

Curriculum Vitae

of

Abdus Salam, PhD

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HIGHLIGHTS OF THE QUALIFICATION

- Research and teaching experiences in North America, Europe, and Southeast Asia on **Atmospheric Science**, especially Air Quality, Chemical Characterization, Sources Identification, Biomass Burning, Brick Kilns and Traffic Emission, Fog and Rain Water Chemical Composition, Ice nucleation, Impact Assessment on Human health, Climate, and Ecosystem.
- Teaching chemistry courses, e.g., Atmospheric chemistry, Air Quality, Environmental Chemistry, Environmental Monitoring and Analysis, Instrumental methods for chemical analysis, chemistry of the elements, and fundamentals of chemistry.
- Organizing national/international conferences, workshops and scientific meetings.
- Scientific committee member, 16th International Global Atmospheric Chemistry Conference 2020, University of Manchester, UK.
- Occasional consultancy for the local as well as foreign organizations including US State Department
- Established and operating as a Principal Investigator of two air quality monitoring stations at the Island of the Bay of Bengal (coastal Bhola) and Urban Dhaka, Bangladesh with the collaboration of NASA-USA, ONR Global-USA; Dalhousie University, Canada; Stockholm University, Sweden.
- Health impact of Atmospheric particulate matters with various low cost sensors
- Operating a Surface PARTICulate mAtter Network (SPARTAN) station in Dhaka, Bangladesh.
- Working as a Principal Investigator (PI) of various national and international research projects.
- Supervising 25 students: 2 PhDs, 6 Masters (old), 8 BS (New) and 9 BS Honours projects.
- Active participation in **Electronic** (Talk show/Interview) and **Print media** (Interview) on *Atmospheric Chemistry/Pollution: Causes, impacts and mitigation* on International (BBC TV and Radio) and national (BTV, 71TV, ntv, DBC, Diganto, ATN Bangla, ATN News, Boishaki TV, Channel 24, etc.) Channels.

EDUCATION AND TRAINING

- Visiting Scholar, Dec 2011-Mar 2012, Centre for Atmospheric Chemistry, York University, Canada.
- Post Doctorate in Atmospheric Chemistry, 2009-2010, York University, Toronto, Canada.
- Post Doctorate in Atmospheric Science, 2003-2005, Dalhousie University, Toronto, Canada.
- PhD in Atmospheric Chemistry, 2000-2003, Vienna University of Technology, Austria.
- MSc in Physical-Inorganic Chemistry, 1994-1996, Department of Chemistry, DU, Bangladesh.
- BSc in Chemistry, 1989-1994, Department of Chemistry, University of Dhaka, Bangladesh.

PROFESSOR MEMBERSHIP

- Scientific Steering Committee (SSC) member, International Global Atmospheric Chemistry (IGAC)
- Member, International Global Atmospheric Chemistry-Monsoon Asia and Oceania Networking Group (IGAC- MANGO)
- Executive committee member, Aerosol composition and Asian Monsoon (ACAM) workshop
- Member, American Geophysical Union (AGU)
- Member, European Geoscience Union (EGU)
- Member, Canadian Chemical Society (CCS)
- Member, Bangladesh Chemical Society (BCS)
- Member, Dhaka University Alumni Association (DUAA)
- Member, Dhaka University Chemistry Alumni Association (DHCAA)
- Member, Society for Pharmaceutical Chemist, Bangladesh

EMPLOYMENT HISTORY

- Professor (Since May 2014): Department of Chemistry, University of Dhaka, Bangladesh.
- Associate Professor (2010-2014): Department of Chemistry, University of Dhaka, Bangladesh.
- Assistant Professor (2006-2010): Department of Chemistry, University of Dhaka, Bangladesh.
- Lecturer (2005-2006): Department of Chemistry, University of Dhaka, Bangladesh.
- Project Co-worker (2000-2003): Institute of Analytical Chemistry, TU Vienna, Vienna, Austria.

- Analytical Chemist (1996-2000): Beximco Pharmaceuticals Ltd., Dhaka, Bangladesh.

AWARDS

- CFCAS Postdoctoral Scholarship, Dalhousie University, Halifax, Nova Scotia, Canada.
- North South Dialogue Scholarship, Austrian Exchange Service, Vienna, Austria.
- Academic Excellent Scholarship, University of Dhaka, Dhaka, Bangladesh.

INTERNATIONAL COLLABORATION

- National Aeronautics and Space Administration (NASA), USA - AERONET
- Dalhousie University, Canada - SPARTAN Network
- Stockholm University, Sweden
- University of Surrey, UK
- StratoClim, EU Project
- Akita Prefectural University, Japan
- Vienna University of Technology, Austria
- Academia Sinica, Taiwan
- US State Department and ARCADIS, USA
- National University of Malaysia (UKM)
- ICIMOD, Nepal

COUNTRY VISITED

- Austria, Canada, China, Germany, Hungary, India, Italy, Japan, Malaysia, Maldives, Nepal, Saudi Arabia, Spain, Sweden, Taiwan, Thailand, UK, USA, etc.

REVIEWER OF THE INTERNATIONAL JOURNALS

- Environmental Science and Technology
- Atmospheric Environment
- International Journal of Environmental Analytical Chemistry
- Atmospheric Research
- Journal of Biotechnology
- Scientific Reports, Nature publishing group
- Air Quality, Atmospheric and Health
- Environmental Processes
- International Journal of Ambient Energy

PUBLICATIONS

1. Dasari, S, A Andersson, S Bikkina, H Holmstrand, K Budhavant, J Backman, J Kesti, E Asmi, **A Salam**, DS Bisht, S Tiwari, A Zahid, Ö Gustafsson (2019). Photochemical degradation of Brown Carbon aerosols using isotope forensics in the South Asian outflow. *Science Advances*, 5(1), DOI: 10.1126/sciadv.aau8066 .
2. Rahman MS, M Dulal H Khan, YN Jolly, J Kabir, S Akter, **A Salam** (2019). Assessing risk to human health for heavy metal contamination through street dust in the Southeast Asian Megacity: Dhaka, Bangladesh. *Science of the Total Environment*. doi.org/10.1016/j.scitotenv.2018.12.425.
3. Akther T, M Ahmed, M Shohel, FK Ferdous, **A Salam** (2019). Particulate Matters and Gaseous Pollutants in Indoor Environment and Association of Ultra-fine Particulate Matters (PM1.0) with Lung Function. *Environmental Science and Pollution Research*. doi.org/10.1007/s11356-018-4043-2.
4. W Crystal, S Graydon, Li Chi, van D Aaron, P Sajeev, B Paul, B Jaqueline, J John, L Robyn, S Emily, A Ihab, A Clement, A N Xuan, B Jeffrey, C Aaron, D Jinlu, G Mark, G Derek, He KB, H Brent, K Ralph, K Christoph, K J Sung, L Nofel, L Puji, L Khian, Y L Yang, M Eloise, M J, M Amit, M Ulfi, P Rizki, Q Eduardo, **Salam A**, S Lior, T Sachchida, W Chien, Z Qiang, B Michael, R Yinon, M Randall (2018). Global Sources of Fine Particulate Matter: Interpretation of PM_{2.5} Chemical Composition Observed by SPARTAN using a Global Chemical Transport Model. *Environmental Science & Technology*, DOI: 10.1021/acs.est.8b01658.

5. M Ahmed, M Das, T Afser, M Rokonujjaman, T Akther, **A Salam** (2018). Emission of Carbonaceous Species from Biomass Burning in the Traditional Rural Cooking Stove in Bangladesh. *O Journal of Air Pollution*, 7 (4).
6. R Aktar, M Ahmed, M Shohel, **A Salam** (2018). Chemical Composition and Source Characterization of Hailstones in Dhaka, Bangladesh. *Journal of Geoscience and Environment Protection (GEP)*, 6, 71-82.
7. M Ahmed, A Hossain, T Akther, M Shohel, **A Salam** (2018). Chemical Composition and Source Identification of Fog Water at an Indo-Gangetic Plain (IGP) outflow location (Coastal Bhola Island), Bangladesh. *Journal of Environmental Pollution and Management (JEPM)*, 1:104.
8. MI Haque, K Nahar, MH Kabir, **A Salam** (2018). Particulate black carbon and gaseous emission from brick kilns in Greater Dhaka region, Bangladesh. *Air Quality, Atmosphere & Health*, 11(8), 925-935, doi.org/10.1007/s11869-018-0596-y.
9. M Shohel, M Kistler, MA Rahman, A Kasper-Giebl, JS Reid, **A Salam** (2018). Chemical characterization of PM_{2.5} collected from a rural coastal island of the Bay of Bengal (Bhola, Bangladesh). *Environmental Science and Pollution Research*, doi.org/10.1007/s11356-017-0695-6.
10. M Shohel, HA Simul, E Reid, JS. Reid, **A Salam** (2017). Dew Water Chemical Composition and Source Characterization in the IGP Outflow Location (Coastal Bhola, Bangladesh). *Air Quality, Atmosphere and Health*, 10 (8), 981-990, doi.org/10.1007/s11869-017-0487-7.
11. Snider G, Weagle CL, Murdymootoo KK, Ring A, Ritchie Y, Stone E, Walsh A, Akoshile C, Anh N X, Balasubramanian R, Brook J, Qonitan FD, Dong J, Griffith D, He K, Holben BN, Kahn R, Lagrosas N, Lestari P, Ma Z, Misra A, Norford LK, Quel EJ, **A Salam**, Schichtel B, Segev L, Tripathi S, Wang C, Yu C, Zhang Q, Zhang Y, Brauer M, Cohen A, Gibson MD, Liu Y, Martins JV, Rudich Y, Martin RV (2016). Variation in global chemical composition of PM_{2.5}: emerging results from SPARTAN, *Atmosphere Chemistry and Physics*, 16, 9629-9653.
12. S Sultana, AKMNA Siddiki, M Rokonujjaman, MN Naser, MA Salam, **A Salam** (2016). Heavy metals accumulation in freshwater mussels (*Lamellidens marginalis*) as a biological monitor inhabiting in Dhanmondi Lake, Dhaka, Bangladesh. *International Journal of Bioassays*, 5 (10), 4933-4938.
13. SA Shammi, **A Salam**, MAH Khan (2016). Enrichment of Nutrient Status of Water -Soil Systems Caused by Industrial Effluents. Governance and Development, Changing Dynamics and Shifting Agendas. Osder Publications, Dhaka, Bangladesh (ISBN: 978 -984-92653-1-3).
14. S A Shammi, **A Salam**, AH Khan (2016). Assessment of Metal Contamination in Water of Bangshi River. *Bangladesh Journal of Soil Science*, 38(1):27-35.
15. S Akter, **A Salam**, AH Khan (2015). Efficiency of natural bio-adsorbents to remove heavy metal ions from artificially contaminated water. *Bangladesh Journal of Soil Science*, 37(1): 57-63.
16. **A Salam**, M Assaduzzaman, M N Hossain, A.K.MNA Siddiki. (2015). Water Soluble Ionic Species in the Atmospheric Fine Particulate Matters (PM_{2.5}) in a Southeast Asian Mega City (Dhaka, Bangladesh). *O. Journal of Air Pollution*, 4(3), 99-108.
17. MF Islam, Majumder SS, Al Mamun A, KMB Rahman, **A Salam** (2015). Trace Metals Concentrations at the Atmosphere Particulate Matters in the Southeast Asian Mega City (Dhaka, Bangladesh). *O. Journal of Air Pollution*, 86-98.
18. MA Rahman, S Kamal, **A Salam**, MA Salam (2015). Assessment of the quality of the poultry feed and its effect in poultry products in Bangladesh. *Journal of Bangladesh Chemical Society*, 27(1&2), 120-131.
19. Snider G, Weagle CL, Martin RV, van Donkelaar A, Conrad K, Cunningham D, Gordon C, Zwicker M, Akoshile C, Artaxo P, Anh N X, Brook J, Dong J, Garland, RM, Greenwald R, Griffith D, He K, Holben BN, Kahn R, Koren I, Lagrosas N, Lestari P, Ma Z, Martins VJ, Que EJ, Rudich Y, **Salam A**, Tripathi SN, Yu C, Zhang Q, Zhang Y, Brauer M, Cohen A, Gibson MD, Liu Y (2015). SPARTAN: a global network to evaluate and enhance satellite-based estimates of ground-level particulate matter for global health applications, *Atmospheric Measurements Technology*, 8, 505-52. Doi.org/10.5194/amt-8-505-2015.
20. **A Salam**, M Hasan, BA Begum, SK Biswas (2013). Chemical Characterization of Biomass Burning Emissions at the Cooking Stoves in Bangladesh. *Biomass and Bioenergy*, 52,122-130.
21. **A Salam**, MB Ullah, MD Islam, MA Salam, SM Ullah (2013). Carbonaceous species in total suspended particulate matters at different urban and suburban locations in the Greater Dhaka region, Bangladesh. *Air Quality, Atmosphere and Health*, Springer Ltd., 6(1), 239-245. doi.org/10.1007/s11869-011-0166-z.

22. F Khan, MA Salam, MA Rahman, **A Salam**, A. M. Shafiqul Alam and Amjad Hossain (2012). Interaction of 1-pyrrolidine Carbodithioic Acid with Cu(II), Ni(II) and Co(II) Ions. *Bangladesh Pharmaceutical Journal*, 15(1), 23-29.
23. AKMNA Siddiki, MS Rahman, MA Rahman, MA Salam, **A Salam**, MA Yousuf, MF Islam, MA Arafat. Synthesis and Antimicrobial Studies of Copper (II) Metal Complexes that Specifically Recognize Nucleic Acid Bases. *Bangladesh Pharmaceutical Journal*, 2012, 15(1), 83-87.
24. MA Rahman, MA Hasan, MA Salam, **A Salam**, NA Siddique, AMS Alam. Betel-nut peel (BP) as an adsorbent in the removal of Ca, Cr and Pb from aqueous solutions. *P. Journal of Analytical & Environmental Chemistry*, 2012, 13(2), 137-147.
25. NJ Ara, MA Hasan, MA Rahman, MA Salam, **A Salam**, AMS Alam (2012). Removal of Remazol Red from Textile Waste Water using Treated Sawdust. *Bangladesh Pharmaceutical Journal*, 16(1): 93-98, 2013.
26. BA Begum, AKME Haque, MK Mahmud and **A Salam** (2012). Particulate matter pollution near the industrial area at Modonpur, Naryanganj, Bangladesh. *Bangladesh Journal of Physics*, 12, 27-38.
27. MA Rahman, MA Salam, **A Salam**, M Roy, AMS Alam (2012). Mineral content of different bottled water available in Bangladesh: Assessment of their compliance with current regulations. *Journal of the Asiatic Society of Bangladesh*, 38(1), 7-15.
28. **A Salam**, H Al-Mamoon MB Ullah, SM Ullah (2012). Measurement of the Atmospheric Aerosol Particle Size Distribution in a Highly Polluted Mega-City in Southeast Asia (Dhaka-Bangladesh). *Atmospheric Environment*, 59, 338-343.
29. K Roy, F Islam, BA Begum, **A Salam**, PK Hopke (2012). Source identification of carbonaceous aerosol during winter months in the Dhaka city. *Journal of Bangladesh Academy of Scientific*, 36(2), 241-250.
30. MA Salam, **A Salam** MA Yousuf, K Aoki (2011). Interligand Interactions Affecting Specific Metal Bonding to Nucleic Acid Bases: Synthesis and Structural Determination of the Complex [ni(NTA) (9-methyladeninium)(H₂O)].H₂O. *Journal of the Asiatic Society of Bangladesh*, 37(1), 67-73.
31. BA Begum, M Kamal, MA Salam, **A Salam**, MA Salam (2011). Assessment of Particulate Air Pollution at Kalabagan and Shisumela Area along the Mirpur Road, Dhaka. *Bangladesh Journal of Scientific and Industrial Research*, 46(3), 343-352.
32. **A Salam**, MA Salam. Levels of Trace Metals in Atmospheric Suspended Particulate Matters in Dhaka, Bangladesh. *Bangladesh Pharmaceutical Journal*, 2011, 14 (1), 21-26.
33. Al-Emran, **A. Salam**, Md. A. Salam (2009). Removal of Organic Dye with Different Low Cost Natural Bio-adsorbents from Artificially Contaminated Aqueous System. *The Dhaka University Journal of Science*, 58(1), 97-100.
34. M Hasan, **A Salam**, AMS Alam (2009). Identification and characterization of trace metals in black solid materials deposited from biomass burning at the cooking stoves in Bangladesh. *Biomass and Bioenergy*, Elsevier Ltd., 33: 1376-1380.
35. **A Salam**, G Lesins, U Lohmann (2008). Laboratory Studies of Heterogeneous Ice Nucleation in Deposition Mode of Montmorillonite Mineral Dust Particles Aged with Ammonia, Sulfur Dioxide, and Ozone Gases at polluted atmospheric conditions. *Air Quality, Atmosphere and Health*, Springer Netherlands, 1:135-142, doi.org/10.1007/s11869-008-0019-6.
36. **A Salam**, T Hossain, MNA Siddique, AMS Alam. Characteristics of Atmospheric Trace Gases, Particulate Matters, and Heavy Metal pollutions in Dhaka, Bangladesh. *Air Quality, Atmosphere and Health*, Springer Netherland, 2008, 2(1):101-109, doi.org/10.1007/s11869-008-0017-8.
37. TA Mahmud, MNA Siddique, **A Salam**, AMS Alam. Temporal Variation of Atmospheric Aerosol Particulate Matters and Heavy Metal Concentrations in Dhaka, Bangladesh. *Pakistan Journal of Analytical and Environmental Chemistry*, 2008, 9(1): 26-31.
38. **A Salam**, U Lohmann, G Lesins (2007). Ice Nucleation of Ammonia Gas Exposed Montmorillonite Mineral Dust Particles. *Atmospheric Chemistry and Physics*, 7, 3923-3931.
39. **A Salam**, U Lohmann, B Crenna, G Lesins, P Klages, D Rogers, R Irani, A MacGillivray, M Coffin (2006). Ice Nucleation Studies of Mineral Dust Particles with a New Continuous Flow Diffusion Chamber, Canada. *Aerosol Science and Technology*, 40, 134-143.
40. H Puxbaum, B Gomiscek, M Kalina, H Bauer, **A Salam**, S Stopper, O Preining, H Hauck. A dual site study of PM_{2.5} and PM₁₀ aerosol chemistry in the larger region of Vienna, Austria. *Atmospheric Environment*, 2004, 38(24), 3949-3958.

41. H Hauck et al., AUPHEP - Austrian Project on Health Effects of Particulates - General overview. *Atmospheric Environment*, **2004**, 38(24), 3905-3915.
42. M. Alamgir, S. M. Ullah, A. S. Mollah and A. Salam (2004). Effect of K on Transfer of ¹³⁷Cs from soil to vegetable crops in Bangladesh. *The Dhaka University Journal of Biological Science*, 13(2), 203-210.
43. A Salam, H Bauer, K Kassin, SM Ullah, H Puxbaum. Aerosol chemical characteristics of a mega-city in Southeast Asia (Dhaka-Bangladesh). *Atmospheric Environment*, **2003**, 37(18), 2517-2528.
44. A Salam, H Bauer, K Kassin, SM Ullah, H Puxbaum. Aerosol chemical characteristics of an island site in the Bay of Bengal (Bhola-Bangladesh). *Journal of Environmental Monitoring*, **2003**, 5(3), 483-490.
45. AJ Mahmood, A Salam, MM Islam (2003). Adsorption of metal ions on an algal biomass (*Oedogonium Sp.*). II. Effect of pH on the adsorption of Fe (III), Zn (II), Cd (II) and Hg (II) ions. *The Dhaka University Journal of Science*, 51(2), 197-200.
46. AJ. Mahmood, A. Salam, M. M. Islam (2002). Adsorption of metal ions on an algal biomass (*Oedogonium Sp.*). I. Adsorption characteristics of some metal ions. *The Dhaka University Journal of Science*, 50(2), 173-175.

ORAL PRESENTATIONS

1. *Air pollution challenges and mitigation opportunities in Bangladesh* (Oral), Clean Air Engineering for Cities (CArE-Cities) Workshop, University of Surrey, **UK**, April 10-11, 2019.
2. *Air Pollution in Bangladesh: Composition, Sources and Impacts* (Oral), Public Lecture Organized by Dhaka University Science Society (DUSS), February 24, 2019, Dhaka, **Bangladesh**.
3. *Air Quality Status at an Extremely Polluted Southeast Asian Mega City-Dhaka, Bangladesh*, Air Pollution Extremes Workshop, November 2018, Columbia University, New York, **USA**.
4. *Chemical Characterization and Sources of Atmospheric Particulate Matters and Health Impact Studies in Bangladesh* (Plenary Speaker), SESM International Symposium 2018, AIU, Dhaka, **Bangladesh**.
5. *The trend, Chemical Composition, and Emission Sources of Atmospheric Fine Particulate Matters in Bangladesh* (Invited), International Conference on Atmospheric Composition and Climate Change in Asia 2018 (ICACCCA 2018), UKM Bangi, **Malaysia**.
6. *Influence of Asian Monsoon on Chemical Composition, and Emission Sources of PM_{2.5} in Bangladesh*. 3rd International Workshop on Atmospheric Composition and the Asian Monsoon (ACAM), 2017, Guangzhou, **China**.
7. International Workshop on Major Challenges and Opportunities for Air Pollution Research and Communication in South Asia: Bangladesh Perspective, November 28-29, 2016, Kathmandu, **Nepal**.
8. *Overview of Air Pollution Studies in Bangladesh*, Future Earth Asian Perspective Symposium on Air Pollution Trans-disciplinary Collaboration. 2016, Taipei, **Taiwan**.
9. *Atmospheric Pollution and its Emission Sources in the Southeast Asian Megacity, Dhaka-Bangladesh*. 17th Global Emissions Initiatives (GEIA) Conference, 2015, Beijing, **China**.
10. *Introduction of the Atmospheric Chemistry Research in Bangladesh*, Planning Workshop of the International Global Atmospheric Chemistry (IGAC), 2015, AIT, Bangkok, **Thailand**.
11. *Recent Air Quality Status in Bangladesh*, Workshop on the Persistent Winter Fog, 2014, ICIMOD, Kathmandu, **Nepal**.
12. *Aerosol Optical Depth (AOD) Measurements from a Newly Established NASA-AERONET Station in Dhaka, Bangladesh*. Seventh Regional Stakeholders cum Coordination Meeting (RSC7), 18-19 May 2013, Dhaka, **Bangladesh**.
13. *Aerosol chemical characterization of a highly polluted megacity in Southeast Asia (Dhaka, Bangladesh)* (Invited Lecture), 2012, Potsdam, Clarkson University, **USA**.
14. *Preliminary results from sun photometer-a newly established NASA-AERONET station in Dhaka University*, Bangladesh Chemical Congress (BCC), 2012, BCSIR, Dhaka, **Bangladesh**.
15. *Application of PARGAN for the determination of aerosol particle growth rate in field measurements*, Atmosphere Chemistry Discussion Series, 2010, Centre for Atmospheric Chemistry, York University, Toronto, **Canada**.
16. *Air quality monitoring and chemical characterizations at urban and regional background locations in Bangladesh* (Invited), Atmosphere Chemistry Seminar Series, Environment Canada, 2009, Toronto, **Canada**.

17. *Sources and characterization of atmospheric pollutants in Bangladesh*, International Workshop on Atmospheric Brown Cloud (ABC) Emission Inventory, 2008, Asian Institute of Technology (AIT), Bangkok, **Thailand**.
18. *Study on the Atmospheric Pollution in Dhaka city, Bangladesh*, Bangladesh Chemical Congress (BCC) 2007, Chemistry Department, Dhaka, **Bangladesh**.
19. *Sources and chemical characteristics of atmospheric aerosol particles at urban and rural sites in Bangladesh*, Composition of Asian Atmospheric Deposition (CAD) Workshop, 2006, Hyderabad, **India**.
20. *Ice nucleation and chemical characterization of atmospheric aerosol particles*, Atmospheric Brown Cloud (ABC) Training School, 2006, Hanimaadhoo, **Maldives**.
21. *Deposition ice nucleation studies of kaolinite and montmorillonite mineral dust particles with a Continuous Flow Diffusion Chamber*, International Association of Meteorology and Atmospheric Science (IAMAS), 2005, Beijing, **China**.
22. An Observatory Proposal for the Atmospheric Brown Clouds (ABC) Project: The Island of the Bay of Bengal (Bhola, Bangladesh). *The Seventh ABC Science Team Meeting, Organized by United Nation Environmental Program (UNEP)*, Bangkok, **Thailand**, December 2005.
23. *The efficiency of atmospheric aerosol particles in ice nucleation with Continuous Flow Diffusion Chamber*, Atmospheric Science Seminar, Department of Physics and Atmospheric Science, Dalhousie University, 2004, Halifax, **Canada**.
24. *Aerosol chemical characteristics of different urban and rural sites in Southeast Asia (Bangladesh) and Central Europe (Austria)*, 2003, Department of Physics and Atmospheric Science, Dalhousie University, Halifax, **Canada**.
25. *Occurrence and characteristics of carbonaceous species in atmospheric aerosol particles*, 2003, Institute for Analytical Chemistry, Vienna University of Technology, Vienna, **Austria**.

REFERENCES WILL BE AVAILABLE UPON REQUEST