CURRICULUM VITAE
OF
RASEL AHMED

Lecturer
Department of Chemistry
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CAREER OBJECTIVE:

It is my early dream to be a well reputed teacher as well as to conduct time demanding research in the field of chemistry for the betterment of human life and nation. I believe in hard-work, honesty, sincerity, responsibility, and patience to reach a man's goal. I also believe in the acquisition of knowledge before applying it.

ACADEMIC QUALIFICATIONS:

Master of Science (M. S.)

Institution	:	University of Dhaka
Department	:	Chemistry
Branch	:	Physical Chemistry
Group	:	Thesis group
Result	:	CGPA **3.95** (Out of 4.00)
Merit position	:	1st
Year of passing	:	2014 (held in 2015)

Bachelor of Science (B. S.)

Institution	:	University of Dhaka
Department	:	Chemistry
Duration	:	4 years Honours
Result	:	CGPA **3.64** (Out of 4.00)
Merit position	:	5th
Year of passing	:	2013(held in 2014)

Higher secondary certificate (H.S.C)

Institution	:	Zia Sarkarkhana College
Board	:	Comilla
Group	:	Science
Result	:	GPA **5.00** (Out 5.00)
Year of passing	:	2008

Secondary School Certificate (S.S.C)

Institution	:	Al-Haj Bazlul Haque J.M. High School
Board	:	Dhaka
Group	:	Science
Result	:	GPA **4.81** (Out 5.00)
Year of passing	:	2006

PROFESSIONAL EXPERIENCES:

Organization : Pabna University of Science and Technology, Pabna, Bangladesh
Position : Lecturer in Chemistry
Duration : July 2019 - Present

Organization : Northern University Bangladesh
Position : Lecturer in Chemistry in the Department of Textile Engineering
Duration : May 2017 - July 2019

Organization : ACI Health Care Pharmaceuticals Limited, Bangladesh
Position : Executive in Research & Development Department
Duration : October 2016 - April 2017

RESEARCH EXPERIENCES:

1. **M. S. Research in Adsorption Equilibrium Study (Continuous Process):** In my M. S. study, I have completed 10 credit research projects on Adsorption Study under the supervision of my honourable supervisor **Professor Dr. Mohhamad Abul Hossain**, Department of Chemistry, University of Dhaka. The title of my M.Sc Thesis is "**Adsorptive Removal of Fast Green from Aqueous solution with Used Black Tea Leaves."** The aim of this thesis work was to evaluate the feasibility of Used Black Tea Leaves (as adsorbent) for the removal of dye from waste water in large scale especially in the industrial sector.

2. **B. S. Research in Adsorption Study (Batch Process):** During my B. S. study, I have accomplished 2 credit research projects on Adsorption Study under the supervision of my honourable supervisor **Professor Dr. Mohhamad Abul Hossain**, Department of Chemistry, University of Dhaka. The title of my B. S. Project is "**Kinetics and Thermodynamics of Fast Green Adsorption on Used Black Tea Leaves."** The goal of this project work was to examine the kinetics of adsorption which helps to evaluate the feasibility of Used Black Tea Leaves (as adsorbent) for the removal of dye from waste water.

RESEARCH INTEREST:

1. **Surface Chemistry**
2. **Electrochemistry**
3. **Nanomaterials and Nano Technology**

PUBLICATIONS:

Journal Publications (recognized and refereed journals/proceedings):

1. ''Optimization of a fixed bed column adsorption of Fast Green dye on used black tea leaves from aqueous solution'' **Rasel Ahmed** and Mohammad Abul Hossain; *Journal of the Iranian Chemical Society*, **2021,** https://doi.org/10.1007/s13738-021-02310-z. Online ISSN: 1735-2428; Print ISSN: 1735-207X.
2. ''Kinetics and Thermodynamics of Acid Red 1 Adsorption on Used Black Tea Leaves from Aqueous Solution"**Rasel Ahmed**, Raisa Rahman Rafia, Mohammad Abul Hossain; *International Journal of Sciences*,**2021**,Vol.10, Issue 6, Page: 7-15, DOI: 10.18483/ijSci.2469; Online ISSN: 2305-3925; Print ISSN: 2410-4477.
3. ''Characterization of Ethyl Violet Adsorption on Used Black Tea Leaves from Aquatic Environment: Kinetic, Isotherm and Thermodynamic Studies" **Rasel Ahmed,**Santa

Islam and Mohammad Abul Hossain; *American Journal of Physical Chemistry*, **2021,** Vol. 10, Issue 2, page: 38-47 , Online ISSN: 2327-2449; Print ISSN: 2327-2430.

4. '' Mass transfer mechanism of the adsorption of fast green on used black tea leaves from aqueous solution'' **Rasel Ahmed,** Md. Qamrul Ehsan and Mohammad Abul Hossain; *Journal of the Bangladseh Chemical Society*, **2020,** Vol. 32, Issue (1 &2), page: 48-54, Online ISSN: 2408-8692; Print ISSN: 1022-016X.
5. ''Kinetics and thermodynamics of adsorption for removal of basic violet 14 by used black tea leaves from aqueous solution'' **Rasel Ahmed,** Liton Kumar Biswas and Mohammad Abul Hossain; *NUB Journal of Applied Sciences*, **2018,**Vol. 02, Issue 1&2, page: 39-45, ISSN: 2307-8065.
6. ''Kinetics and Thermodynamics of Adsorption for the Removal of Fast Green by Used Black Tea Leaves from Aquatic Environment'' Mohammad Abul Hossain and **Rasel Ahmed**; *British J. Environ. Sci.***2015,** Vol. 03, Issue 5, page: 32-44, ISSN 2055-0219(Print), ISSN 2055-0227(online).

Processing manuscript for submission:

- Effective removal of Fast Green from synthetic wastewater using used black tea leaves as a low cost biosorbent; **Rasel Ahmed**[1], Mohammad Abul Hossain[2]
- A study of removal of Basic Violet 14 dye using low cost adsorbent Used Black Tea Leaves; **Rasel Ahmed**[1], Mohammad Abul Hossain[2], Liton Kumar Biswas[3]

TRAINING EXPERIENCE:

- **Title with brief Description:**

Title: Industrial process unit operation & process control technique.
This training covered lecture sessions including demonstrations on process symbols and process diagrams, pump, compressor, turbine, boiler etc. and a good number of important practices on widely used process technology like evaporation, crystallization, absorption and neutralization, water softening, ion exchange, pump arrangement, heat exchange etc.

Date	**:**	25th may- 20th June, 2013
Duration	**:**	21 days

Conducted by : Operation and process control technology department, TICI (Central training institute of Bangladesh chemical industries corporation), Polash, Narsingdi, Bangladesh.

PERSONAL AWARDS/ HONOURS RECIEVED:

1. **"Abdul Muktadir Memorial Trust Scholarship''** for securing the **merit** position in B.S. (Honours) examination.
2. National Science and Technology Fellowship (2015-2016 Fiscal)
3. Comilla Board Scholarship 2008
4. Primary School merit Scholarship at 5th Grade

RESEARCH GRANTS RECIEVED:

Organization Offering the Grant	Project title	Period
UGC Research Grant (Principle Investigator)	Dynamic Modeling of the Transport Mechanism of Fast Green to Adsorb on Used Black tea Leaves.	2019-2020

PERSIONAL SKILLS:

Major Instrumental Skills	FTIR(Fourier Transform Infra Red Spectroscopy), UV-Visible Spectrometer, GC(Gas Chromatography), HPLC (High Performance Liquid Chromatography) and Gel Permeable Chromatography (GPC)
Computer Skills	Good Command of Microsoft Office (Word, Excel, Outlook and Power point) and Chemistry Model Drawing Software (Chemdraw-2012)

PERSIONAL PROFILE:

Name	:	Rasel Ahmed
Father's name	:	Abdul Hashim
Mother's name	:	Rehena Bagum
Present address	:	Ichamoti Bachelors' Dormitory, Pabna University of Science and Technology, Pabna-6600 Phone: (+880)1858438082
Permanent address	:	Village-Manik Nagar, Post Office-Algi Bazar, Police Station: Raipura, District: Narsingdi
Nationality	:	Bangladeshi
Marital Status	:	Married
Spouse Name	:	Samia Sultana Asha
Date of Birth	:	20 November 1990
Religion	:	Islam

REFERENCES:

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