

PUBLICATIONS (NATIONAL AND INTERNATIONAL)

A. INTERNATIONAL JOURNAL

- 1) “Pressure Losses in Bends during Two-Phase Gas-Newtonian Liquid Flow” by **S. N. MANDAL** AND **S. K. DAS**: Published in the *Ind. Eng. Chem. Res. (American Chemical Society)*, Vol. 40, No. 10, pp. 2340-2351 (2001)
- 2) “Gas-Liquid Flow through Helical Coils in Horizontal Orientation” by **S. N. Mandal** AND **S. K. Das**: Published in the *Can. J. Chem. Engg.*, Vol. 80, pp. 979 – 983, (2002).
- 3) “Gas-Liquid Flow through Helical Coils in Vertical Orientation” by **S. N. Mandal** AND **S. K. Das**: Published in the *Ind. Eng. Chem. Res. (American Chemical Society)*, Vol. 42, No. 14, pp. 3487-3494 (2003)
- 4) “Gas-Liquid flow through Coils” by **S. N. MANDAL** AND **S. K. DAS**: Published in the *Korean Journal of Chemical Engineering*, Vol. 20 (4), pp. 624-630 (2003).
- 5) “Adsorption of Zn (II) from aqueous solution by using different adsorbents” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the *Chemical Engineering Journal (Elsevier B. V.)*, Vol. 123, pp. 43 – 51 (2006).
- 6) “Non-Newtonian Liquid Flow Through Small Diameter Piping Components” by **S. N. Mandal** and **S. K. Das**: Published in the *Trends in Applied Sciences, Research Academic Journals Inc., USA*, 1(5), pp. 496 – 503 (2006).
- 7) “Bioaccumulation of Chromium and Cadmium in Commercially Edible Fishes of Gangetic West Bengal” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the *Trends in Applied Sciences Research, Academic Journals Inc., USA*, 1(5), pp. 496 – 503 (2006).
- 8) “Bioaccumulation of Zinc, Copper and Lead in Upper Stretch of Gangetic West Bengal” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the *Trends in Applied Sciences Research, Academic Journals Inc., USA*, 2(6), pp. 492 – 499 (2007).
- 9) “Bio-Augmentation Technology in Textile Mill Wastewater Management: A Case Study” **A. K. Bhattacharya**, **S. N. Mandal** and **B. Bhattacharya**: Published in the *Research Journal of Environmental Sciences, Academic Journals Inc., USA*, 2(1), pp. 32 – 39 (2008).
- 10) “Heavy Metals Accumulation in Water, Sediment and Tissues of Different Edible Fishes in Upper Stretch of Gangetic West Bengal” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the *Trends in Applied Sciences Research, Academic Journals Inc., USA*, 3(1), pp. 61 – 68 (2008).
- 11) “Adsorption, kinetics and equilibrium studies on removal of Cr(VI) from aqueous solutions using different low-cost adsorbents” by **A. K. Bhattacharya**, **T. K. Naiya**, **S.**

N. Mandal and S. K. Das: Published in the *Chemical Engineering Journal (Elsevier B. V.)*, Vol. 137, pp.529 – 541 (2008).

- 12) “The sorption of Pb(II) ions on rice husk ash” by T K Naiya, A K Bhattacharya, **S. N. Mandal**, S K Das : Published in the *Journal of Hazardous Materials; an Elsevier Publications* **163**, pp. 1254 - 1264 (2009).
- 13) Adsorption of Zn(II), Cd(II) and Pb(II) onto Fly Ash” Tarun Kumar Naiya, Ashim Kumar Bhattacharya, Sailendra Nath Mandal and Sudip Kumar Das: Published in the *Progress Environ. Sci. Technol.*, 2 Part B 2041-2051 (2009).

B. NATIONAL JOURNAL

- 1) “Gas – Newtonian Liquid Flow Through Horizontal Tube” by **S. N. MANDAL** AND S. K. DAS: Published in the *Indian Chemical Engineers J.* Section A, Vol. 40, No.3 pp. 241-248 (1998)
- 2) “Pressure Losses in Two Phase Gas- Liquid Flow in U- Bends”, by **S. N. MANDAL** AND S. K. DAS: Published in the *Indian Chemical Engineers J.* Section A, Vol. 42, No. 1, pp. 22 - 24 (2000)
- 3) “Studies on Gas-Liquid Flow through Curved Geometries” by **S. N. Mandal**: Published in the *Journal of Technical and Vocational Education*, Issue 19, pp. 81 - 84, (2002)
- 4) “Chromium Removal from Wastewater by Adsorption Techniques” by Sukanta Kumar Naskar, **Sailendra Nath Mandal** and Sudip Kumar Das: Published in the *Journal of Indian Leather Technologists Association*, Vol. LIV No. 11, pp. 833-838 (2004).
- 5) “Removal of Zinc from Wastewater” by A. K. Bhattacharya, **S. N. Mandal**, S. K. Das: Published in the *Research Journal of Chemistry & Environment*, Vol. 8(4), pp. 77 – 79, (2004).
- 6) “Comparative Studies on Removal of Dyes from Effluent using Ferrous Sulphate, Alum and A Synthetic Coagulant” by Ashim Kumar Bhattacharya and **Sailendra Nath Mandal** Published in the *Environmental Pollution Control Journal*, Vol. 8 No. 1, pp. 6 - 11 (2004).
- 7) “A Study on Effectiveness of Training for Pharmacy Students” by **S. N. Mandal** and R. Srinivasan: Published in the *Journal of Technical and Vocational Education*, Volume 21, No. 2 pp. 41 - 43, (2004).
- 8) “Removal of Organic and Inorganic Load from Wastewater by Coagulation & Flocculation Techniques” by Ashim Kumar Bhattacharya, **Sailendra Nath Mandal** and Sudip Kumar Das: Published in the *Journal of Indian Leather Technologists Association*, Vol. LV No. 01, pp. 65-69 (2005).

- 9) “Bio-Augmentation Technology For Wastewater Management” by Ashim Kumar Bhattacharya and **Sailendra Nath Mandal**: Published in the *Environmental Pollution Control Journal*, Vol. 8, No.3, pp. 5 – 11, (2005).
- 10) “Clarification of Raw Water Using Synthetic Polymeric Coagulant” by A. K. Bhattacharya, U. C. Kumar, S. K. Das and **S. N. Mandal**: Published in the *Journal of Institution of Public Health Engineers*, Vol. 2, pp. 33 – 35, (2005).
- 11) “Gender, in Relation to Some Selected Psycho-educational Attributes among the Technical Teachers” by Rajarshi Roy, **Sailendra Nath Mandal**, Nirmal Kumar Mandal, Subrata Chattopadhyaya and Dipankar Bose: Published in the *Journal of Technical and Vocational Education*, Vol. 22, No.1, pp. 7 – 13, (2005).
- 12) “Polymers, Boon or Bane” by **Sailendra Nath Mandal**: Published in the *Indian Science Cruiser*, Vol. 19, pp. 33 – 38 (2005).
- 13) “Textual Analysis of GATS: Perspectives of Social Responsibility and Consumer’s Commodity” by Rajarshi Roy, **Sailendra Nath Mandal**, Subrata Chattopadhyaya: Published in the *Journal of All India Association for Educational Research*, Vol. 17, No.3 & 4, pp. 34 – 39, (2005)
- 14) “Improved Decolorization of Reactive Dye Effluents using Coagulant Aid and Polyelectrolyte” by A. K. Bhattacharya and **S. N. Mandal**: Published in the *Research Journal of Chemistry & Environment*, Vol. 10(1), pp. 13 – 16, (2006).
- 15) “Separation of Oil and Grease from Wastewater” by Ashim Kumar Bhattacharya, Sudip Kumar Das and **Sailendra Nath Mandal**: Published in the *Journal of Indian Leather Technologists Association*, Vol. LV No. 08, pp. 599-604, (2006)
- 16) “Abatement of TSS Level from MBF Clarifier Wastewater using different Flocculants – A Case Study” by Ashim Kumar Bhattacharya and **Sailendra Nath Mandal**: published in the *Research Journal of Chemistry & Environment*, Vol. 10(4), pp. 86 – 89, (2006).
- 17) “Removal of Cr (VI) from aqueous solution by adsorption and low cost Non-conventional adsorbents” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Published in the *Indian Journal of Chemical Tech.*, Vol. 13, pp. 576 – 583, (2006).
- 18) “Environmental Education” by Rajarshi Roy and **Sailendra Nath Mandal**: Published in the *Indian Science Cruiser*, Vol. 20, pp. 26 - 34 (2006)
- 19) “Attitude of the Online Engineers Towards Distance Mode of Instruction and Some Related Issues ” by Rajarshi Roy, **Sailendra Nath Mandal**, Subrata Chattopadhyay and Nirmal Kumar Mandal: Published in the *Journal of Technical and Vocational Education*, Vol. 23, No.1, pp. 1 – 9, (2006).
- 20) “Attitude of the Working Engineers Towards Distance Mode of Instruction and Some Related Issues ” by Rajarshi Roy, **Sailendra Nath Mandal**, Subrata Chattopadhyay and Nirmal Kumar Mandal: Published in the *Indian Journal of Open Learning*, Vol. 15, No.3, pp. 225 – 235, (2006).

- 21) "Attitude of the Undergraduate Pharmacy Students Towards Environmental Awareness" by Rajarshi Roy, **Sailendra Nath Mandal**, Subrata Chattopadhyaya and Nirmal Kumar Mandal: Published in the *Journal of All India Association for Educational Research*, Vol. 18, No.3 & 4, pp. 87 –93, (2006).
- 22) "Removal of Cd (II) from Wastewaters using Low Cost Abundantly Available Natural Adsorbents" by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Published in the *Journal of Indian Leather Technologists Association*, Vol. LVII No. 09, pp. 757-763, (2007).

C. INTERNATIONAL PROCEEDINGS

- 1) "Air-water flow through Helical Coils" by **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding *8th Asian Pacific Confederation of Chemical Engineering Congress, APCCHE'99*, Vol. 2, pp. 965-968, Seoul, **South Korea**, Aug. 16-19, (1999)
- 2) "Gas-Liquid flow through Coils" by **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding *9th APCCHE Congress and CHEMECA 2002*, pp 198, Paper # 841, Christchurch, **New Zealand**, 29 September – 3 October, 2002 (Also available in the http://www.cape.canterbury.ac.nz/Apcche_Proceedings/APCCHE/Data/841rev.pdf). (2002).
- 3) "Non-Newtonian Liquid Flow through Small Diameter Piping Components" by **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding *9th APCCHE Congress and CHEMECA 2002*, pp 198, Paper # 842, Christchurch, **New Zealand**, 29 September – 3 October, 2002 (Also available in the http://www.cape.canterbury.ac.nz/Apcche_Proceedings/APCCHE/Data/842rev.pdf). (2002).
- 4) "Studies on Seasonal Distribution of Heavy Metals in Water and Sediment phase with its Bio-accumulation in Upper Stretch of Gangetic West Bengal" by A. K. Bhattacharya, **S. N. MANDAL**, A. MITRA AND **S. K. DAS**: Published in the Proceeding *International Conference on Chemical Engineering-2003* from 29 – 30 December, 2003, Dhaka, pp. 176 – 180, **Bangladesh** (2003).
- 5) "Improved Decolorization of Reactive Dye Effluents Using Coagulant Aid and Polyelectrolyte" by A. K. Bhattacharya, **S. N. Mandal** and **S. K. Das**: Published in the Proceeding *International Conference on Chemical Engineering-2003* from 29 – 30 December, 2003, Dhaka, pp. 128 - 131, **Bangladesh** (2003).
- 6) "Bioaccumulation of Chromium and Cadmium in Commercially Edible Fishes of Gangetic West Bengal" by A. K. Bhattacharya, **S. N. Mandal** and **S. K. Das**: Published in the Proceeding *International Conference on Chemical Engineering-2003* from 29 – 30 December, 2003, Dhaka, pp. 132 – 136, **Bangladesh** (2003)
- 7) "Gas-Liquid Flow through Curved Geometries" by **S. N. Mandal** and **S. K. Das**: Published in the Proceeding *International Conference on Chemical Engineering-2003* from 29 – 30 December, 2003, Dhaka, pp. 93 – 97, **Bangladesh** (2003)

- 8) "Removal of Zinc (II) from Wastewater using Natural and Synthetic Absorbents" by P. Chowdhury, A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Published in the Proceeding **Indo-US Session, Indian Chemical Engineering Congress** from 28 – 30th December 2004, IChE, MRC, India in association with **AICHE, USA**.
- 9) "Removal Studies of Cr (VI) Using Low Cost Non Conventional Adsorbents" by A. K. Bhattacharya, **S. N. Mandal**, T. K. Naiya, Suparna Mukherjee, and S. K. Das: Published in the Proceeding **International Conference on Environmental Management (ICEM'05)**, Pollution and Control Technologies from 28 – 30 October 2005, pp. 284 – 292, JNTU, Hyderabad, BS Publication, **India**.
- 10) "Adsorption of Cd(II) and Pd (II) onto clarified Sludge – Kinetics, Thermodynamics, Desorption and Application Study" by T. K. Naiya, **S. N. Mandal**, B. Singha, A. K. Bhattacharya and S. K. Das: Published in the Proceeding **GMSARN International Conference on Sustainable Development: Issues and Prospects for GMS**, from 12 – 14 November 2008, pp. 1 – 9, Kunming, **China**.
- 11) "Adsorptive Removal of Cr (VI) from Aqueous Solution using Abundantly Available Rice Waste – Kinetics, Equilibrium and Thermodynamic Studies" by B. Singha,, T. K. Naiya, A. K. Bhattacharya, **S. N. Mandal**, and S. K. Das: Published in the Proceeding **GMSARN International Conference on Sustainable Development: Issues and Prospects for GMS**, from 12 – 14 November 2008, pp. 1 – 5, Kunming, **China**.
- 12) "Study on adsorption of natural and synthetic adsorbent for adsorption of phenol-kinetic, equilibrium and thermodynamic study" by S. Ghosh, T. K. Naiya, B. Singha, A. K. Bhattacharya, S. N. Mandal and S. K. Das Published in the Proceeding **International Congress of Environmental Research (ICER-08)**, from 18 –20 December, 2008, Goa, **India**.
- 13) "Use of rice husk ash for the removal of Cd(II) and Pb(II) from aqueous solution" by T. K. Naiya, S. N. Mandal, A. K. Bhattacharya, B. Singha and S. K. Das Published in the Proceeding International Congress of Environmental Research (ICER-08), from 18 –20 December, 2008, Goa, India.
- 14) "Separation of Cd(II) and Pb(II) from Wastewater by Column adsorption Techniques" by A. K. Bhattacharya , T. K. Naiya, S. N. Mandal, and S. K. Das: Published in the Proceeding of the International Conference on Separation Processes, ICSP-09' to held at Department of Chemical Engineering & Technology, Institute of Technology, BHU, Varanasi from 20 – 22 October 2009, pp. 88-96, India.

D. NATIONAL PROCEEDINGS

- 1) "Gas – Liquid Flow Through Tube" by **S. N. MANDAL AND S. K. DAS**: Published in the Proceeding **IICHE Golden Jubilee Congress, Engineering the Future for Human Well-being**, Vol. 1, pp. 442 - 450, New-Delhi, Dec 14 - 18 (1997)

- 2) “Two Phase Flow Through Helical Coils”, by **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding ***Petroleum Refining & Petrochemical Based Industries in Eastern India***, Allied Publisher Ltd., pp. 132-138 (2000)
- 3) “Removal of Zinc from Wastewater” by **A. K. BHATTACHARYA**, **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding ***Indian Chemical Engineering Congress – 2002*** held in December 19 – 22, 2002, Hyderabad, India (2002).
- 4) “An Effective Effluent Treatment Procedure of a Paint Manufacturing Unit” by **A. K. BHATTACHARYA**, **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding ***Indian Chemical Engineering Congress – 2002*** held in December 19 – 22, 2002, Hyderabad, India (2002).
- 5) “Separation of Oil/Grease from Wastewater” by **A. K. BHATTACHARYA**, **S. N. MANDAL** AND **S. K. DAS**: Published in the Proceeding ***Indian Chemical Engineering Congress – 2002*** held in December 19 – 22, 2002, Hyderabad, India (2002).
- 6) “Comparative studies of removal of Dyes from Effluents using Fessous Sulphate, Alum and a Synthetic Coagulant” by **ASHIM KUMAR BHATTACHARYA**, **SAILENDRA NATH MANDAL** AND **SUDIP KUMAR DAS**: Published in the Proceeding ***All India Seminar (2002)***.
- 7) “Chromium Removal from Wastewater by Adsorption Techniques” by **SUKANTA KUMAR NASKAR**, **SAILENDRA NATH MANDAL** AND **SUDIP KUMAR DAS**: Published in the Proceeding ***National Seminar on Leather Industry in Today’s Perspective – 2003*** held in November 14 – 15, 2003, Kolkata, pp. 81 – 85, India (2003).
- 8) “Removal of Organic and Inorganic Load from Wastewater By Coagulation and Flocculation Technique” by **ASHIM KUMAR BHATTACHARYA**, **SAILENDRA NATH MANDAL** AND **SUDIP KUMAR DAS**: Published in the Proceeding ***National Seminar on Leather Industry in Today’s Perspective – 2003*** held in November 14 – 15, 2003, Kolkata, pp. 106 – 108, India (2003).
- 9) “Application of Synthetic Polymeric Coagulant in Water Clarification” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the Proceeding ***Emerging Technology of Sustainable Environment in Chemical and Allied Industries (ETSE-2004)*** from 02 – 03 October 2004, pp. 32- 37, NIT, Rourkela, Orissa, India.
- 10) “Removal of Zinc (II) using Natural and Synthetic Absorbents” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the ***Proceeding Emerging Technology of Sustainable Environment in Chemical and Allied Industries (ETSE-2004)*** from 02 – 03 October 2004, pp. 214-218, NIT, Rourkela, Orissa, India.
- 11) “Reduction of TSS Level from MBF Clarifier Wastewater using different Flocculants – A Case Study” by **A. K. Bhattacharya**, **S. N. Mandal** and **S. K. Das**: Published in the Proceeding ***Waste Management in Chemical and allied Industries: A Vision 2020 (WMCI – 2005)*** from 01 – 02 October 2005, pp. 110-114, NIT, Rourkela, Orissa, India.

- 12) “Removal of Cd (II) from Wastewater using Low Cost Natural Adsorbents” by A. K. Bhattacharya, T. K. Naiya, **S. N. Mandal** and S. K. Das: Published in the Proceeding *Waste Management in Chemical and allied Industries: A Vision 2020 (WMCI – 2005)* from 01 – 02 October 2005, pp. 104 – 109, NIT, Rourkela, Orissa, India.
- 13) “Bench Scale Evaluation on Percent Reduction of COD and BOD from a Molasses Based Effluent- a case study” A. K. Bhattacharya, S. N. Mandal and S. K. Das, Indian Chemical Engineering Congress, CHEMCON 2005, Dec 14-17, 2005, New Delhi, India
- 14) “Low Cost Natural Adsorbents for Adsorption of Cd (II) from Wastewater” by A. K. Bhattacharya, U. C. Kumar, R. Roy, S. Chattopadhyay, N. K. Mandal and **S. N. Mandal**: Published in the Proceeding *National Seminar Water & Waste Management and HRD Requirement in Water & Sanitation Sector with respect to Millennium Goals* from 20 – 21 January 2006, pp. 26 – 29, IPHE, Kolkata, India.
- 15) “Adsorption of Heavy metals onto Fly Ash” by, Tarun Kumar Naiya, Ashim Kumar Bhattacharya, Sailendra Nath Mandal, and Sudip Kumar Das: Published in the Proceeding *National Conference on Frontiers in Chemical Engineering (NCFCE 2007)*, from 12 – 14 December 2007, IITG, Guwahati, India.
- 16) “Studies on alternatives to CTC (Carbon-Tetra-Chloride) in Power Sector Industries” by S. N. Mandal: Published in the Proceedings National CTC Phase Out Plan Emerging Scenarios In Power Sector Industries, 5th December 2008, New Delhi, India
- 17) “Stabilization of Arsenical Sludge” by S. Saha and S. N. Mandal: Published in the Proceedings (CD) of the “Recent Trends in Engineering & Education” (RTEE), NITTTR, Kolkata, 28 – 29 January 2010, India
- 18) “Impact of Seepage of Domestic Effluent on Groundwater Quality in Siliguri, West Bengal” by J. Bhattacharya, S. N. Mandal and S. K. Sharma: Published in the Proceedings (CD) of the “Recent Trends in Engineering & Education” (RTEE), NITTTR, Kolkata, 28 – 29 January 2010, India
- 19) “Evaluation of Chemical Coagulation Process using Traditional Hydrolyzing Coagulants in River water Clarification” by S. Mukherjee, C. Dutta, A. K. Bhattacharya and S. N. Mandal: Published in the Proceedings (CD) of the “Recent Trends in Engineering & Education” (RTEE), NITTTR, Kolkata, 28 – 29 January 2010, India

RESEARCH PAPER PRESENTATION (National & International)

- 1) “Two-phase Flow through Helical Coils” by **S. N. MANDAL** AND **S. K. DAS**: Presented in 49th Annual session of the **IChE**, Ankleshwar, India, Dec (1996).
- 2) “Gas-liquid Flow through Bends” by **S. N. MANDAL** AND **S. K. DAS**: Presented in 50th Annual, session of the **IChE**, New Delhi, India, Dec. (1997).
- 3) “Pressure Losses in Air-Water flow through Helical Coils” by **S. N. MANDAL** AND **S. K. DAS**: Presented in 51st Annual session of the **IChE**, Waltair, India, Dec. (1998).
- 4) “Air-water flow through Helical Coils” by **S. N. MANDAL** AND **S. K. DAS**: Presented in 8th **Asian Pacific Confederation of Chemical Engineering, APCCHE’99**, Seoul, Korea, Aug. 16-19, (1999).
- 5) “Comparative Studies of Removal of Dyes from Effluents using Ferrous Sulphate, Alum and A Synthetic Coagulant” by Ashim Kumar Bhattacharya, **Sailendra Nath Mandal** and Sudip Kumar Das: Presented in the **All India Seminar on Pollution Management in Chemical, Ceramic, Metallurgical and Mining Industries: Emerging Trends and Challenges** held in November 15-16, 2002, at National Institute of Technology, Rourkella, India., (2002).
- 6) “Removal of Zinc from Wastewater” by A. K. BHATTACHARYA, **S. N. MANDAL** AND **S. K. DAS**: Presented in the **Indian Chemical Engineering Congress – 2002** held in December 19 – 22, 2002, Hyderabad, India. (2002).
- 7) “An Effective Effluent Treatment Procedure of a Paint Manufacturing Unit” by A. K. BHATTACHARYA, **S. N. MANDAL** AND **S. K. DAS**: Presented in the **Indian Chemical Engineering Congress – 2002** held in December 19 – 22, 2002, Hyderabad, India. (2002).
- 8) “Separation of Oil/Grease from Wastewater” by A. K. BHATTACHARYA, **S. N. MANDAL** AND **S. K. DAS**: Presented in the **Indian Chemical Engineering Congress – 2002** held in December 19 – 22, 2002, Hyderabad, India. (2002).
- 9) “Chromium Removal from Wastewater by Adsorption Techniques” by **SUKANTA KUMAR NASKAR**, **SAILENDRA NATH MANDAL** AND **SUDIP KUMAR DAS**: Presented in the **National Seminar on Leather Industry in Today’s Perspective – 2003** held in November 14 – 15, 2003, Kolkata, India (2003).
- 10) “Removal of Organic and Inorganic Load from Wastewater By Coagulation and Flocculation Technique” by **ASHIM KUMAR BHATTACHARYA**, **SAILENDRA NATH MANDAL** AND **SUDIP KUMAR DAS**: Presented in the **National Seminar on Leather Industry in Today’s Perspective – 2003** held in November 14 – 15, 2003, Kolkata, India (2003).

- 11) “Studies on Seasonal Distribution of Heavy Metals in Water and Sediment phase with its Bio-accumulation in Upper Stretch of Gangetic West Bengal” by A. K. Bhattacharya, **S. N. MANDAL**, A. MITRA AND S. K. DAS: Presented in the ***International Conference on Chemical Engineering-2003*** from 29 – 30 December, 2003, Dhaka, **Bangladesh** (2003).
- 12) “Improved Decolorization of Reactive Dye Effluents Using Coagulant Aid and Polyelectrolyte” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: : Presented in **the *International Conference on Chemical Engineering-2003*** from 29 – 30 December, 2003, Dhaka, **Bangladesh**. (2003)
- 13) “Bioaccumulation of Chromium and Cadmium in Commercially Edible Fishes of Gangetic West Bengal” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Presented in the ***International Conference on Chemical Engineering-2003*** from 29 – 30 December, 2003, Dhaka, **Bangladesh**. (2003)
- 14) “Gas-Liquid Flow through Curved Geometries” by **S. N. Mandal** and S. K. Das: Presented in the ***International Conference on Chemical Engineering-2003*** from 29 – 30 December 2003, Dhaka, **Bangladesh**. (2003).
- 15) “Application of Synthetic Polymeric Coagulant in Water Clarification” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Presented in the ***National Seminar on the Emerging Technology of Sustainable Environment in Chemical and Allied Industries*** from 02 – 03 October 2004, NIT, Rourkella, India.
- 16) “Removal of Zinc (II) using Natural and Synthetic Absorbents” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Presented in the ***National Seminar on the Emerging Technology of Sustainable Environment in Chemical and Allied Industries*** from 02 – 03 October 2004, NIT, Rourkella, India.
- 17) “Removal of Zinc (II) from Wastewater using Natural and Synthetic Absorbents” by P. Chowdhury, A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Presented in the ***Indo-US Session, Indian Chemical Engineering Congress*** from 28 – 30th December 2004, IChE, MRC, India in association with **AIChE, USA**.
- 18) “Reduction of TSS Level from MBF Clarifier Wastewater using different Flocculants – A Case Study” by A. K. Bhattacharya, **S. N. Mandal** and S. K. Das: Presented in the ***National Seminar on Waste Management in Chemical and allied Industries: A Vision 2020 (WMCI – 2005)*** from 01 – 02 October 2005, pp. 110-114, NIT, Rourkela, Orissa, India.
- 19) “Removal of Cd (II) from Wastewater using Low Cost Natural Adsorbents” by A. K. Bhattacharya, T. K. Naiya, **S. N. Mandal** and S. K. Das: Presented in the ***National Seminar on Waste Management in Chemical and allied Industries: A Vision 2020 (WMCI – 2005)*** from 01 – 02 October 2005, pp. 104 – 109, NIT, Rourkela, Orissa, India.
- 20) “Removal Studies of Cr (VI) Using Low Cost Non Conventional Adsorbents” by A. K. Bhattacharya, **S. N. Mandal**, T. K. Naiya, Suparna Mukherjee, and S. K. Das: Presented in the ***International Conference on Environmental Management***

(ICEM'05), Pollution and Control Technologies from 28 – 30 October 2005, pp. 284 – 292, JNTU, Hyderabad, India.

- 21) “Bench Scale Evaluation on Percent Reduction of COD and BOD from a Molasses Based Effluent- a case study” A. K. Bhattacharya, S. N. Mandal and S. K. Das, Presented in the Indian Chemical Engineering Congress from 14 – 17th December 2005, CHEMCON 2005, New Delhi, India
- 22) “Low Cost Natural Adsorbents for Adsorption of Cd (II) from Wastewater” by A. K. Bhattacharya, U. C. Kumar, R. Roy, S. Chattapadhyay, N. K. Mandal and **S. N. Mandal**: Presented in the **National Seminar on Water & Waste Management and HRD Requirement in Water & Sanitation Sector with respect to Millennium Goals** from 20 – 21 January 2006, IPHE, Kolkata, India.
- 23) “Adsorption of Heavy metals onto Fly Ash” by, Tarun Kumar Naiya, Ashim Kumar Bhattacharya, **Sailendra Nath Mondal**, and Sudip Kumar Das: Presented in the **National Conference on Frontiers in Chemical Engineering (NCFCE 2007)**, from 12 – 14 December 2007, IITG, Guwahati, India.
- 24) “Adsorption of Cd(II) and Pd (II) onto clarified Sludge – Kinetics, Thermodynamics, Desorption and Application Study” by T. K. Naiya, **S. N. Mandal**, B. Singha, A. K. Bhattacharya and S. K. Das: Presented in the **GMSARN International Conference on Sustainable Development: Issues and Prospects for GMS**, from 12 – 14 November 2008, pp. 1 – 9, Kunming, **China**.
- 25) “Adsorptive Removal of Cr (VI) from Aqueous Solution using Abundantly Available Rice Waste – Kinetics, Equilibrium and Thermodynamic Studies” by B. Singha,, T. K. Naiya, A. K. Bhattacharya, **S. N. Mandal**, and S. K. Das: Presented in the **GMSARN International Conference on Sustainable Development: Issues and Prospects for GMS**, from 12 – 14 November 2008, pp. 1 – 5, Kunming, **China**.
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