geosci* DOI 10.1007/s12517-013-1208-7 (ISI)
- Aarif H. El-Mubarak**, Ahmed I. Rushdi & Khalid F. Al-Mutlaq, Abdulqader Y. Bazeyad, Staci L. M. Simonich, Bernd R. T. Simoneit (2013). Identification and source apportionment of polycyclic aromatic hydrocarbons in ambient air particulate matter of Riyadh, Saudi Arabia., *Environ. Sci. Poll. Res.* (IF: 2.561, (DOI): 10.1087/s11356-013-1946-9) (ISI).
- Noori AL-Waili, Ahmad Al Ghamdi, Mohammad Javed Ansari, Yehya Al-Attal, **Aarif Al-Mubarak**, and Khelod Salom (2013). Differences in Composition of Honey Samples and Their Impact on the Antimicrobial Activities against Drug Multiresistant Bacteria and Pathogenic Fungi. *Archives of Medical Research* 44, 307-316. (ISI)
- Rushdi A. I., Al-Mutlaq K. F., Mubark Al-Etaiby, **Aarif H, El-Mubark**, and Simoneit, B. R. T (2013). Air quality and elemental enrichment factors of aerosol particulate matter in Riyadh City, Saudi Arabia. *Arabian Journal of Geosciences*. 6(2): 585-599. DOI 10.1007/s12517-011-0357-9 (ISI).
- Rushdi, A. I., Al-Mutlaq, K., **El-Mubarak, A. H.**, El-Otaibi, M. (2012). Occurrence and sources of aliphatic hydrocarbons in surface soils from Riyadh city, Saudi Arabia. *Journal of the Saudi Society of Agricultural Sciences*. <http://dx.doi.org/10.1016/j.jssas.2012.04.002>. (online) (To be ISI listed).
- Rushdi A. I., Al-Mutlaq K. F., Mubark Al-Etaiby, **Aarif H, El-Mubark**, and Simoneit, B. R. T. (2012) Air quality and elemental enrichment factors of aerosol particulate matter in Riyadh City, Saudi Arabia. *Arabian Journal of Geosciences*. DOI 10.1007/s12517-011-0357-9 (ISI). (online).
- Aarif H. El-Mubarak**, and Donald Huisinigh (2001). Environmental xenoestrogens: short-term exposure of low doses of lindane, dieldrin, dibutyl phthalate, and diethylhexyl phthalate increases uterine weight in young female mice. *J. Analytical Science* 17: i261-i264. (ISI)

- Aarif H. El-Mubarak**, Sami Yasin Sheikheldin, Nabil M. Fayad and Naseem K. (1999) Development of a simple monitoring technique for oil pollution in sediment. *J. Environmental Science and Health*. 34A (2): 391-404. (ISI)
- Muhammad H. Al-Malack, Nabil S. Abuzaid and **Aarif H. El-Mubarak**. Coagulation of polymeric wastewater discharged by a chemical factory. *Water Research* 33 (2): 521-529, 1999 (ISI).
- Nabil S. Abuzaid, Muhammad H. Al-Malack and **Aarif H. El-Mubarak**. Separation of colloidal polymeric waste using a local soil. *Separation and Purification Technology*, 13: 161-169, 1998 (ISI).
- Nabil S. Abuzaid Muhammad H. Al-Malack and **Aarif H. El-Mubarak** (1997). An alternative method for determining of the chemical oxygen demand for colloidal polymeric wastewater. *Bulletin of Environmental Contamination and Toxicology* 59: 626-630, 1997 (ISI)
- Nabil M. Fayad, Sami Y Shekheldin, Muhammad H. Al-Malack, **Aarif H. El-Mubarak** and Khaja Naseemeldin (1997). Migration of VCM and additives into PVC bottled water. *Journal of Environmental Science and Health*. 32(4): 1065-1083 (ISI)
- Salah M. Sultan and **Aarif H. El-Mubarak**. (1996) HPLC method for the separation and quantification of some psychotherapeutic benzodiazepines optimized by the modified simplex procedure. *Talanta*, 43 569-576. (ISI)
- Nabil M. Fayad, **Aarif H. El-Mubarak** and Ruben L. Edora. (1996). Fate of oil hydrocarbons in fish and shrimp after major oil spills in the Arabian Gulf. *Bulletin of Environmental Contamination and Toxicology*, 56(3): 475-482. (ISI)
- Nabil M. Fayad, **Aarif H. El-Mubarak** Ruben L. Edora, Ali Al-Ghamdi and Anastacio B. Polancos, jr. (1993) Polycyclic Aromatic Hydrocarbons in Ambient Air following the burning of Kuwaiti oil wells. *The Arabian journal for science and engineering* 18(2):117-129. (ISI)
- Nabil M. Fayad, Ruben L. Edora, **Aarif H. El-Mubarak** and Anastacio B. Polancos, Jr. (1992). Effectiveness of a bioremediation product in degrading the oil spill in the 1991 Arabian Gulf War. *Bulletin of Environmental Contamination and Toxicology* 49:787 - 796. (ISI)
- Azhari F.M. Ahmed and **A.H. El-Mubarak** (1991). Assessment of trace elements in hair of Saudi Arabian suburban adult male population. *Environmental Technology* 12: 387 – 392. (ISI)
- Azhari F.M. Ahmed, Raj. P. Singh and **Aarif H. El-Mubarak** (1990). Chemistry of Atmospheric Precipitation in the Eastern Province of Saudi Arabia. *Atmospheric Environment* 24A No 12: 2927 - 2934. (ISI)
- Azhari F.M. Ahmed and Aarif H. El-Mubarak (1990). Lead and Cadmium in human hair: A comparison between Four Countries . *Bulletin of Environmental Contamination and Toxicology* 45:139-148. (ISI)
- Muhammad Sadiq, Ibrahim Alam, **Aarif El-Mubarak** and H. M. Al-Muhdahr (1989). Preliminary Evaluation of Metal Pollution from Wear of Auto Tires. *Bull. Environ. Contam. Toxicol.* 42:743-748. (ISI)

Submitted (ISI)

- Aarif H. El-Mubarak**, Ahmed I. Rushdi1, Khalid F. Al-Mutlaq, Khalid Al-Hazmi, Falah Z. Al-Mdawi, Ramil S. Dumenden and Rex A. Pascua (2016). Levels of pesticides and trace metals in house's carpet -dust of Riyadh, Saudi Arabia and their health risks. *Toxicological & Environmental Chemistry*. (Submitted, under review) (ISI)

Muna A. I. El-Nadeef, Abdelwahab H Abdalla. Abdelazim A Ahmed and **Aarif H El-Mubarak (2016)**. Nutritional, anti-nutritional and health risk assessment of trace metals in three pearl millet (*Pennisetum glaucum* (L.)) cultivars. *Food Chemistry* (**Submitted, under review**) (**ISI**).

Muna A. I. El-Nadeef, Abdelwahab H Abdalla. Abdelazim A Ahmed Huyam Hussein and **Aarif H El-Mubarak (2016)**. Pearl Millet (*Pennisetum glaucum* (L.)) Antioxidant contents and their interaction with Thyroid peroxidase function . *Functional Food* (**Submitted**) (**ISI**).

Selected Conference Proceedings

- 1- **Aarif H. El-Mubarak**, Ahmed I. Rushdi, Khalid F. Al-Mutlaq, Falah Z. Al Mdawi, Khalid Al-Hazmi , Ramil S. Dumenden and Rex A. Pascua. Organic and inorganic trace pollutants in mosques carpet-dust of Riyadh, Saudi Arabia. Global Cleaner Production & Sustainable Consumption Conference. 1 - 4 November 2015 Sitges, Barcelona, **Spain**.
- 2- **Aarif H. El-Mubarak**, Ahmed I. Rushdi, Khalid Al-Mutlaq, Khalid A. Al-Hazmi, Falah Z. Al-Mdawi, Ramil S. Dumenden, Rex A. Pascua. Carpet-dust polycyclic aromatic hydrocarbons (PAHs) as a measure of indoor pollution from houses in Riyadh, Saudi Arabia. 13-16-September 2015, International symposium on polycyclic aromatic compounds (ISPAC 2015) 13-17 Sep. 2015, Bordeaux, **France**.
- 3- **Aarif El-Mubarak**, Ahmed Rushdi, Khalid Al-Mutlaq. Identification and distribution of persistent organic pollutants (POPs) in PM10, PM2.5 and PM0.1 in ambient air of area with a unique climatic characteristics. CLEAR 2014 Conference, Chuncheon, **Korea**. 5-8 Oct. 2014.
- 4- **Aarif H. El-Mubarak**, Ahmed I. Rushdi, Khalid F. Al-Mutlaq, Abdulqader Y. Bazeyad, Staci L. M. Simonich, Bernd R. T. Simoneit. PAHs in Atmospheric PM10 and PM2.5 at a Dense Traffic Node in Riyadh, Saudi Arabia. International symposium on polycyclic aromatic compounds (ISPAC 2013) 9-13 Aug. 2013, Corvallis, **USA**
- 5- **Aarif H. El-Mubarak**, Staci L. Simonich, Ahmed I. Rushdi, Khalid F. Al-Mutlaq and Abdulqader Y. Bazeyad. "Occurrence and Identification of Some Persistent Organic Pollutants (POPS) in the Ambient Air of Riyadh City, Saudi Arabia: A Step toward Clean Air Act" 22-24 Oct. 2012, Greening of Industry Network (GIN) conference, Linkoping University, **Sweden**.
- 6- **Aarif H. El-Mubarak**, Ahmed I. Rushdi, Khalid F. Al-Mutlaq and Subodh Kr. Sasmal, "Persistent Organic Pollutants (POPs) in marine organisms from Arabian Gulf region: An environmental assessment toward cleaner production and sustainable development". AUC-EUR Conference/workshop on Sustainability, 27-29 October 2009, American University in Cairo (AUC), Cairo, **Egypt**
- 7- **Aarif H. El-Mubarak**, Fuad Al-Yousef and Siddig S. Mohammed. Determination of two environmental xenoestrogen mixture in wildlife and human, 4th specialty conference on environmental progress, 23-25 February 2004, **Bahrain**.
- 8- **Aarif H. El-Mubarak**. Industrial safety and human health of some phthalates. 13th Industrial security symposium, 25-28 May 2003, Jeddah, Saudi Arabia (accepted)
- 9- **Aarif H. El-Mubarak (2003)** Obsolete Pesticides Disposal in the Sudan: A Step toward Sustainable Development. *Innovating for Sustainability* October 12-15, 2003 11th International Conference of Greening of Industry Network San Francisco, **USA**

- 10- **Aarif H. El-Mubarak**, and Emmanuel Osei-Twum The Effects of Diethylhexyl Phthalate and Dibutyl Phthalate on the Reproductive System of Mice and Their Determination in Human Blood, 5th international conference on Chemistry in Industry, 14-16 October 2002, Manama, Bahrain (proceedings)
- 11- **Aarif H. El-Mubarak**, Donald Huisingh. short-term exposure of low doses of lindane, dieldrin, dibutyl phthalate, and diethylhexyl phthalate increases uterine weight in young female mice. International Congress on analytical Sciences, Tokyo, **Japan** , 6-10 August 2001. (proceedings)
- 12- **Aarif H. El-Mubarak**. Cleaner production concept and industrial symbioses model. 1st Saudi Science Conference KFUPM, **Saudi Arabia**, 8-10 February 2001(proceedings).
- 13- **Aarif H. El-Mubarak**, Environmental chemicals and cleaner production challenges. Challenges and strategies for environmental management in Asia (World Bank Environmental Forum), Cheju Island, **Korea**, 8-10 February 2001(proceedings).
- 14- **Aarif H. El-Mubarak**, Asfaha Iob, and Abdulrahman M. El-Faki. Assessment of chemicals with environmental endocrine disrupting effects in mice-based uteri assay. 4th international conference on Chemistry in Industry, 14-16 October 2000, Manama, **Bahrain** (Proceedings)
- 15 **Aarif H. El-Mubarak**. Endocrine disrupter: A challenge needs to be addressed for better sustainable development. The Greening of Industry Network, University of North Carolina, Chapel Hill, **USA**, 14-17 November 1999. (proceedings)
- 16- **Aarif H. El-Mubarak**, Sami Y. Sheikheldin, Nabil M. Fayad, and Khaja Naseemeldin. An HPLC developed method for the determination of oil hydrocarbons in sediments following the 1991 Gulf War. Third international conference on chemistry in industry. Manama, **Bahrain**, 18-20 Nov. 1996. (proceedings)
- 17- Nabil M. Fayad, **Aarif H. El-Mubarak**, Ruben L. Edora, Ali Al-Ghamdi, and Anstacio B. Polancos, Jr. Organic pollutants in ambient air of the Eastern Province of Saudi Arabia after the 1991 Kuwaiti oil wells fires. Proceedings of the industrial air pollution symposium, Riyadh, **Saudi Arabia**, 15-17 November 1993, 476-485. (proceedings)
- 18 Muhammad Sadiq, Ibrahim A. Alam and **Aarif H. El-Mubarak**. Effects of sea water salinity, sulphate and carbonate on copper solubility and its environmental implications. Proceedings of the second national meeting of chemists, Riyadh, **Saudi Arabia** 7-9 March 1987, 83-95. (Proceedings)

Selected Thesis Supervision (Accomplished)

Hassan A. Khered, (**January 2013**) **MSc**, Thesis title“ Determination of polycyclic aromatic hydrocarbons (PAHs) in particulate matter (PM10) in ambient air of Riyadh Saud” (**supervisor**).

AbdulAziz Mohammed Almegbl, (**June 2013**) **MSc**, Thesis title “Occurrence and Characterization of Some Persistent Organic Pollutants (POPs) in PM_{2.5} in the Ambient Air of Riyadh” (**supervisor**)

Falah Z. Al-Mdawi , (**June 2014**) **MSc**, Thesis title (Indoor air quality and health implications of Poly-Aromatic Hydrocarbons (PAHs) and heavy metals in rug-dust collected from Mosques in Riyadh, Saudi Arabia” (**supervisor**).

Khalid Al-Hazmi , (**June 2014**) **MSc**, Thesis title (Occurrence, Identification of Chemical Pollutants in Carpet Dust Collected from Houses in Riyadh, Saudi Arabia and Their Health Risk” (**supervisor**).

Turki Al-Ejaian , (**June 2015**) **MSc**, Thesis title (Air quality of Riyadh and health risks associated with trace element pollutants in PM₁₀” (**supervisor**).

Hesham Khalifa , (**Jan 2017**) **MSc**, Thesis title (Determination and remediation of polycyclic aromatic hydrocarbons during pyrolysis of *Conocarpus sp.* wastes under chemical oxidation (**supervisor**).

Projects (Funded)

- 1- Ahmed I. Rushdi, Khalid F. Al-Mutlaq and **Aarif H. El-Mubarak (Co-PI)**. Oil pollutants and natural organic matter in surface sediments from the eastern coast of Saudi Arabia: Multi-biomarker approach and priorities for coastal ecosystem studies.” October 2010 (Project No. **ENV-481**) Funding amount (**1865350 SR = 497426 \$**).
- 2- **Aarif H. El-Mubarak (PI)**, Ahmed I. Rushdi and Khalid, F. Al-Mutlaq Distribution of persistent organic pollutants (POPs) in the ambient air between gas phase, particulate matter and solid in Riyadh, Saudi Arabia. October 2010 (Project No. **ENV-482**) Funding amount (**1485750 SR = 396200 \$**)
- 3- **Aarif H. El-Mubarak (PI)**, Ahmed I. Rushdi and Khalid F. Al-Mutlaq. Chemical and microbial characteristics and health risk assessment of rug dust from mosques and houses in Riyadh. April 2011 (Project No. **ENV-1020**) Funding amount (**1544500 SR = 411867 \$**)
- 4- Mohammad Javed Ansari, Yahya Al Attal, **Aarif H. El-Mubarak (Co-PI)**, Khelod Salom Identification and Characterization of Antimicrobial Agents Extracted from Honey collected from Different Locations in Saudi Arabia. March 2011 (**AGR-1748**) Funding amount (**1868400 SR = 498240 \$**).
- 5- **Aarif H. El-Mubarak (PI)**, Ahmed I. Rushdi and Khalid, F. Al-Mutlaq Chemical compositions, sources, and health effects of urban and rural aerosol particulate matter in the Riyadh area, Saudi Arabia. October 2016 (Project No. **ENV-5070**) Funding amount (**1485750 SR = 396200 \$**) **Recommended/Approved**
- 6- **Aarif H. El-Mubarak (PI)**, Ahmed I. Rushdi and Khalid, F. Al-Mutlaq Anthropogenic and natural organic matter in surface sediments from the Red Sea coast of Saudi Arabia: Multi-biomarker and geochemical applications. October 2010 (Project No. **ENV-2233**) Funding amount (**1999402 SR = 533174 \$**) **Recommended/Approved**

Professional Association:

Member of American Chemical Society (ACS) Membership No 01115966 since 6/12/2008
Member Royal Society of Chemistry (MRSC) Membership No 433315 since 8/12/2009
Member of the New York Academy of Sciences
Member of the Saudi Arabian International Chemical Science Chapter of ACS
Member of the Sudanese Society for Environmental protection (SSEP)
Member of Saudi Society of Agricultural Sciences (SSAS) membership No since

Invited talks as key note speaker

2nd Annual Waste Management Middle East Forum - Abu Dhabi, 4-5 October, 2011.

3rd Annual Greenomics 2010 conference, Dubai, November 8, 2010

Community services

Consultancy services

- Consultant and specialist to the Ministry of the Environment, Qatar 2005-2009
- Management representative ISO-9001-2015 College Food and Agri. Sci, KSU
- ISO 9001-15 consultant and auditor, Private sector, UAE, Sudan & Saudi Arabia
- Consultant on ISO 17025 auditor, Zirku international, Abu Dhabi, UAE 2007-2009.
- ISO 14001 consultant
- ISO 18000 consultant
- **Consultant to Ricardo-IAEA, Oxford, UK, to Arriyadh Development Authority for Air Quality Project, Riyadh, Saudi Arabia 2013-2016**

Committees

1. Board Member, of MS program in Environmental Sciences, College of Science, KSU.
2. Member Accreditation and quality committee, Plant protection department, college of food and agriculture sciences, KSU
3. Chair safety and health committee, Plant protection department, CFAS, KSU
4. Chair of “Safety Committee” College of Food and Agriculture Sciences, KSU 2011-2017
5. Member, Standard No 4 committee, college of food and agriculture sciences, KSU
6. Consultant to “Strategic plan advisory committee” College of Food and Agriculture Sciences, KSU and College of Food and Agriculture Sciences management representative for Quality (MRQ) (ISO9001-2008)
7. ISO representative for College of Food and Agriculture Science to King Saud University, since 02/04/1434 to date ISO representative for College of Food and Agriculture Science to King Saud University, since 02/04/1434 to date.
8. Quality representative for College of Food and Agriculture Science to King Saud University, since 02/04/1434 to date ISO representative for College of Food and Agriculture Science to King Saud University, since 02/04/1434 to date

Others

- **Associate editor**, Journal of Saudi Society for Agricultural Sciences (JSSAS) “To be ISI listed”
- **Reviewer** for number of journals including but not limited to, Environmental Science and Technology (ES&T), Environmental Science and Pollution Research (ESPR), Journal of Cleaner Production (JCP), Journal Environmental Toxicology and chemistry (SETAC), Arabian Journal for sciences and Engineering (AJSE)