I, Ushasi Das (Bose), Analyst with experiences majoring in the field of quality control of pharmaceutical as well as cosmetics for 9 years.

 Currently, I am associated with Central drugs laboratory, Government of India, Ministry of Health and Family Welfare, Kolkata as a Bench Chemist and involved in analysis of life-saving Drugs and Pharmaceutical preparations (Pharmacopeial/ Non-pharmacopoeial) including hormone preparations such as Oxytocin, HCG, FSH, Urofollitropin, Menotropin, Heparin, Enoxaparin by different Pharmacological, Toxicological, Instrumental, Chemical and Physicochemical methods as per the official monographs of various Pharmacopoeias including drugs specified in Schedule C and C1 of Drugs and Cosmetics Rules 1945 made there under. Also I am engaged in the toxicological testing including Abnormal Toxicity Studies in animals and Rabbit Pyrogen test and Bacterial Endotoxins Test (BET) using Gel-Clot and KTA-KCA as per different Pharmacopoeias of various Drugs and Pharmaceuticals.

 Previously associated with Joy Beauty Care Pvt. Limited, Kolkata as an Analytical Chemist and involved in testing and analysis of various cosmetics formulations by different physicochemical and analytical methods using various analytical techniques.

 Well conversant with the latest trends and techniques with a degree in M.Pharm in Pharmaceutics from NSHM College of Pharmaceutical Technology, Kolkata backed with degree in B.Pharma from H. C. Garg Institute of Science and Technology, Kolkata.

 Skilled in the field of Instrumentation like HPLC, UV, Flame Photometer, Polarimeter, FTIR, Microplate Reader, GC, Dissolution, BET, KTA, Animal Handling, different Animal Studies, Calibration of different Analytical Instruments.

 Ability to learn new concepts, technology, regulations within a very short span of time and self motivated, hardworking and goal oriented with flexibility, creativity, resourcefulness, commitment and optimism.

 Published several research as well as review articles in reputed International and National journals, attended several National and International conferences as well as e-conferences, Webinars, and completed various e-workshops, courses and training.

**CURRICULAM VITAE**

**** **NAME** : **USHASI DAS (BOSE)**

**Father’s Name** : Shri Pankaj Kumar Das.

**Date of Birth** : 2nd April 1988.

**Marital Status** : Married.

**Nationality** : Indian.

**Permanent Address** : 11C, Brojendralal Ganguly Lane;

 Rabindra Sarovar,

 Kolkata- 700033.

**Email** : ushasidas88@gmail.com

**Mobile No.** :9674674677

**Languages Known** : Well conversant in English, Hindi, and Bengali.

**Hobbies** : Studying, Painting, Photography, Travelling, Riding.

**ACADEMIC QUALIFICATION:**

* **M.Pharm in Pharmaceutics** **(2011-2013)**, **80.70% or 8.82(DGPA)**, NSHM Knowledge Campus, Kolkata, Group of Institution, West Bengal University of Technology.
* **B.Pharm (2007-2011),** **74.60% or 8.21(DGPA)**, H. C. Garg Institute of Science and Technology, Kolkata, West Bengal University of Technology.
* **Higher Secondary (Bio-Science) (2005-2007), 55.20%,** Muralidhar Girls School, Kolkata, West Bengal Council of Higher Secondary Education.
* **Secondary (2005), 70.80%,** Multipurpose Govt. Girls School, Kolkata, West Bengal Board of Secondary Education.

**WORK EXPERIENCE:**

* Seven years experience as **Bench Chemist** in Department of Pharmacology & Toxicology and Animal House in the **Central Drugs Laboratory,** Government of India, Ministry of Health & Family Welfare, 3 Kyd Street, Kolkata-700016. (From 15th June, 2015 to till).
* One year and 10 months Industrial experience as **Analytical Chemist in Quality Control Department** in **Joy Beauty Care Pvt. Ltd.**, Garia Main Road, Mahamayatala, Kolkata – 700084. (From 19th August, 2013 to 13th June, 2015).

**ACHIEVEMENT:**

* Awarded “**Research Excellence Award 2021**” in 2021 by Institute of Scholars (InSc).
* Qualified **Graduate Pharmacy Aptitude Test (GPAT)** in 2013.

**TECHNICAL EXPERTISE:**

* **High Performance Liquid Chromatography** - Perkin Elmer (Flexar), Agilent (1200, 1260 Infinity).
* **Multiskan Sky Microplate Spectrophotometer** – Thermofisher Scientific.
* **UV Spectrophotometer** – Shimadzu UV1800, Hitachi-UH-5300.
* **Polarimeter** - Anton Par.
* **Flame Photometer** - PSAW-671, Eleco.
* **Fourier Transform Infra Red** – Bruker, Shimadzu.
* **Disintegration Apparatus (programmable)** – Veego, Labindia.
* **Dissolution apparatus (programmable)** – Labindia DS 8000.
* **Particle Size Analyzer** – Microtrac (Zetatrac).
* **Liquid Particle Counter** – Beckman Coulter.

**FIELD OF EXPERTISE:**

* Calibration of various Analytical Instruments (HPLC, FTIR, UV)
* Examination of Drugs & Pharmaceutical preparations (Pharmacopoeial/ Non-pharmacopoeial) by various Pharmacological, Toxicological, Instrumental (HPLC, UV etc.) and Physicochemical techniques,
* Pharmacological and Toxicological Studies,
* Animal Handling and Animal Studies,
* Bacterial Endotoxins Test (BET) by Gel-Clot Method and by Kinetic Turbidimetric Assay (KTA) as per Indian Pharmacopoeia.
* Rabbit Pyrogen Test as per Indian Pharmacopoeia.

**COMPUTER APPLICATION:**

* Knowledge in Windows and MS Office.
* Prepared two Software named **“U-STAT”** - A Statistical approach for the calculation of various biological hormonal samples (HCG, FSH, Urofollitropin, Menotrophin, Heparin, Enoxaparin).
* Software handled: **ORIGINPRO 8**.

**CONTRIBUTION FOR INDIAN PHARMACOPOEIA:**

* Significantly contributing in the development and correction of different monographs, general chapters and general reagents of Indian Pharmacopoeia.

**REVIEWER OF THE REPUTED JOURNALS:**

* Journal of Institute of Scholars (InSc)- International Journal of Basic and Applied Sciences,
* African Journal of Pharmacy & Pharmacology,
* African Journal of Microbiology Research,
* African Journal of Biotechnology.
* Journal of Public Health and Epidemiology.

**MEMBERHIPS:**

* **Lifetime Professional Member** of Institute of Scholars (InSc).

**POSTERS PRESENTED IN THE NATONAL/ INTERNATIONAL CONFERENCES:**

1. **LOW VISCOSITY HPMC AS PRECIPITATION INHIBITOR IN SECOND GENERATION SOLID DISPERSION OF A POORLY WATER-SOLUBLE DRUG.** Dhruti Avlani, **Ushasi Das,** Sutapa Biswas Majee and Gopa Roy Biswas in International Conference on Advances in Polymer Science & Technology, APA-2017, New Delhi, November, 2017.
2. **ROLE OF HYDROXYPROPYLMETHYL CELLULOSE IN IMPROVING AQUEOUS SOLUBILITY OF A POORLY WATER-SOLUBLE DRUG FROM A SOLID DISPERSION SYSTEM. Ushasi Das,** Gopa Roy Biswas and Sutapa Biswas Majee in ***Frontiers of Chemical Sciences, FICS-2014***, Department of Chemistry, Indian Institute of Technology- Guwahati, Guwahati, December, 2014. P-17.
3. **INSIGHT INTO DISINTEGRATION-PROMOTING ACTIVITY OF MANNITOL AND ITS IMPACT ON DRUG RELEASE FROM CARVEDILOL SOLID DISPERSION TABLETS. Ushasi Das,** Gopa Roy Biswas and Sutapa Biswas Majee in ***2nd Pharm. Tech. IAPST (Indian Association of Pharmaceutical Scientists and Technologists) International Conference on “New Insights into Diseases and Recent Therapeutic Approaches”,*** Jadavpur University, Kolkata, January 2014.
4. **PHYTO-SUPERDISINTEGRANT MODULATES DRUG RELEASE FROM TABLETTED SOLID DISPERSION OF A MODEL POORLY WATER-SOLUBLE DRUG.** **Ushasi Das**, Indranil Mitra and Sutapa Biswas Majee, in ***Best Research & Review Award 2013 By Pharmamedix India & National Conference on "Latest Invention & Modern Techniques of Advance Research,*** Rajasthan, April, 2013.
5. **APPLICATION OF SOFTWARES IN VARIOUS STAGES OF DEVELOPMENT OF ORAL SOLID DOSAGE FORMS. Ushasi Das**, in ***Changing Scenario of Pharmaceutical Technology & Research in the era of Globalization: An Indian Perspective,*** NSHM Knowledge Campus, Kolkata, Group of Institutions, Kolkata, March, 2013, PT/P-24.
6. **ENHANCED QBD APPROACH IN MANUFACTURE OF GENERIC TABLETS: APPLICATION OF CHEMOMETRICS. Ushasi Das** and Sutapa Biswas Majee**,** in ***National Symposium on Innovations in Pharmaceutical Sciences*,** Ahmedabad, Ahmedabad Management Association, Gujarat, February, 2013.
7. **ROLE OF WATER ON *IN VITRO* PERFORMANCE OF A MODEL BCS CLASS-II SOLID DISPERSION TABLET USING CELLULOSIC SUPERDISINTEGRANT. Ushasi Das**, Indranil Mitra, Sutapa Biswas Majee, Gopa Roy Biswas and Subhasis Maity, in ***64th Indian Pharmaceutical Congress,*** SRM University, Chennai, December, 2012, A-625.
8. **PHYTO-SUPERDISINTEGRANTS. Ushasi Das** and Sutapa Biswas Majee in ***AICTE sponsored National Conference on “ Biopolymers, Bioactive Agents & Delivery Strategies”*,** Gupta College of Technological Sciences, Asansol, April, 2012, PPCT-31; 56.
9. **FERROFLUID: AS A CARRIER FOR TARGETED DRUG DELIVERY SYSTEM IN NANOTECHNOLOGY.** **Ushasi Das** in ***National Conference on Impact of Pharmaceutical Education and Research in Redefining Healthcare Industry of 21st Century***, NSHM College of Pharmaceutical Technology, Kolkata, February, 2012; PT/P-27.
10. **DESIGN AND EVALUATION OF PIROXICAM LOADED SOLID LIPID NANOPARTICULATE SYSTEM. Ushasi Das**, Neha Khanum, S. Mukherjee and S. Maity in ***63rd Indian Pharmaceutical Congress,*** Bengaluru, December, 2011, A-572.
11. **HEPATOPROTECTIVE ACTIVITY OF SOME QUERCETIN DERIVATIVES BY CARBON TETRA CHLORIDE INDUCED METHOD.** Chanchal K Roy, Amit Kumar Das, Swarupananda Mukherjee and **Ushasi Das** in ***62nd Indian Pharmaceutical Congress***, Manipal, December, 2010, D-298.

**REVIEW/ RESEARCH PAPERS PUBLISHED:**

* **RESEARCH ARTICLES:**
1. **MIXED ORDER DRUG RELEASE KINETICS INDUCED BY L-HPC LH-11: A NEW FRONTIER IN IMPROVED DISSOLUTION BEHAVIOR OF SOLID DISPERSION TABLETS OF A BCS CLASS 2 DRUG.** Sutapa Biswas Majee\*, **Ushasi Das,** and Gopa Roy Biswas, in ***Research Journal of Pharmaceutical, Biological and Chemical Sciences***, Vol. 5 (5)/214, 2014, 1404-1415. (ISSN: 0975-8585) **(Impact Factor: 0.35).**
2. **GUM KARAYA: A RELEASE MODIFIER EMPLOYED IN THE FORMULATION OF MATRIX GRANULES CONTAINING AMOXICILLIN TRIHYDRATE AS A MODEL DRUG.** Gopa Roy Biswas \*, **Ushasi Das**, Sutapa Biswas Majee, in ***International Journal of Research in Pharmaceutical Sciences;*** Vol. 5 (2), 2014, 124-131. (ISSN: 0975-7538) (**IC Value 2011: 5.44)**.
3. **INSIGHT INTO THE RELEASE KINETICS OF AMOXICILLIN TRIHYDRATE FROM BUCCOADHESIVE TABLETS WITH A NATURAL GUM.** Gopa Roy Biswas \*, Subhasis Chakraborty, **Ushasi Das**, Sutapa Biswas Majee, in ***Research Journal of Pharmaceutical, Biological and Chemical Sciences***; Vol. 5 (3)/86, 2014, 772-785. (ISSN: 0975-8585) **(Impact Factor: 0.35).**
4. **DISCRIMINATING POWER OF DISSOLUTION MEDIUM IN COMPARATIVE STUDY OF SOLID DISPERSION TABLETS OF BIOPHARMACEUTICS CLASSIFICATION SYSTEM CLASS 2 DRUG.** **Ushasi Das\***, Gopa Roy Biswas and Sutapa Biswas Majee, in ***African Journal of Pharmacy and Pharmacology***; Vol. 8(15), 2014, 408-412. **DOI 10.5897/AJPP2013.3827**. (ISSN: 1996-0816) **(Impact Factor: 0.84).**
5. **FABRICATION OF A DISINTEGRATION-ACCELERATED MATRIX TABLET OF CARVEDILOL**. **Ushasi Das**\*, Gopa Roy Biswas And Sutapa Biswas Majee, in ***International Journal of Pharmaceutical Research***; Vol. 3 (4), 2013, 22-28. (ISSN: 2250 – 0944).
* **REVIEW ARTICLES:**
1. **EMERGING TRENDS IN DIABETIC TREATMENT AND RESEARCH**. **Ushasi Das**\*, Dilip Kumar Panda and Rakesh Kumar Rishi, in ***The Pharma Review, Kongposh Publications Pvt. Ltd.***; Vol.2, 2017, (ISSN: 0973-399X).
2. **THE MICROCHIP DEVICE DESIGN FOR CONTROLLED RELEASE DRUG DELIVERY SYSTEM- A REVIEW. Ushasi Das\*** andDebasis Dutta, in ***NSHM Journal of Pharmacy and Healthcare Management***; Vol. 3, 2012, 82- 93. (ISSN: 2230-7249).
3. **QUANTUM DOTS: AN OPTIMISTIC APPROACH TO NOVEL THERAPEUTICS.** Swarupananda Mukherjee\* and **Ushasi Das**, in ***International Journal of Pharmaceutical Sciences Review and Research***, Vol. 7, 2011, Article-010, 59 – 64**.** (ISSN: 0976-044X).
* **ORAL PRESENTATIONS:**
1. **FUNCTIONAL EVALUATION OF THE EFFECT OF CROSS-LINKED POLYMERS ON CARVEDILOL RELEASE FROM TABLETS.** Sutapa Biswas Majee, **Ushasi Das** and Gopa Roy Biswas, in ***International conference on Polymeric Biomaterials, Bioengineering & Biodiagnostics “Biomaterials-2014***, Indian Institute of Technology- Delhi, Delhi, October, 2014.
2. **IMPACT OF RATIO OF HYDROPHILIC CARRIER AND CELLULOSIC DERIVATIVE IN TABLET ON DISSOLUTION PARAMETERS (Manuscript No: ISCA-ISC-2013-14PCS-12). Ushasi Das**, Gopa Roy Biswas and Sutapa Biswas Majee, in ***3rd International Science Congress (ISC-2013)*** organized by International Science Congress Association, Karunya University, Coimbatore, Tamil Nadu, December, 2013. **(ISBN: 978 – 93 – 83520 – 24 – 4)**.
3. **HIGH-FUNCTIONALITY EXCIPIENT PROMOTES DRUG RELEASE FROM TABLET (PAPER ID-INCAM\_BM\_4)**. Sutapa Biswas Majee, **Ushasi Das** and Gopa Roy Biswas, in ***Indian Conference on Applied Mechanics***, Indian Institute of Technology- Madras, Chennai, July, 2013. **(ISBN: 978 – 93 – 5137 – 273 – 8)**.

**EXTRA CURRICULAR ACTIVITY:**

* Participated in **ACUMEN-2016, INTERNATIONAL ONLINE ESSAY WRITING CONTEST** organized by ***School of Pharmaceutical Management, IIHMR University, Jaipur, India*** in Association with Abbott.
* Participated in **YOUNG SCIENTIST COMPETITION-2013, National Level Review & Research Paper Publication Competition**, (YSC 2013-PT 05: Fabrication of a Disintegration-Accelerated Matrix Tablet of Carvedilol ) organized by ***International Journal of Pharmaceutical Research***.
* Participated in the **NATIONAL LEVEL PHARMA POWER POINT COMPETITION** organized by ***Pharmacists’ Organization for Women Empowerment and Research (POWER)***, 8th March, 2013.

**TRAININGS/ INTERNSHIPS/COURSE CERTIFICATIONS:**

* **“Pharmaceutical Regulatory Affairs” Certificate Course**; 12th February – 19th March 2022 by Anand Pharmacy College, Anand, Gujarat.
* **“Emerging Trends and Alternatives in Pharmacological Research” Web Training Course**; 14th – 19th February 2022 by UGC Networking Resource Centre, University Institute of Pharmaceutical Sciences (UIPS), Panjab University, Chandigarh.
* **“New Era Technologies in Formulation Design Space” Web Training Course**; 17th – 22nd January 2022 by UGC Networking Resource Centre, University Institute of Pharmaceutical Sciences (UIPS), Panjab University, Chandigarh.
* **“Patenting of NDDS and Specialty [505(b)(2)] Products;** 7th September – 12th November 2021 by The Indian Pharmaceutical Association, Maharashtra State Branch, Bombay College of Pharmacy and Pharma Literati.
* **Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs/ New Drug (Version 3.0)**; **Score: 75% (Elite with Silver)**; August to October 2021 (8 Weeks) by NPTEL funded by ministry of HRD, Government of India and Clinical Development Services Agency, Swayam.
* **Introduction to IPR, Patentability, Patent Filling Process in India, Patent Specification, case studies**; 25th – 27th October 2021 by Rajiv Gandhi National Institute of Intellectual Property Management, Government of India, Ministry of Commerce and Industry, Nagpur**.**
* **Forensic Serology**; 6th - 17th March 2017 by INSTITUTE OF SEROLOGY, GOVT. OF INDIA, Kolkata.
* **Basic Liquid Chromatography**; 8th - 9th December 2016 by WATERS (INDIA) PRIVATE LIMITED, Kolkata.
* Summer Internship Programme-2013 at **CSIR-Central Glass & Ceramic** **Research Institute (CGCRI), Kolkata. Project entitled "Comparative Study on Synthesis, Drug Loading And Drug Release Kinetics Of Nitrogeneted, Ambient And Carbonated Mg-Al Layered Double Hydroxide (Nanoceramic Powder)" (**From 18th June, 2013 to 15th August, 2013).
* **ALBERT DAVID LIMITED**, Kolkata; 7th – 19th July 2010 in Small Volume Parenteral (including Visual Inspection and packing), Tablet, Oral Liquid, Quality Control, Bulk Drug, External preparations (Cream/ Gel/ Lotion), Quality Assurance and Raw Material Stores.
* **BURNET PHARMACEUTICALS (P) LTD**, Kolkata; 22nd June – 17th July 2009 in Tablets and Capsules manufacturing unit and Quality Control.

**WORKSHOPS/ e-LEARNINGS:**

* **Introduction to Signal Detection**; 17th December 2021 by Uppsala Monitoring Centre**.**
* **Statistical Reasoning and Algorithms in Pharmacovigilance**; 15th December 2021 by Uppsala Monitoring Centre**.**
* **Certificate Course in Regulatory Affairs**; 15th December 2021 by The Pharma Courses**.**
* **Introduction to Pharmacovigilance**; 29th November 2021 by Uppsala Monitoring Centre**.**
* **Introduction to the Patent Coorporation Treaty** (PCT Distance Learning Course); 22nd November 2021 by WIPO Academy, World Intellectual Property Organization**.**
* **Specialized Course on the Madrid System for the International Registration of Marks**; 5th October – 21st November 2021 by WIPO Academy, World Intellectual Property Organization**.**
* **IPR Licensing and Commercialization**; 16th November 2021 by Rajiv Gandhi National Institute of Intellectual Property Management, Government of India, Ministry of Commerce and Industry, Nagpur**.**
* **Polymers in formulations & Novel Drug Delivery**; 9th November 2021 by PharmaState Academy**.**
* **Deviations & Issue Management Systems (Mini Course)**; 3rd November 2021 by Qualistery**.**
* **Overview of ICH Q7** (Online Training Course); 28th October 2021 by Parenteral Drug Association (PDA)**.**
* **Promoting Access to Medical Technologies and Innovation – A WHO, WIPO, WTO Executive Course on the Intersections Between Public Health, Intellectual Property and Trade** (Tri-Lateral Course); 15th September - 17th October 2021 by WHO, WIPO & WTO**.**
* **Hyphenation and Effect Directed Analysis in HPTLC** (Workshop); 15th September 2021 by Anchrom Enterprises (I) P. Ltd**.**
* **e-Learning Course: Introduction to Good Clinical Laboratory Practice**; 13th September 2021 by The Global Health Network.
* **cGMP: Introduction to Good Manufacturing Practice – An Abridge Course**; 10th September 2021 by Biopharma Institute.
* **e-Learning Course: Introduction to Clinical Research**; 8th September 2021 by The Global Health Network.
* **e-Learning Course: ICH Good Clinical Practice E6 (R2)**; 7th September 2021 by The Global Health Network.
* **Master of Science in Blotting**; 28th August 2021 by Western Blotting University, Bio-Rad.
* **Medical Device Vigilance (MaterioVigilance)**; 23rd August 2021 by VigiServe Foundation.
* **Applications of HPTLC** (Workshop); 18th August 2021 by Anchrom Enterprises (I) P. Ltd**.**
* **e-Learning: Foundations of GMP (10 Modules);** 10th August 2021 by USP.
* **Pharmacovigilance System Master File - PSMF**; 7th August 2021 by VigiServe Foundation.
* **Pharmacovigilance Basics – II**; 6th August 2021 by VigiServe Foundation.
* **HPTLC: Technique and Pharma Applications** (Virtual Workshop); 3rd August 2021 by Anchrom Enterprises (I) P. Ltd, Mumbai and SMT BNB Swaminarayan Pharmacy College, Vapi.
* **Estimation of Measurement Uncertainty;** 28th July 2021 by Udemy.
* **Pharmacovigilance Basics –** I; 12th July 2021 by VigiServe Foundation.
* **The Ultimate Course of Gas Chromatography**; 10th July 2021 by Udemy.
* **CLINEVO Safety Expert**; 10th July 2021 by CLINEVO Technologies.
* **Global Pharma Regulatory Affairs course**; 9th July 2021 by Udemy.
* **Become A Master in HPLC Technique – (Liquid Chromatography)**; 9th July 2021 by Udemy.

**PROJECT DETAILS:**

* Modulation of *in-vitro* performance of oral solid dosage form of a model poorly water soluble drug (Carvedilol). **(M.Pharm)**
* Formulation and Evaluation of Granules of Amoxicillin Trihydrate using Gum Karaya as Release Modifier. **(B.Pharm)**

**DECLARATION:**

I hereby declare that all the statements furnished here are true, complete and correct to the best of my knowledge.

**Place: Kolkata**

**Date: 22-06-2022**

 **(USHASI DAS)**