

## Profile of Dr. Gargi Bhattacharjee

- **Name:** Dr. GARGI BHATTACHARJEE
- **Designation:** State Aided College Teacher (I)
- **Department:** Human Development
- **Area of specialization:** Home Science (Human Development)
- **Communication Address :** 252, KabiMukunda Das Road,  
DumDum Cantonment,P. O. - Rabindranagar, Kolkata – 700 065, West Bengal
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### Academic Qualification

- **M.Sc. in Human Development (2008),University of Calcutta**
- Dissertation topic: A comparative study about the developmental tasks of adolescent boys & girls
- **Ph. D. in Human Development (2013), University of Calcutta**
- Thesis topic: Some studies on the effect of human factors in industrial accidents

### Professional Experience

1. **State Aided College Teacher (I):**Dept. of Human Development,Prasanta Chandra MahalanobisMahavidyalaya from 1<sup>st</sup>January, 2020 – Present.
  2. **Guest Teacher:**Dept. of Human Development,Prasanta Chandra MahalanobisMahavidyalaya from 18<sup>th</sup> September, 2018– 31<sup>st</sup> December, 2019.
  3. **Guest Lecturer:**Dept. of Human Development,Viharilal College of Home and Social Science, University of Calcuttafrom2013 - 2020.
  4. **Guest Lecturer:**Bengal Music College, University of Calcutta,2019.
  5. **Trainer:**Child Protection Resource Centre, Tata Institute of Social Sciences School of Vocational Education (CINI) from 2018 -2019.
- Appointed as Examiner, University of Calcutta from 2014 -2019.
  - Appointed as Examiner, West Bengal State University from 2018 – Present.
  - Appointed as Paper setter, University of Calcutta in 2018.
- **Institutional responsibilities**

- Co-ordinator of departmental seminar entitled “**Psychological Well-Being In Student’s Life**”
- Organize and co-ordinate educational visit for students (B.A./B.Sc. Hons. and Gen.)
- Organize departmental wall magazine for Hons. And Gen. students.

### **Award and Fellowship**

W.B. Govt. Merit-Cum-Means Scholarship, 2006 (for 6<sup>th</sup> ranking in B.Sc.from University of Calcutta)

### **Membership**

Life member of **The Indian Science Congress Association, Membership No. L38821**

### **Invited lectures delivered**

- Workshop on “**Process Safety Management**”, September 28 & 29, 2012 jointly organized by IChE, Calcutta Regional Center and Petroleum and Explosive Safety Organization[PESO], Eastern Region, Ministry of Commerce and Industry, Government of India.
- Seminar on “Role of governing agencies and board members other stakeholders in the management & goals of social welfare”, on 6<sup>th</sup> March 2019 organized by Dakshin Kolkata Sevasram, a social welfare home, under the Govt. of West Bengal.

### **Research Interest**

- Child and adolescent psychology, Organizational behavior, Organizational psychology,
- Occupational health and safety, Safety management in an organization
- Safety in Chemical Industry

### **Research Activity**

- **Publication in Book**

Effects of Human Factors in Process Safety: Analyses of Chemical Industrial Case Studies, **GargiBhattacharjee** and Sudip Kumar Das, *Safety and Security Issues in Technical Infrastructures*, Chapter no. 7, pp. 173-202 , ISSN:1948-9730; E- ISSN: 1948-9749, ISBN: 9781799830597(hardcover) ISBN: 9781799830603(ebook). Published by *United States of America, IGI Global*. 2020.

- **Research paper published/communicated in International Journal**

1. An accident occurred due to human error in bus during CNG cylinder burst-Lesson learned, **G. Bhattacharjee**, S. Bhattacharya, S. Neogi and S. K. Das, *Safety Science*, vol. 48 (2010) pp. 1516–1519.,ISSN: 0925-7535, Publisher – Elsevier (Netherlands), **Citation received - 9, Impact Factor: 4.10.**
2. Chlorine leakage from the bottom of a baby chlorine cylinder – Human factor and lesson learned, **GargiBhattacharjee**, S. Neogi and S. K. Das, *Safety Science Monitor*, vol. 14(2010), issue – 2, article -3 ISSN:1443-8844, Publisher - MT. ELIZA, VIC. AUSTRALIA. IPSO.
3. Safety Knowledge of LPG Auto Drivers and LPG Tank Drivers – Interview and Statistical Study, **GargiBhattacharjee**,SusmitaNeogi and Sudip Kumar Das, *Open Journal of Safety Science and Technology*, vol. 1(2011) pp. 101-107, ISSN print: 2162-5999ISSNonline: 2162-6006, Publisher – Scientific Research, **Citation received - 5, Impact Factor: 1.22.**
4. Accidental emission of ammonia from cold storage and ice factory in Kolkata and its remedial action, **GargiBhattacharjee**, S. Bhattacharya, R.K. Gangopadhyay and S.K.Das, *BonfringInternational Journal of Industrial Engineering and Management Science* Vol. 2, No. 3 (2012), ISSN print:2250-1096, ISSNonline: 2277-5056, Publisher – Bonfring, **Citation received - 2,Impact Factor: 0.541.**
5. Phenol-formaldehyde runaway reaction – a case study, **GargiBhattacharjee**,SusmitaNeogi and Sudip Kumar Das, *International Journal of Industrial Chemistry*, (2014) 5:13, DOI 10.1007/s40090-014-0013-9, ISSN print: 2228-5970, ISSN online: 2228-5547, Publisher – Springer,**Citation received - 6, Impact Factor: 1.82.**
6. Carbide fire in an acetylene gas plant – a case study, **GargiBhattacharjee**, GopalBera, Sudip Kumar Das, BiswajitSingha, *American Journal of Physical Sciences and Applications*, Vol. 1, issue - 1, 2019, pp – 14- 18. **US:ISSN 2644-0792.**
7. Comparative study on safety knowledge of deodorant/antiperspirant among college students, **GargiBhattacharjee** and Kamala Mitra, *American Journal of Physical Sciences and Applications*, Vol. 1 issue – 2, 2020, pp. 12 – 15.**US:ISSN 2644-0792.**
8. Mental effect of human and their opinion regarding the environmental effect due to COVID 19 lockdown, **GargiBhattacharjee** andBiswajitSingha, communicated to *Science of the Total Environment*, (Elsevier), July 2020.

- **Research paper published in National Journal**

1. Accidental fire due to spray of pesticide in a household, **GargiBhattacharjee**, SusmitaNeogi and Sudip Kumar Das, *Journal of Indian Chemical Society*, Vol. -94,

June 2017, pp. – 653-656. ISSN: 00194522, Publisher – Scientific Publisher, **Impact Factor 0.10.**

- **Research paper presented in International Conference**

1. Accidental emission of ammonia from cold storage and ice factory in Kolkata and its remedial action, **GargiBhattarcharjee**, S. Bhattacharya, R. K. Gangopadhyay and S. K. Das, International Conference on Control of Industrial Gaseous Emission, Annamalai University, Dept. of Chem.Engg. February, 9<sup>th</sup> -10<sup>th</sup>, 2012.
2. Fire in storage tank, **GargiBhattarcharjee**, S. Bhattacharyya, S. K. Das, International conference Gandhinagar, Ahmedabad, October, 11<sup>th</sup>-14<sup>th</sup>, 2012.
3. Accidental fire due to spray of pesticide in a household, **GargiBhattarcharjee** and Sudip Kumar Das, International Conference on Advances in Chemical Engineering (ACE 2013)February 22-24, 2013. IIT Roorkee, India.

- **Research paper presented in National Conference**

1. Human errors responsible for accident in process industries, **GargiBhattarcharjee**, Ranjit Kumar Gangopdhyay and Sudip Kumar Das, Chemical Engineering Congress, CHEMCON, 2009, Dec, 27<sup>th</sup>-30<sup>th</sup>, 2009.Andhra University, Andhra Pradesh.
2. Chlorine leakage from the bottom of a baby chlorine cylinder – Human factor and lesson learned, **GargiBhattarcharjee**, Ranjit Kumar Gangopdhyay and Sudip Kumar Das, National Conference on Recent Trends In Engineering & Education (RTEE-2010) Jan, 28<sup>th</sup>-29<sup>th</sup> 2010, National Institute of Technical Teachers' Training & Research, Kolkata, Block- FC, Sector- III, Salt Lake City, Kolkata- 700106.
3. Carbide fire in an industrial gas plant – a case study,**GargiBhattarcharjee**, SisirChakraborty, SusmitaNeogi and Sudip Kumar Das, 17<sup>th</sup> State Science & Technology Congress- 4<sup>th</sup> – 5<sup>th</sup> March, 2010 West Bengal University of Animal & Fishery Sciences 37 & 68, Khudiram Bose Sarani, Belgachia, Kolkata – 700037.
4. Case study of a CNG bus, **GargiBhattarcharjee**and Sibaprasad Bhattacharya, Academic meet 2010, 9<sup>th</sup> - 10<sup>th</sup> April, Forum Of Scientists, Engineers & Technologists (FOSET), West Bengal University of Technology (WBUT) Kolkata.
5. Statistical analysis on Safety knowledge of LPG auto drivers and LPG tank drivers, Rahul Ghosh, SreedipGhosh, PinakiNaskar, GirijaSankarMundra, **GargiBhattarcharjee**, SusmitaNeogi and Sudip Kumar Das, National Conference on Advanced pollution control systems for better environmental management, 9<sup>th</sup> - 10<sup>th</sup> April, 2011, Durgapur institute of advanced technology and management, Rajbandh, Durgapur -12, Burdwan, West Bengal.

6. Accidents in Process industries – Human Factor and Process Intensification, **GargiBhattacharjee** and Sudip Kumar Das, 48<sup>th</sup> Annual Convention of Chemists 2011 and the Celebration of the International year of Chemistry, 3<sup>rd</sup> – 7<sup>th</sup> December, 2011, Department of Chemistry, University of Allahabad, Allahabad, Uttar Pradesh.
7. Statistical analysis on safety knowledge of LPG auto drivers and LPG tank drivers, **GargiBhattacharjee**, Susmita Neogi and Sudip Kumar Das, Acharya P.C. Ray National Young Scientists' Conference during Feb 17<sup>th</sup>-18<sup>th</sup>, 2012, Presidency University, Kolkata, W.B.
8. Accidental fire due to spray of pesticide in a household, **GargiBhattacharjee** and Sudip Kumar Das, Smart Technology for Social Development in the context of Indian Languages and Workshop on Engineering Glossary: organized by CIT Madhyamgram, Kolkata. Sponsored by CSTT, MHRD, Govt. of India, Dec, 19-20<sup>th</sup>, 2017.

#### **Short Term Training Programme attended**

1. Short Term Training Programme through ICT mode on “Organizational Behavior” organized by National Institute of Technical Teachers' Training and Research, Kolkata ( Established by Ministry of Human Resource Development, Govt. of India) from 11/05/2020 to 15/05/2020 [ duration: 1 Week]
2. Short Term Training Programme through ICT mode on “Evaluating Student's Performance” organized by National Institute of Technical Teachers' Training and Research, Kolkata ( Established by Ministry of Human Resource Development, Govt. of India) from 25/05/2020 to 29/05/2020 [ duration: 1 Week]

#### **Seminar/Workshop/Webinar attended**

1. **Industrial Hazard and Risk Assessment – An Integrated Training Program** – February 05–06, 2009, Department of Chemical Engineering, University of Calcutta.
2. **Safety Management & Loss Prevention in Chemical and Allied Industry** – December 04 – 05, 2009. Calcutta Regional Centre, Indian Institute of Chemical Engineers.

3. **Unit to Combat Climate Change** – June 4, 2009. National Institute of Technical Teacher's Training & Research, Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106.
  4. **Participation in Special Olympics for intellectually challenged people** – West Bengal State Athletic Meet held on 6–7 February, 2008 at Yuba Bharati Krirangan, Kolkata.
  5. **Sustainable Green Technology towards Positive Action for Environment** – June 04–05, 2010. National Institute of Technical Teacher's Training & Research, Kolkata, Ministry of HRD, Govt. of India.
  6. **Women's health and its impact on national development** – March 17, 2011, Department of Home Science, University of Calcutta.
  7. **Ergonomics in Occupational Health** – July 9, 2011, Department of Physiology, University of Calcutta.
  8. **Early Childhood Education- Concerns and Challenges In the New Normal COVID Time**–May 27,2020, Department of Human Development of SirVithaldasThackersey College of Home Science (Autonomous), SNDT Women's University, Maharashtra.
  9. **The Innovative Use of Information and Communication Technology in Teaching - Learning and Research**, 3 day State level Webinar on June 6-9 2020, P.N. Das College in collaboration with Sir GurudasMahavidyalaya, Kolkata & DinabandhuMahavidyalaya, Bongaon, West Bengal.
  10. **Psychological Wellbeing during the pandemic: Strategies and Challenges**, July 8<sup>th</sup> 2020, Department of Human Development, AcharyaPraffulla Chandra College,,New Barrackpore, Kollkatta-131.
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