

GAUTAM ANAND

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Permanent Address :- S/O Shashi Bhushan Kumar, Ranipur Road, Pethiya Bazar, Phulwarisharif Patna, Bihar, Pin Code - 801505

Objective

To learn and grow with organization which provides congenial work environment in domains of research and development as well as in life sciences or biotechnology.

Current Affairs

Working as Polysomnography Technologist (Clinical Application Specialist) with STAR Health Mart from 15th of June 2017 to till date.

Professional Summary

- Four years work experience in Research & Development and field Survey from Research Department of Mahavir Cancer Sansthan, Patna, Bihar
- Worked in DST SSTP funded project on arsenic assessment over an assigned village area of Bihar under the principal investigator Dr. Arun Kumar (Scientist I)
- Assessment of Arsenic through Atomic Absorption Spectrophotometer in water samples, blood and other biological samples which were collected from arsenic hit village area during the project
- Skilled & equipped in instruments handling and analytical techniques like High Performance Liquid Chromatography (HPLC), Atomic Absorption Spectrophotometer (AAS), UV-VIS Spectrophotometer, Electrophoresis, RT PCR and other laboratory equipments
- Executed my aspiration for the successful completion of hands on training over “Atomic Absorption Spectrophotometer(AAS)” which was held on 2nd & 3rd November 2015 and over “High Performance Liquid Chromatography (HPLC)” machine which was held on 1st & 2nd December 2015 at Mahavir Cancer Sansthan & Research Centre Patna
- Worked as a volunteer/assistant in two days workshop on “Real time PCR Technology” on 28th & 29th September 2016 organized by Mahavir Cancer Sansthan & Research Centre Patna
- Possess excellent skills in report writing, data collection and analysis for research paper publication
- Possess excellent communications & inter-personal skills, flexible & versatile in new environment, self-motivated & a good team player. Have worked in multi-cultural environment

Education

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|--------------------------|---|
| • M.Tech (Biotechnology) | West Bengal University of Technology, Kolkata, W.B. |
| • B.Tech (Biotechnology) | Rajasthan Technical University, Kota, Rajasthan |
| • I.Sc. (Maths+Bio) | Bihar Intermediate Education Council, Bihar |
| • Xth (CBSE) | Kendriya Vidyalaya Khagaul, Patna, Bihar |
| • Knowledge of Computer | MS Office, Hardware & Software, |

Career Highlights

Company/Institute : STAR Health Mart
Period : June 2017 – Present
Designation : Clinical Application Specialist

Role : Clinical Support for Sleep & Respiratory Care

Responsibilities

- Patient appointment & Pre- Counselling
 - Explain the procedure and orient patient to Sleep Centre
 - Take input regarding special requirement and Patient Medical History
- Polysomnography
 - Site preparation for Electrode placement
 - Electrode application
- Prepare and calibrate equipment for testing and ensure proper signal and data acquisition
 - Apply electrodes and sensors according to accepted published standards
 - Ensure proper data by bio-calibration
 - Record PSG's
 - Perform CPAP and BIPAP Split-Night Titration
- Scoring & Reporting
- Document routine observations including Sleep Stages and Clinical Events
- Generating Reports with Detailed inputs Recommendations
- Post Counselling & PAP Device Application & Compliance Management
- Managing inventory of sleep lab studies
- Efficient working on Alice 5/ Alice 6 and Porti labs
- **Sales & Marketing**
 - NIV Implementation training support to the nursing staffs
 - Polysomnography training for sleep technician
 - Management of respiratory care (BIPAP/CPAP) and other devices at home, hospital and clinics
 - Performs Meeting with Doctors and clinicians for product detailing like NIV devices (BIPAP, CPAP), Polysomnography and others

Company/Institute : Mahavir Cancer Sansthan & Research Centre
Period : November 2014 – June2017
Designation : Research Lab Technician/Assistant

Role : Research Assistant

Responsibilities

- Development of digital Epidemiological Data of various cancer cases of Mahavir Cancer Sansthan under the supervision of Dr. Arun Kumar (Scientist I)
- Study of karyotype variation in Arsenic exposed group of Mice (animal model) under the supervision of Dr. Ranjit Kumar (Scientist I)

- Assessment of Arsenic and other heavy metals (which is toxic to health) through Atomic Absorption Spectrophotometer
- Assessment or analysis of various pesticides through High Performance liquid Chromatography (HPLC) under the supervision of Dr. Ranjit Kumar (Scientist-I)
- Requirements understanding, analyzing and follow-ups with Scientists
- Assist and work with scientists to their ongoing projects
- Isolation of Non-polar and polar components of medicinal plants through Rotavapor
- Histo- pathological and hematological studies
- Manage and assist the practical work or experiments of the project trainees and Ph.D students and used to monitor and maintain the various instruments used in the research laboratory
- Assist to the work of project trainees working on assigned work topics through our Scientists like cardio toxicity produced by Doxorubicin, Assessment of Arsenic in biological samples, Karyotype study, Toxicological study on animal model and amelioration through selected herbal plants

Project	:(DST SSTP Project No. DST/SSTP/Bihar/155/2011 (G)) under Principal Investigator Dr. Arun Kumar (Scientist- I) at Mahavir Cancer Sansthan & Research Centre, Patna, Bihar
Funding Organization	: Department of Science & Technology, New Delhi
Company/ Institute	: Mahavir Cancer Sansthan & research Centre
Period	: October 2013 – October 2014
Designation	: Project Assistant

Role

Research – laboratory work as well as field survey work for various sample collection and analysis

Responsibilities

- Estimation of Arsenic through Arsenic Test kits in water samples collected from arsenic hit areas
- Field survey for the collection of Arsenic contaminated water samples and human biological samples like blood, hair and nails from the Arsenic hit areas
- Assessment of arsenic in laboratory through Atomic Absorption Spectrophotometer in water samples, blood and other biological samples
- Hematological study of the blood samples to determine the effects of Arsenic on human blood as well as for health issues

Certification (Conference & Symposium)

- Participated in an International conference on “Development, Biodiversity and Climate changes; issues and challenges” dated from 03rd October 2014 to 5th October 2014 and presented a poster entitled “Phytoremedial effect of *Pterocarpus santalinus* against Arsenic induced toxicity in Charles Foster Rats” in Chamba climate meet 2014 at Chamba, Himachal Pradesh.
- Worked as an Executive member in the National symposium 2015 on “Role of molecular diagnostics in cancer treatment” sponsored by Department of Science & Technology, New Delhi and Bihar Council on Science & Technology, Patna and organized by Mahavir Cancer Sansthan & Research Centre Patna Bihar.
- Participated in a conference on “Ground Water Development Prospects and water quality issues in Bihar” at A. N. Sinha Institute of Social Studies Patna, Bihar on 18th March 2016.
- Participated in a National Seminar on “Emerging Trend in Diabetes Research & Management” on 30th November 2016 at National Institute of Pharmaceutical Education & Research, Hajipur.

- Worked as an Executive member in the National symposium 2017 on “Environment & Health” sponsored by UNICEF, Patna, Bihar, and organized by Mahavir Cancer Sansthan & Research Centre Patna, Bihar which was held on 16th January 2017 and also participated in poster presentation.

Project & Training skill

➤ **Dissertation**

Six months dissertation on Arsenic induced toxicity in Charles Foster Rats and its amelioration by using medicinal plants (*Pterocarpus santalinus*, *Pteris longifolia* and *Coriandrum sativum*) done at Mahavir Cancer Sansthan Patna Bihar from 4th of March 2013 to 4th of September 2013.

➤ **Professional Training:**

Training on Sleep Related Breathing Disorder & Solutions with Philips India Limited under supervision of Mr. Alakh Kumar, Regional Manager Clinical Application- Sleep & Respiratory Care from October 2010 to June 2011

➤ **Project:**

Six month project training on Cloning of *Rosa rubiginosa* by Micropropagation technique (Plant tissue Culture) from Institute of Biotechnology Patna Bihar in 2010.

➤ **Summer Trainings:**

- * Microbiological & Chemical Analysis of Milk Products from Patna Dairy (SUDHA) in 2008.
- * Mushroom Culture Technology from Agricultural Research Institute, Patna in 2009.
- * One month training on Animal Research from Mahavir Cancer Sansthan, Patna in 2009.

Publications

- Kumar, A., Kumar, R, Rahman, MS., Iqubal,A., **Anand,G.**, Niraj,P.K.& Ali, M. (2015) :Phytoremedial effect of *Withania somnifera* against arsenic-induced testicular toxicity in Charles Foster Rats. *Avicenna Journal of Phytomedicine*, 5 (4) : 355-364.{ISSN: 2228-7949}
- Kumar, A., Ali, M., Rahman, MS., Iqubal,A., **Anand,G.**, Niraj,P.K.& Kumar, R. (2015) : Antidote effect of Plants of Himalayan Sub- origin against Arsenic Induced Toxicity. *Journal of Biological and Chemical Research*, 2(2) :99-109. {ISSN: 2312-0088}
- Kumar, A., Ali, M., Rahman, MS., Iqubal,A., **Anand,G.**,Niraj,P.K.& Kumar, R. (2015) : Ground Water Arsenic Poisoning in Simri Village of Buxar District, Bihar, India : A survey. *Journal of Environmental and Analytical Toxicology*.(Accepted).{ISSN: 2161-0525}
- Kumar, A., Ali, M., Rahman, MS., Iqubal,A., **Anand,G.**, Niraj,P.K., Shankar, P & Kumar, R. (2015) : Ground Water Arsenic Poisoning in "Tilak Rai Ka Hatta" Village of Buxar District, Bihar, India Causing Severe Health Hazards. *Journal of of Environmental Sciences. Manuscript Submitted (Manuscript Number - ENVPOL-S-15-00477).***2014**
- Kumar, A., Ali, M., Rahman, MS., Iqubal, A., **Anand, G.**, Niraj,P.K.& Kumar, R. (2015) : Ground Water Arsenic Poisoning in Simri Village of Buxar District, Bihar, India : A survey. *International Journal of Preventive Medicine. Manuscript Submitted (Manuscript Number - IJPVM_641_14).*

Declaration

I hereby declare that the information provided is true and correct to best of my knowledge.
In anticipation of favorable response.

Thanking You.

Gautam Anand