

Dr. H. M. ANWAAR ASGHAR



[HTTPS://SCHOLAR.GOOGLE.COM/PK/CITATIONS?USER=OCckhVSAAAA&HL=EN](https://scholar.google.com/pk/citations?user=OCckhVSAAAA&hl=en)

Professor: Institute of Chemical Engineering & Technology, University of the Punjab, Lahore, Pakistan

enr.anwaar.icet@pu.edu.pk

Office: +924299230053

Mobile: +923214771296

POSITIONS

- Professor of Chemical Engineering at University of the Punjab since January 2018 to date
- Associate Professor at University of the Punjab from May 2016 to January 2018
- Assistant Professor at University of the Punjab from October 2011 to May 2016
- Research Associate at the Arvia Technology Pvt. Ltd. UK, 2008 to 2011
- Lecturer at University of the Punjab since January 2003 to October 2008
- Shift Engineer (Polymer Plant) at Rupali Polyester Pvt. Ltd. Lahore from August 2001 to January 2003

EDUCATION

2011	PhD		University of Manchester, UK (UMIST)
2007	MSc. Engg.	1 st Division	University of the Punjab, Lahore, Pakistan
2001	BSc.Engg.	1 st Division	University of the Punjab, Lahore, Pakistan
1995	FSc.	1 st Division	BISE, Lahore, Pakistan
1992	Matriculation	1 st Division	BISE, Lahore, Pakistan

APPROVED RESEARCH GRANTS & PROJECTS LEADING to MSc & PhD DEGREES

PhD Project

- Removal of amines from water using adsorption and electrochemical regeneration, PhD research project (in process)

MSc Projects

- Removal of Acephate from water using adsorption and electrochemical regeneration
- Kinetic modelling for the adsorption of organic pollutants onto graphite-based adsorbent
- Development of synthetic fiber using bamboo
- Synthesis and characterization of polyester polyols
- Kinetic and equilibrium studies of adsorption of dyes from aqueous solution onto low cost agricultural-based rice husk activated carbon.
- Electrochemical oxidation of crystal violet dissolved in aqueous solution using solar energy.
- Removing hardness from distiller wastewater of soda ash industry by utilizing carbonating tower waste gases
- Investigation of operating parameters for the synthesis of fuel derived from scrap tyre pyrolysis
- Energy and economic analysis of LPG recovery from natural gas (optimization through simulation)
- Production of biogas using waste biomaterials (An approach towards sustainability & renewability). Approved research grant of 0.15 million for the fiscal year 2017-2018
- Synthesis of biogas from food and garden waste materials, (Sustainable & Renewable) Approved research grant of 0.15 million for the fiscal year 2016-2017
- Removing hardness from distiller wastewater of soda ash industry by utilizing carbonating tower waste gases
- Direct electrochemical oxidation of crystal violet solution using electricity produced from a solar cell (in process)
- Use of solar energy for wastewater treatment through adsorption coupled with electrochemical regeneration
- Use of solar energy for direct electrochemical oxidation of dissolved organic pollutants in aqueous solution, research grant of 0.15 million for the fiscal year 2015-2016

- Exploitation of solar energy for wastewater treatment using adsorption and electrochemical regeneration, research grant of 0.15 million for the fiscal year 2015-2016
- Electrochemical desalination for wastewater treatment, grant of 0.15 million rupees during the fiscal year 2014-2015
- Electrochemical oxidation of Congo-red dye, grant of 0.15 million rupees during the fiscal year 2014-2015
- Electrochemical oxidation of dissolved organic compounds in water against the allocation of research grant of 0.15 million rupees during the fiscal year of 2013-2014
- 7Synthesis of electrically conducting CNTs for wastewater treatment applications against allocation of research grant of 0.15 million rupees during the fiscal year of 2013-2014
- Development of electrically conducting PANI coated fibrous adsorbent for water treatment using adsorption and electrochemical regeneration against the allocation of research funding of 0.15 million rupees during the fiscal year 2012-2013
- Development of graphitic adsorbents for wastewater treatment through adsorption coupled with electrochemical regeneration against research grant of 21000 British Pounds during academic years of 2008-2011
- Design and Fabrication of three phase inverse fluidized bed reactor against the allocation of research grant of 0.1 million rupees during the fiscal year 2005-2006
- Hydrodynamic study of three phase inverse fluidized bed reactor during the fiscal year 2005-2006

POST- GRADUATE & UNDERGRADUATE TEACHING ASSIGNMENTS

- Undergraduate teaching of Transport Phenomenon, Material & Energy Balance, Chemical Engineering Thermodynamics, Plant Design, Fuel Engineering, Instrumentation & Process Control and Fundamentals of Heat Transfer
- Postgraduate teaching of Advanced Transport Phenomenon & Analytical Techniques in Chemical Engineering

RESEARCH INTEREST

Electrochemical desalination for wastewater treatment applications
 Electrochemical oxidation for wastewater treatment processes
 Adsorption phenomenon in water and gas cleaning processes
 Development of nanomaterials and their characterization

AWARDS & HONOURS

- Higher Education Commission's (HEC's) approved supervisor for Post Graduate Research Projects
- Invited reviewer for leading impact factor and ISI indexed journals
- First and corresponding author for more than 12 research articles and 5 full length conference proceeding papers
- Chaired international conference session organized in 2016 at the University of New Castle, **AUSTRALIA**
- Developed research collaboration with the Arvia Technology Ltd. for **UK-PAKISTAN** Joint research projects (Two PhD on-going projects)
- Developed research collaboration with a research group working at Chemical Engineering Department, University Teknologi Petronas, **(MALAYSIA)**
- Developed research collaboration with a research group working at School of Materials Science and Engineering, Jiangxi University of Science and Technology, Ganzhou, **(CHINA)**
- Postgraduate research scholarship (2008-2011) awarded by the University of Manchester, **UK** (availed)
- Postgraduate research funding (2008-2011) awarded by the Arvia Technology Ltd. **UK** (availed)
- Postgraduate research scholarship (2007-2010) awarded by the University of Auckland, **NEWZELAND**
- Postgraduate research scholarship (2007-2010) awarded by the University of Petronas, **MALAYSIA**

MEMBER OF LEARNED BODIES & ADMINISTRATIVE DUTIES

- Member of Pakistan Engineering Council since 2001
- Member of Academic Council, University of the Punjab, Lahore since 2019
- Member of disciplinary committee at the Institute of Chemical Engineering & Technology, Punjab University, Lhr.
- Member Semester Implementation Committee, University of the Punjab, Lhr. since 2018.
- Member board of studies at the Institute of Chemical Engineering & Technology, Punjab University, Lhr.
- Member board of faculty at the Institute of Chemical Engineering & Technology, Punjab University, Lhr.
- Controller Examinations for undergraduate and post graduate academic programs i.e. BSc Engg., MSc Engg. PhD
- Member of Examination Committee at the Institute of Chemical Engineering & Technology, Punjab University, Lhr.

- Member of quality enhancement cell (QEC) at the Institute of Chemical Engineering & Technology, Punjab Univ. Lhr.

TRAININGS / SHORT COURSES ATTENDED

- Faculty training program for core modules, professional ethics, management & grooming assessment & evaluation held at University of the Punjab, Lahore, Pakistan from 4th to 8th February 2013
- Training on advanced instrumental and spectroscopic techniques applied to electro-catalysis held at the University of Bangor, UK from 14th to 16th September 2009
- Training program on resource materials / modules for higher education teacher held at the University of Education, Lower Mall Campus during 4th to 16th April 2005
- Two weeks faculty training program held at the Institute of Administrative Sciences, Punjab University, Lahore in July 2003
- Four weeks training on ISO 9000 held at the Institute of Chemical Engineering & Technology, Punjab University, Lahore from 15th June to 14th July 2000
- One-month Industrial training at Dawood Hercules Fertilizer Pvt. Ltd.

PEER REVIEWED INTERNATIONAL / ISI INDEXED JOURNAL ARTICLES

(2021)

1. T. Ahmad, M. A. Bustam, H. Suleman, M. Irfan, J. Iqbal & **H. M. A. Asghar** (2021). Quantitative Estimation of bio-capped surface chemistry driven interparticle interactions and growth kinetics of gold nanoparticles. Journal of cluster science. Accepted for publication. <https://doi.org/10.1007/s10876-021-01999-5>
2. M. A. Khan, **H. M. A. Asghar**, H. Saulat, M. Chawla, S. Rafique, M. M. Khan, W. Y. Jie, M. Aslam & A. Mukhtar (2021). Hazardous wastewater treatment by low cost sorbent with in-situ regeneration using hybrid solar energy electrochemical system. Accepted for publication. Water Environment Research.
3. T. Ahmad, J. Iqbal, M. A. Bustam, M. Irfan & **H. M. A. Asghar** (2021). A critical review on photosynthesis of gold nanoparticles: Issues, Challenges and Future Perspectives. Journal of Cleaner Production. Accepted for publication. <https://doi.org/10.1016/j.clepro.2021.127460>

(2020)

4. **H. M. A. Asghar**, T. Ahmad, F. Raza, S. N. Hussain, H. Sattar & M. Tahir (2020). An efficient approach for the separation of acephate from aqueous solution using a novel surface modified adsorbent and its electrochemical regeneration. Journal of Separation Science & Technology. Accepted for publication.

(2019)

5. **H. M. A. Asghar**, S. N. Hussain, N. W. Brown and E. P. L. Roberts (2019). Comparative adsorption-regeneration performance for newly developed carbonaceous adsorbent. Journal of industrial & Engineering Chemistry (2019). Volume 69, pp. 90-98.
6. T. Ahmad, M. A. Bustam, M. Irfan, M. Moniruzzaman, **H. M. A. Asghar**, S. Bhattacharjee (2019). Mechanistic investigation of phyto-chemicals involved in green synthesis of gold nanoparticles using aqueous *Elaeis guineensis* leaves extract: Role of phenolic compounds and flavonoids. Journal of Biotechnology and Applied Biochemistry. Volume 66 (4), pp. 698-708.
7. T. Ahmad, M. A. Bustam, M. Irfan, J. Iqbal, N. Muhammad, M. F. R. Samsudin, M. Moniruzzaman, **H. M. A. Asghar**, M. Irfan and S. Bhattacharjee (2018). The effect of gold and iron nanoparticles on photocatalytic behavior of titanium dioxide towards 1-Butyl-3-methylimidazolium chloride ionic liquid (2019). Journal of Molecular Liquids. Volume 291, pp. 1112277.

(2018)

8. T. Ahmad, M. A. Bustam, M. Irfan, M. Moniruzzaman, **H. M. A. Asghar**, S. Bhattacharjee (2018). Quantitative growth evolution of gold nanoparticles synthesized using aqueous *Elaeisguineensis*(oil palm) leaves extract. Journal of Materials Chemistry and Physics. Vol. 220, pp. 240-248.
9. T. Ahmad, M. A. Bustam, M. Irfan, M. Moniruzzaman, **H. M. A. Asghar**, S. Bhattacharjee (2018). Green synthesis of stabilized spherical shaped gold nanoparticles using novel aqueous *Elaeisguineensis* (oil palm) leaves extract. Journal of Molecular Structure, Vol. 1159 pp 167-173
10. T. Ahmad, M. A. Bustam, M. Irfan, M. Muniruzzaman, **H. M. A. Asghar** and S. Bhattacharjee (2018). Effect of volume of gold chloroauric acid on size, shape and stability of biosynthesized AuNPs using aqueous *Elaeisguineensis*(oil palm) leaves extract. International journal of automotive and mechanical engineering, Vol. 15, issue 1 pp 5135–5145

11. T. Ahmad, S. Rehman, J. Liu, X. Zhang, M. U. Manzoor, M. H. Abbas and **H. M. A. Asghar** (2018). Characterization of epoxy-based coating reinforced with nanoparticles of silica sand. *Journal of Chinese Advanced Materials Society*. Volume 6, issue 4. pp 497-507

(2016)

12. S.N. Hussain, A.P. Trzcinski, **H. M. A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2016). Disinfection performance of adsorption using graphite adsorbent coupled with electrochemical regeneration for various micro-organisms present in water. *Journal of Industrial & Engineering Chemistry*, Vol. 44 pp 216-225.

(2015)

13. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Potential graphite materials for the synthesis of GICs. *Journal of Chemical Engineering Communications*, Vol. 202(4) pp 508-512.
14. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Mercaptan's removal from aqueous solution using modified graphite-based adsorbent through batch-wise adsorption-regeneration. *Journal of Chemical Engineering Communications*, Vol. 202(9) pp 1155-1160.
15. **H. M. A. Asghar**, T. Ahmad, S.N. Hussain & H. Sattar (2015). Electrochemical oxidation of methylene blue in aqueous solution. *International Journal of Chemical Engineering and Applications*, Vol. 6 (5) pp 352-355
16. S.N. Hussain, **H. M. A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Chlorinated breakdown products formed during oxidation of adsorbed phenol by electrochemical regeneration of a graphite intercalation compound. *Journal of Industrial & Engineering Chemistry* accepted for publication.
17. S.N. Hussain, **H. M. A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Free chlorine formation during electrochemical regeneration of a graphite intercalation compound adsorbent used for waste water treatment. *Journal of Applied Electrochemistry*, Vol. 45(6) pp 611-621.
18. S.N. Hussain, **H.M.A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Removal of tartrazine from water by adsorption with electrochemical regeneration. *Journal of Chemical Engineering Communications*, Vol. 202(10) pp 1280-1288.
19. S.N. Hussain, **H. M. A. Asghar**, H. Sattar & E.P.L. Roberts (2015). Electrochemical regeneration of GIC adsorbent in a continuous electrochemical reactor. *International Journal of Chemical Engineering and Applications*, Vol. 6 (4) pp 258-261

(2014)

20. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Improved phenol adsorption from aqueous solutions using electrically conducting adsorbents. *The Korean Journal of Chemical Engineering*, Vol. 31(5) pp 834-840
21. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Electrochemically synthesized GIC-based adsorbents for water treatment using adsorption and electrochemical regeneration. *Journal of Industrial & Engineering Chemistry*, Vol. 20(4) pp 2200-2207
22. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Environmentally friendly preparation of exfoliated graphite. *Journal of Industrial & Engineering Chemistry*, Vol. 20(4) pp 1936-1941.
23. **H. M. A. Asghar**, S.N. Hussain, N.W. Brown & E.P.L. Roberts (2014). Synthesis of electrically conducting adsorbents for waste-water treatment using adsorption and electrochemical regeneration. *Journal of Industrial & Engineering Chemistry*, Vol. 20(3) pp 781-786.
24. S.N. Hussain, N. D. Heras, **H. M. A. Asghar**, N.W. Brown & E.P.L. Roberts (2014). Electrochemical regeneration of various graphitic adsorbents in an air agitated sequential batch reactor. *Journal of Chemical Engineering & Science*, Vol. 2(2) pp 24-29.
25. S.N. Hussain, N. D. Heras, **H. M. A. Asghar**, N.W. Brown & E.P.L. Roberts (2014). Disinfection of water by adsorption combined with electrochemical treatment. *Journal of Water Research*, Vol. 54 pp 170-178.

(2013)

26. **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts & N.W. Brown (2013). Removal of humic acid from water using adsorption coupled-with electrochemical regeneration. The Korean Journal of Chemical Engineering, Vol. 30(7) pp 1415-1422.
27. **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts, A. K. Campen & N.W. Brown (2013). Pretreatment of adsorbent for wastewater treatment using adsorption coupled with electrochemical regeneration. Journal of Industrial & Engineering Chemistry, Vol. 19(5) pp 1689-1696.
28. S.N. Hussain, **H. M. A. Asghar**, A. K. Campen, N.W. Brown & E.P.L. Roberts (2013). Breakdown products formed due to oxidation of adsorbed phenol by electrochemical regeneration of a graphite adsorbent. Journal of Electrochimica Acta, Vol. 110 pp 550-559.
29. S.N. Hussain, E.P.L. Roberts, **H.M.A. Asghar**, A.K.Campen & N.W. Brown (2013). Oxidation of Phenol and the adsorption of breakdown products using a graphite adsorbent with electrochemical regeneration. Journal of Electrochimica Acta, Vol. 92 pp. 20-30.

(2012)

30. **H. M. A. Asghar**, E.P.L. Roberts, S.N. Hussain, A.K.Campen & N.W. Brown (2012). Wastewater treatment by adsorption with electrochemical regeneration using graphite-based adsorbents. Journal of Applied Electrochemistry, Vol. 42(9) pp 797-807.
31. M.G. Conti-Ransden, **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts & N.W. Brown (2012) Removal of mercaptans from a gas stream using continuous adsorption-regeneration. Water Science & Technology, Vol. 66(9) pp 1849-1855.
32. Arshid M. Ali, Ayaz Muhammad, Amir Shafeeq, **Hafiz M. A. Asghar**, Syed N. Hussain & Hamid Sattar (2012). Doped Metal Oxide (ZnO) and Photocatalysis: A Review. Journal of Pakistan Institute of Chemical Engineers, Vol. 40(1) PP 12-22.

(2011)

33. M.R. Usman, S.N. Hussain, **H. M. A. Asghar**, H. Sattar & A. Ijaz (2011). Liquid-liquid extraction of acetic acid from an aqueous solution using a laboratory scale sonicator. Journal of Quality and Technology Management, Volume 7(2) pp 115-121.

(2009)

34. M.R. Usman, H.Sattar, S. N. Hussain, **H. M. A. Asghar** & W. Afzal (2009). Drop size in liquid pulsed sieve-plate extraction column. Brazilian Journal of Chemical Engineering, Vol. 26(4) pp 677-687.

(2008)

35. S.S. Daood, A.Ijaz, **H. M. A. Asghar**, M. Ali & M.A. Butt (2008). Stability comparison of concentric tube bulb manometer with conventional U-shaped manometer. Measurement, Vol. 41(8) pp 934-939.

(2006)

36. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, A. Chughtai & M.A. Butt (2006). Hydrodynamic study of three phase inverse fluidized bed. Journal of Faculty of Engineering and Technology, University of the Punjab, Lahore, Pakistan.
37. H. Sattar, S.N. Hussain, **H. M. A. Asghar**, A. Chughtai & M.A. Butt (2006). Production and characterization of activated carbon from indigenous coal (Lakhra Coal). Journal of Faculty of Engineering and Technology, University of the Punjab, Lahore, Pakistan.

INTERNATIONAL CONFERENCE PROCEEDING PAPERS

(2015)

1. **H. M. A. Asghar**, T. Ahmad, S.N. Hussain & H. Sattar (2015). Electrochemical oxidation of methylene blue in aqueous solution. International Journal of Chemical Engineering and Applications, Vol. 6 (5) pp 352-355
2. S.N. Hussain, **H. M. A. Asghar**, H. Sattar & E.P.L. Roberts (2015). Electrochemical regeneration of GIC adsorbent in a continuous electrochemical reactor. International Journal of Chemical Engineering and Applications, Vol. 6 (4) pp 258-261

(2013)

3. **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts, N.W. Brown & H. Sattar (2013). GIC-based adsorbents for waste-water treatment through adsorption & electrochemical regeneration. International Journal of Environmental, Earth Science and Engineering, Vol. 7 (9) pp 600-602
4. S.N. Hussain, **H. M. A. Asghar**, E.P.L. Roberts, N.W. Brown & H. Sattar (2013). Formation of by-products during regeneration of various graphitic adsorbents in a batch electrochemical reactor. International Journal of Environmental, Earth Science and Engineering, Vol. 7 (9) pp 338-341

(2012)

5. **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts, N.W. Brown & H. Sattar (2012). Development of composite adsorbents for wastewater treatment using adsorption and electrochemical regeneration. World Academy of Science Engineering & Technology, Vol. 6 pp 1134-1137
6. S.N. Hussain, **H. M. A. Asghar**, E.P.L. Roberts, & N.W. Brown (2012). Disinfection of water by adsorption with electrochemical regeneration. World Academy of Science Engineering & Technology, Vol. 6 pp 1775-1777

(2010)

7. **H. M. A. Asghar**, S. N. Hussain, E. P. L. Roberts, A. K. Campen & N. W. Brown (2010). Improved dye adsorption for water treatment using the Arvia Process. First International Water Quality Conference held at Leeds, UK, during 23--24 June.

ORAL PRESENTATIONS / INTERNATIONAL CONFERENCE PROCEEDINGS

(2017)

1. **H. M. A. Asghar** & S. Khan. Thermal analysis of Pakistani coal and biomass. International research conference on sustainable energy, engineering, materials and environment, 26 – 28th July, 2017, Northumbria University, New Castle upon Tyne, [UNITED KINGDOM](#)
2. T. Ahmad, M. A. Bustam, M. Irfan, M. Moniruzzaman, **H. M. A. Asghar** & S. Bhattacharjee. Study on effect of volume of Gold Chloroauric acid on size, shape and stability of biosynthesized gold nanoparticles using aqueous *Elaeis guineensis* (oil palm) leaves extract. International stem engineering conference 2017. Organized by the University of Malaysia Sarawak (UNIMAS) 13 – 15 September 2017. [MALAYSIA](#)

(2016)

3. **H. M. A. Asghar**, H. A. Ahmad, S. N. Hussain and H. Sattar (2016). Electrochemical potential for destruction of Congo-red Dye in aqueous solution. 9th International conference on environmental catalysis, 10th to 13th July, New Castle, [AUSTRALIA](#)

(2015)

4. **H. M. A. Asghar**, M. Mirza, K. Mehmood, H. Sattar, and S.N. Hussain (2015). Beneficiation of Chamalang Coal by froth floatation. International conference on advances in environmental research (ACAER, 2015) Jeju Island, Republic of [KOREA](#)
5. A.H. Khan & **H. M. A. Asghar** (2015). Removal of 1,2-Dichloroethane from water using advanced oxidation process. Digital i-poster presentation at MEPEC held at Bahrain International Exhibition and Convention center, Kingdom of Bahrain from 15th to 17th September. [BAHRAIN](#)

(2014)

6. **H. M. A. Asghar**, S.N. Hussain & H. Sattar (2014). Electrochemical oxidation of methylene blue in aqueous solution. International conference on chemical science & engineering (ICCSE) held on December 27-28, 2014 at Phuket, [THAILAND](#)

(2013)

7. E. P. L. Roberts, S. N. Hussain, NuriaDeLas, **H. M. A. Asghar** & N. W. Brown (2013). Disinfection of water by adsorption combined with electrochemical treatment. AIChE annual meeting, November 3-8, 2013, San Francisco [CANADA](#).
8. **H. M. A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2013). GIC-based adsorbents for waste-water treatment through adsorption & electrochemical regeneration. International Conference on Environmental Management and Engineering, September 12-13, 2013, Singapore. Organized by World Academy of Science, Engineering & Technology (WASET) [SINGAPORE](#)

(2012)

9. **H. M. A. Asghar**, S.N. Hussain, E.P.L. Roberts, & N.W. Brown (2012). Development of Composite Adsorbent for Wastewater Treatment using Adsorption and Electrochemical Regeneration. International Conference on Environmental Sciences and Engineering held during 24-25 December, Phuket, Thailand. It was organised by World Academy of Science, Engineering & Technology (WASET). [THAILAND](#)
10. **H. M. A. Asghar**, E.P.L. Roberts, & N.W. Brown (2012). Wastewater treatment using adsorption and electrochemical regeneration. First International Conference on Engineering Sciences, held during 27-28 February, University of the Punjab, Lahore, [PAKISTAN](#).

(2011)

11. M.G. Conti--Ramsdon, **H. M. A. Asghar**, E.P.L. Roberts, S.N. Hussain & N.W. Brown (2011). The removal of mercaptans from a gas stream using continuous adsorption--regeneration. Fourth IWA conference on ODOURS and VOCS, held at Vitoria, Brazil, during 17--21 October. [BRAZIL](#)
12. E.P.L. Roberts, S.N. Hussain, **H. M. A. Asghar**, F.M. Mohammed, M. Conti-Ramsdon, A.K. Campen and N.W. Brown (2011). Water treatment by adsorption and electrochemical regeneration. 9th ESEE European Symposium on Electrochemical Engineering, 19--23 June, Chania, [GREECE](#)

(2010)

13. **H. M. A. Asghar**, S. N. Hussain, E. P. L. Roberts, A. K. Campen & N. W. Brown (2010). Improved dye adsorption for water treatment using the Arvia Process. First International Water Quality Conference held at Leeds, UK, during 23--24 June. [UK](#)
14. E. P. L. Roberts, S. N. Hussain, **H. M. A. Asghar**, F. M. Mohammed, M. C. Ramsden, N. W. Brown & A. K. Campen (2010). Water treatment by adsorption with electrochemical regeneration. 10th AIChE annual meeting held on November 7-12, at Salt Lake City, [USA](#)
15. S. N. Hussain, E.P.L. Roberts, **H.M.A. Asghar**, A.K. Campen & N.W. Brown (2010). Fate of adsorbed species during electrochemical regeneration of a graphite adsorbent. International conference on Electrochemistry and Sustainability, held at the University of Wolverhampton, Telford campus, UK, during 14--15 September. [UK](#)
16. **H.M.A. Asghar**, E.P.L. Roberts, A.K. Campen & N.W. Brown (2010). Development of novel carbon-based adsorbents for water treatment using the Arvia Process (part III). International postgraduate conference held at the University of Manchester, UK, on 9 of June. [UK](#)

(2009)

17. **H.M.A. Asghar**, E.P.L. Roberts, A.K. Campen & N. W. Brown (2009). Development of novel carbon-based adsorbents for water treatment using the Arvia Process (part II). International conference on Electrochem 09 held at the University of Manchester, UK, during 16--17 September. [UK](#)
18. **H.M.A. Asghar**, E.P.L. Roberts, A.K. Campen & N. W. Brown (2009). Development of novel carbon-based adsorbents for water treatment using the Arvia Process (part I). International postgraduate conference held at the University of Manchester, UK, on 16 of June. [UK](#)

COUNTRIES VISITED

- > UK
- > THAILAND
- > SINGAPORE
- > MALAYSIA
- > SOUTH KOREA
- > UAE
- > AUSTRALIA
- > TURKEY

REFERENCES