

CURRICULUM VITAE**KAIZAR HOSSAIN** M.Sc, DIS & Ph.D (Submitted)

Assistant Professor (Environmental Science)
 Dept. of Chemistry
 GITAM University Hyderabad Campus
 Rudraram, Hyderabad
 Andhra Pradesh
 Pin- 502329, India.



Mobile: +91-9985134132 / 9394226232

E-Mail: kaizar.kaizar@gmail.comMore detail - sites.google.com/site/drkaizarh**Objective:**

To have a highly challenging career as well as research in any field of 'Environmental Science and technology', where I can apply my knowledge and applicative mind and acquire new skills.

Research Interest:

Environmental Remediation Technology.
 Environmental monitoring (Air, water & soil)

Academic qualifications:

Ph. D thesis submitted on 24.04.2012 to GITAM University, India in Environmental Science

Title of the thesis: "Application of Electron Beam Radiation Technology for Sewage water Treatment."

Master of Science, Andhra University, India, 2008, Environmental Science

Title of master's thesis: "Incidence of Dermatophytes School Soils of Visakhapatnam: A Case Study"

Bachelor of Science, Burdwan University, India, 2005, Environment and Water Management

Professional qualification:

Diploma in Industrial Safety from Faculty of Engineering and Technology, Annamalai University, India, 2008,

Total Experience:

Research Experience: 4 years

Teaching experience: 6 Months as Assistant Professor

Teaching Experience as Assistant Professor

Level	College/Univ./Institute	No. of Years/Month	Subjects Taught
B.Tech	Dept. Environmental	Since 18-06-	Environmental Studies

B.Tech Civil	Science, GITAM University Hyderabad	2012 To till date	Environmental Engineering
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Teaching Experience at the time of Ph.D Programme

Level	College/Univ./Institute	No. of Years	Subjects Taught
Post-Graduate	Dept. Environmental Studies, GITAM University	3	Environmental Chemistry Environmental remediation Technology Industrial Waste water treatment Rural & Urban Sanitation Environmental Problems and solutions
Graduate BEM	Dept. Environmental Studies, GITAM University	3	Environmental remediation Technology Industrial Waste water treatment Environmental Problems and solutions Rural & Urban Sanitation

Research Achievements:

Received prestigious author scientific credits from OMICS publishing group, USA

My name has been included in **Scopus author directory**.

AuthorID-35109421200 (<http://www.scopus.com/authid/detail.url?authorId=35109421200>)

Recent honors and awards like Journal's Editorial Board Member:

Editor in-Chief, International Journal of Sustainable Energy and Environmental Research (Asian Economic and Social Society). <http://aessweb.com/editorial-board.php?id=5014>

Editorial Board Member for

1. Journal of Sustainable Engineering (**USA**)
American Institute of Sustainable Science & Technology (AISST)
2. European Journal of Sustainable Development (**Italy**)
<http://www.ecsdev.org/index.php/publications/editorial-board>
3. Journal of Basic & Applied Sciences (**Canada**)
<http://www.lifescienceglobal.com/independant-journals/journal-of-basic-and-applied-sciences/editorial-board>
4. International Journal of Pharmacy and Pharmaceutical Sciences (**India**) www.ijppsjournal.com
5. Medical and Biological Sciences of World Academy of Science, Engineering and Technology (**USA**). <https://www.waset.org/search.php>
6. Comprehensive Journal of Environmental and Earth Science (**Nigeria**)

Membership of professional bodies:

Member of International Society for Environmental Information Sciences, Canada

Member of ISI web: A Global Community where researchers connected, **published by Thomson Reuters**.

Researchers ID- **H-2461-2012** (URL: <http://www.researcherid.com/rid/H-2461-2012>).

Member of **International Water Association (IWA)**, Water Wiki: - information resource and hub for the global water community.

<http://www.iwawaterwiki.org/xwiki/bin/view/XWiki/wastewater?language=>

Life member of National Association for Application of Radio-isotopes and Radiation in Industry (NAARRI). Mumbai. **LM-1188**

Research Experience:

Senior Research Fellow of the BRNS Research project, BARC, DAE, Govt. of India from 1st April 2011 to 31st March 2012. (**One Year**)

Junior Research Fellow of the BRNS Research project, BARC, DAE, Govt. of India (**Two Years**)

Laboratory Analyst cum Technician (Water & Soil), Department of Environment And Water Management, (**R & D wing**), B.B. College, Asansol, West Bengal, Govt. of India (**One Year**)

Training Programmes for technical experience

Waste Water Quality Analysis, organised by Asansol Mines Board of Health, (West Bengal), Govt. of India (one month)

Water Purification, organised by Public Health Engineering Services (PHE) Water Treatment Plant, Kalyanewari, (West Bengal), Govt. of India (one month)

Research Projects

Project # 1:

Treatment of effluent from a Sewage treatment plant using electron beam: A novel approach". (As Ph.D work)

Project # 2:

Underwent project work in JINDAL STAINLESS LTD. Entitled "A Study on Knowledge, Attitude and Practice of Personal Protective Equipments" (Industrial Safety)

Project # 3:

"Incidence of Dermatophytes in School Soil of Visakhapatnam: A case Study" (As M.Sc Project work)

Project # 4:

"Comparative Studies on the some aspects of soil parameters in Asansol- Raniganj- Coal Field Area to assert the fertility of the soil." (As Summer Project)

Manual Prepared

Jayakumar R, and **Kaizar Hossain** (2012) Environmental Engineering Manual - II – Study material for B.Tech Engineering Graduates prescribed as per UGC Syllabi at GITAM University, Hyderabad Campus, Rudraram, Medak, Andhra Pradesh.

Papers published in National / International Journals- 18 & Total Impact Factor = 4.14

International - 14

National - 4

Y. AVASN. Maruthi, **Kaizar Hossain** and M. Sultana (2012) Optimization studies on pollution abatement: biodegradation of nitroso dye effluents by two fungi (phanerochaete chrysosporium & trametes hirsuta) under static conditions. *International Journal of Pharmacy and Pharmaceutical Sciences* (in press), (IF-1.1)

Y.AVASN Maruthi **Kaizar Hossain** and Abhishak Goswami (2012). Assessment of drinking water quality in some selected primary schools in Visakhapatnam. *Der Chemia*, (USA), Pelagia Research Library 2012, 3(5):1071-1074.

Y.AVASN Maruthi, **Kaizar Hossain** and D. Apta Chaitanya (2012) Incidence of Dermatophytes School Soils of Visakhapatnam: A Case Study. *Asian Journal of Plant Science & Research* (ISSN: 2249-7412, CODEN (USA): AJPSKY), 2(4), 534-538.

Y. AVASN Maruthi, **Kaizar Hossain**, B. Gayatri, M. Rakesh Kumar & Sumit Mukherjee (2012). A comparative study of physico-chemical and biological analysis of sewage water at some selected sewage discharge points along the coast of Visakhapatnam. *International Journal of Science*. 1(3), Article Id-10152

Y. AVASN Maruthi, **Kaizar Hossain**, D. Hari Priya and B. Tejaswi (2012). Prevalence of Keratinophilic fungi from Sewage Sludge at Some Wastewater out lets along the coast of Visakhapatnam: A case study. *Advances in Applied Science Research*, 3 (1):605-610

Y. AVASN Maruthi, D. Apta Chaitanya, **Kaizar Hossain**, A Sravani and S Jagadish (2012). The Occurrence of Keratiophilic Fungi and Related Dermatophytes from sewage water discharge points. *Euro. J. Exp. Bio.*, 2 (1):13-16

D Ramprasad Naik, S A Rahiman and **Kaizar Hossain** (2012). Vulnerable endangered, threatened and rare species categories in the submergence area of Polavaram area. *European Journal of Experimental Biology*, 2 (1): 288-296

Y A VASN Maruthi, N Lakshmana Das, **Kaizar Hossain**, K P Rawat, K S S Sarma & S Sabharwal (2011) Disinfection and Reduction of Organic load of Sewage Water by Electron Beam Radiation. *Applied water Science (Springerlink)* DOI: 10.1007/s13201-011-0008-z

Y A VASN Maruthi, N Lakshmana Das, **Kaizar Hossain**, K P Rawat, K S S Sarma & S Sabharwal (2011) Application of electron beam technology to improve sewage water quality: an advance technique. *African Journal of Environmental Science and Technology*. Vol 5(7) 545-552.

Y A VASN Maruthi, N Lakshmana Das, **Kaizar Hossain**, K P Rawat, K S S Sarma & S Sabharwal (2011). Advance oxidation of sewage water, reclamation and hygienization by radiation technology. *Hydrology current Research*. Vol-2(1) (USA), (IF-0.4).

Y. AVASN. Maruthi, S.Ramakrishna Rao, D. Apta Chaitayna , **Kaizar Hossain**, R. Santosh Kumar, M. Sitaratnam and R.Tulshirao (2010). Evaluation of water quality in the vicinity of some salt pans, visakhapatnam district, andhra pradesh, The Bioscan, Special issue, Vol. 3; 665-672

Y.AVASN.Maruthi, Anima.S. Dadhich, D.Apta Chaitnya, **Kaizar Hossain** & M.B.S.R. Avanthi. (2010). Biosorption Of Iron (Ii & Iii) By *Thiobacillus Ferrooxidans* And *Aspergillus Niger* – Fungi Isolated From Soil In The Vicinity Of Steel Plant. *Journal of Industrial Pollution Control*. 26 (2): 211-216.

Y.Avasn.Maruthi, B.F.Rodrigues, Ramakrishnarao, **Kaizar Hossain** and V. Divya rao. (2010) Distribution of arbuscular *mycorrhizae* (am) in some selected soil of Visakhapatnam: a case study. *Asian journal of Microbiology Biotechnology & Environmental Science*. 12 (2):315-322. (IF-0.04)

Ch. Satyanarayana, S. Ramakrishna Rao, & **Kaizar Hossain**. (2010). Assessment of Water Quality along the Coast of Andhra Pradesh. *Nature Environment and Pollution Technology*. 9 (1): 19-23.

B.Padma Priya, Y. AVASN Maruthi & **Kaizar Hossain**. (2009). Chlorpyrifos Pesticide Toxicity On Liver Glycogen, Lipids, Proteins Alkaline Phosphate And Erythrocyte Sedimentation Rate In Fresh Water Fish *Channa Punctatus*. *ANU Journal of Earth Sciences*. December Volume, 2009.

Y. Avasn Maruthi, K. Aruna Lakshmi, S. Ramakrishna Rao, **Kaizar Hossain**, D. Apta Chaitanya & Pavani. (2009). Role of Traditional wood Preservative In Preventing Biodeterioration of Fishing boats- a case study. *Journal of Ecotech*. 1 (1): 134-139

Martuhi Y. Avasn, **Hossain Kaizar**, Padma Priya B., Rao L. Neelakanta, Srinivas T. and Ramakrishna Rao S. (2009). Dust Pollution – A Case Study in Old Town Area, Visakhapatnam. *Research Journal of Chemistry and Environment*. 96-98, (IF-0.4)

Y. Avasn Maruthi, K. Aruna Lakshmi, S.Ramakrishna Rao, **Kaizar Hossain**, D. Apta Chaitanya & K. Karuna.(2008) Dermatophytes and other fungi associated with hair-scalp of Primary school children in Visakhapatnam, India: A Case Study And Literature Review. *The Internet Journal of Microbiology* 2008 Volume 5 Number 2. (IF-2)

Papers communicated in International Journals - 3

International - 3

Y.Avasn Maruthi, **Kaizar Hossain** and B.Sri Hari (2012). Potential health problems in workers of Parlors due to exposure in handling and using LPG, electric and biomass fuel based stoves. *Journal of occupational and Environmental health*. (Brown University, USA)

Y.AVASN Maruthi, **Kaizar Hossain** and Sujata Thakre (2012). *Aspergillus flavus*: A potential Bioremediator for oil contaminated soils. *International Journal of Soil Science*

Y AVASN Maruthi, N Lakshmana Das, **Kaizar Hossain**, K P Rawat , K S S Sarma & S Sabharwal(2012) Appliance of Electron Beam Technology for Disinfection of Sewage Water to minimize public health risks. *Ecosystem, Elsevier publication*

Seminar/ Conferences/ Workshop organized:

2012 One day awareness programme on “Popularization of eco-friendly technologies among the rural public”. On 29th September, 2012 conducted by Department of Civil Engineering, GITAM University Hyderabad campus.

Papers published in National / International Conferences : 12

Author (s)	Title of the paper	Name of the seminar, organizing Institution and Place	Year
Dibyatanay Joardar, Kaizar Hossain, Y AVASN Maurthi ³ and V.S.S.N.Kantamreddi	Generation of Electricity Using Biocathode Microbial Fuel cell from Sewage Accepted for ORAL Presentation	National Conference on Chemistry for Sustainable Development. Organized by Department of Chemistry, GITAM Institute of Science, GITAM University, Visakhapatnam	10-11th October 2012
Kaizar Hossain, Y Surendra Kumar, N Ravi Kumar and Y Avasn Maruthi	Assessment of Sewage Microflora: Sewage Treatment and Challenges Ahead". ORAL Presentation	In national Seminar on Climate Change and sustainable Management of water Resources (CCWR-2012), Organized by Department of Environmental Science, GITAM University,	17 & 18 th March, 2012
Y Avasn Maruthi &Kaizar Hossain et al	A comparative study of physico-chemical and biological analysis of sewage water at some selected sewage discharge points along the coast of Visakhapatnam. ORAL Presentation	In national Seminar Andhra Pradesh Science Congress organized Andhra Pradesh Akademi of Science & GITAM University, Visakhapatnam.	14-16 Nov 2011
Y A VASN Maruthi,N Lakshmana Das, Kaizar Hossain , K P Rawat, K S S Sarma & S Sabarwal	Sewage Water by Radiation Technology. ORAL Presentation	In International Conferences on Effects of Emissions & Effluents on Environment, Organized by Engineering Chemistry, Andhra University, Visakhapatnam.	23 rd & 24 th Dec 2011
Y A VASN Maruthi,N Lakshmana Das, Kaizar Hossain , K P Rawat, K S S Sarma & S Sabarwal	Reduction of BOD & COD from Sewage Water by Radiation Technology ORAL Presentation	98 th Indian Science Congress Organized by SRM University, Chennai and Indian Science Congress Association, Kolkata	3 – 7 Jan, 2011
Y.avasn.maruthi, B.F.Rodrigues, Ramakrishna rao Kaizar Hossain and V. Divya rao	Distribution of Arbuscular Mycorrhizae (AMs) In Some Selected Soils Of Visakhapatnam: A Case Study	98 th Indian Science Congress Organized by SRM University, Chennai and Indian Science Congress Association, Kolkata	3 – 7 Jan, 2011
Y A VASN Maruthi,N Lakshmana Das, Kaizar Hossain , K P Rawat, K S S Sarma & S Sabarwal	Presented a poster on “disinfection of sewage by electron beam radiation”. ORAL Presentation	NAARI International conference (NIC) Organized by National Association for application of radiation & radioisotopes in Industry, Mumbai	13 -15 , Dec,2010
Y.avasn.maruthi, S.Ramakrishna rao D.Apta Chaitayna Kaizar Hossain and Santosh.	Evaluation of Groundwater Quality in the vicinity of some salt pans in around visakhapatnam – a case study	International Conference – Energy, Environment and Development: from Stockholm to Copenhagen and beyond (ICEED – 2010) Organized by Dept. of Environmental Sciences, Sambalpur University, Sambalpur, Orissa	10 – 12 Dec, 2010
B.Padma Priya,Y. AVASN Maruthi & Kaizar Hossain	Chlorpyrifos Pesticide Toxicity On Liver Glycogen, Lipids, Proteins Alkaline Phosphate And Erythrocyte Sedimentation Rate In Fresh Water Fish <i>Channa Punctatus</i>	National Seminar on “ Aquatic Toxicology and Biodiversity ” organized by Dept. of Zoology, ANU University. Guntur. AP.	February 18 th 19 th and 20 th 2010.
Y. Avasn Maruthi, K. Aruna Lakshmi, S. Ramakrishna Rao, D. Apta Chaitanya Sravani Amarapu & Kaizar Hossain	Prevalence Of Keratinophilic Fungi From Both Sewage Contaminated Sand Soils And Sand Pits Along The Coast Of Visakhapatnam: A Case Study	National Seminar on “Recent Advances in Molecular Microbiology and Microbial technology” organized by Dept. of Microbiology, Kakatiya University. Warangal. AP.	January 22-24, 2009
D.Apta Chaitnya, Y.AVASN.Maruthi	Eco-Friendly Disposal Of Feather And Hair Waste By	International Conference on Recent Advances in Environmental Protection	December 17 th - 19 th

& Kaizar Hossain	<i>Chrysosporium Tropicum</i> – A Potent Keratinophilic Fungus”	(RAEP-2009) organized by St. Johns College Agra, UP, INDIA,	2009,
Kaizar Hossain & Y.AVASN.Maruthi	“Status of Hygiene in School Children With Respect to Incidence of Dermatophytes in Governmental School Soils of Visakhapatnam”. ORAL Presentation	International Conference on Sustainable Environmental Sanitation and Water Resources During New Mellennium, jointly organized by Dept. of Environmental Studies, GITAM University, AP, INDIA, Bharathi Theertha, Naperville, IL, USA and India Development Coalition of America, Oakbrook, IL, USA.	March 27 2008
Y.AVASN.Maruthi & Kaizar Hossain	“A Case Study of Drinking Water Quality Assessment in both Some selected Pilgrim center and Tourist Spots in Visakhapatnam”	International Conference on Sustainable Environmental Sanitation and Water Resources During New Mellennium, jointly organized by Dept. of Environmental Studies, GITAM University, AP, INDIA, Bharathi Theertha, Naperville, IL, USA and India Development Coalition of America, Oakbrook, IL, USA.	March 27 2008

Seminars/ workshop attended:

1. National Seminar on “**Solid and Hazardous Wastes Management for Safety, Health & Environment.**” On and from March 16-17, 2009, organized by Dept. of Environmental Sciences, Andhra University. AP.
2. One day Workshop on “**Municipal Solid west Management** “ organized by A P pollution Control Board and Andhra university, on 10 Nov. 2009.
3. State level seminar on “**New Frontiers in Biosciences** “organized by Dept. of microbiology, Biotechnology & Biochemistry, Maharajah’s Post Gradute College, Vizianagaram, AP

Workshops participated:

1. Actively participated in C.M.P.D.I.L. Asansol (W.B) sponsored Study of Flora Fauna census Data and Socio-Economic Survey of different Collieries Under Eastern Coalfield LTD, during July-September-**2003**.
2. Actively participated in C.M.P.D.I.L .Asansol (W.B) sponsored Study of Flora-Fauna census Data and Socio-Economic Survey of different Collieries Under Eastern Coalfield LTD,during July-September-**2004**.
3. National Workshop on “**Techniques in Arbouscular mycorrhizal (AM) Fungal Research**”. Organized by Dept of Botany, UGC, SAP, Goa University. On and from Feb- 25 – 27, **2009**.
4. One day Workshop on “**Environmental Pollution And its impacts on Climate change** “ organized by A P pollution Control Board and GITAM University, on 3rd Dec. **2009**.

Environmental Awareness Programs Participated:

1. One day workshop cum exhibition on “**Biodiversity conservation for sustainable development** “organized by Dept. of Environmental Studies, GITAM University,

VISAKHAPATNAM, AP. and Ministry of Environment and Forest, Delhi through DDS, On 12th March, 2008.

2. One day workshop cum exhibition on “**Climate Change**” organized by Dept. of Environmental Studies, GITAM University, VISAKHAPATNAM, AP, and Ministry of Environment and Forest, Delhi through DDS, on 12th March, 2009.

Extra curricular activities:

Participated in various workshops and events like “**SCIENCE EXPO**”, **World Environmental Day**, **Ozone Day**, **World water day**, **Earth Day**, and **Science Day** organized by Dept. of Environmental Studies. GITAM University.

PERSONAL PROFILE:

Name : **KAIZAR HOSSAIN**

Father's Name : **ANWAR HOSSAIN (National Awarded Teacher)**

Date of Birth : **13th December, 1984.**

Nationality : **INDIAN**

Languages Known : **English, Hindi, Bengali, and Telugu**

Gender : **Male**

Marital Status : **Unmarried**

Passport Number : **H0801638**

PAN Card Number : **ADJPH3949K**

Permanent Address : **BHUBANDANGA (North)
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BIRBHUM-731204
WEST BENGAL, INDIA**

REFERENCES:

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RTDD, BARC

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Date: 19.12.2012

Place: **Hyderabad**

Kaizar Hossain

(KAIZAR HOSSAIN)