

# Khalid Anwer (Ph.D)

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***Innovative, highly skilled, and hardworking individual (Sr. Asst. Professor) seeking teaching/practical/research- of Graduate, Postgraduate and Ph. D. scholars with an expertise of Biosciences; Well versed in chalk-board, laboratory skills, tutorials, syllabus and curriculum design; Assignments and Presentations; Critical Thinking and Discussions, to the best of my potential***

## ↪ FIELD OF SPECIALIZATION ↪

- ✓ **Biochemistry, Physiology, Biophysics, Molecular and Cellular Biology, and other subjects of Life Sciences and Biotechnology.**

## ↪ RESEARCH IN CONTINUATION ↪

- ✓ To study the folding strategies from the effect of weak salts like lithium chloride, lithium bromide and lithium perchlorate on C-phycoerythrin.
- ✓ To probe out the p sensitivity of  $\alpha$ C-phycoerythrin and its natural truncant in comparative manner.

## ↪ PERSONAL PORTFOLIO ↪

- ✓ **Languages known-** English (U.K), Hindi and Urdu
- ✓ **Father's name-** Late Md. Tahir Hussain
- ✓ **Date of Birth-** 2<sup>nd</sup> June 1982
- ✓ **Nationality-** Indian
- ✓ **Marital status-** Married
- ✓ **Address for correspondence:** Meerghyaschak, Laheriasarai, Darbhanga- 846 004
- ✓ **Permanent Address-** Okhla Vihar, Jamia Nagar, New Delhi- 110 025.

## ↪ ACADEMIA ↪

- ✓ **Ph. D. in Biological Sciences (Biosciences)** from Jamia Millia Islamia (A Central University), New Delhi); 2015
- ✓ **Master in Biosciences (72.42%)**, from Jamia Millia Islamia.
- ✓ **B. Sc. (Honours) in Biotechnology (70%)**, from Vinoba Bhave University.
- ✓ Qualified **CSIR-NET** (AIR 20; Roll 330 366; June 2011) and **SLET** (Roll 021 610 241; 2006-07) in Lifesciences, and **GATE** (BT 306 9324; 2011) 94.6 percentile in Biotechnology.

## ↪ SCHOLARS UNDER TRAINING FOR THE DEGREE OF PH. D. ↪

- 1. Chandra Shekhar Singh: "Biosystematics Study of Some Members of *Cassia* Linn. spp.
- 2. Study of hydrobiological factors of different makhana growing areas specially Darbhanga district and their qualitative and quantitative analysis for its improved yield.

## ↻ PROFESSIONAL EXPERIENCES & OCCUPATIONAL CONTOUR ↻

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➤ ~ 18 years

- **September 2019 to till date: Assistant Professor**, Department of Botany, C. M. Science College, Darbhanga, Bihar
- **April 2016 to August 2019- Lecturer**, Department of Biotechnology, Jamia Hamdard, Tughlakabad, New Delhi
- **September 2012 to March 2015- Senior Research Scholar/Research Associate**, Jamia Millia Islamia, New Delhi, India.
- **September 2010 to September 2012- Junior Research Scholar**, Jamia Millia Islamia, New Delhi, India.
- **July 2007 to September 2010- Assistant Professor / Lecturer** (Best lecturer award, 2009), Jaipur National University, Jaipur, Rajasthan, India.

### Responsibilities

- ✚ Imparting lectures on Life Sciences and Biotechnology, specially Biochemistry, Biophysics, Molecular Biology and RDT, subjects.
- ✚ Multidisciplinary research in Protein Folding, MD simulation, RT-PCR, Immunopathies etc.
- ✚ To conduct / demonstrate practical experiments and to operate examination works.
- ✚ **Supervised Dissertations-** ~200 at post graduate level and ~300 at undergraduate level.

## ↻ MEMBERS OF SCIENTIFIC/ACADEMIC BODIES/SOCIETIES ↻

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- ✓ **INDIAN BIOPHYSICAL SOCIETY (IBS)** - Lifetime membership number 895.
- ✓ **SOCIETY OF BIOLOGICAL CHEMISTS, INDIA (SBCI)** - Lifetime membership number 3254.
- ✓ **Indian Institute of Science Scholars (IISS)**
- ✓ **InSc 9001:2015 (Institute of Science)-** Lifetime membership.

## ↻ RESEARCH PUBLICATIONS ↻

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### *In peer reviewed journals-*

- **Khalid Anwer, Faizan Ahmad, Md. Imtaiyaz Hassan et al., (2013); "Role of N-terminal residues on folding and stability of C-phycoerythrin: simulation and urea-induced denaturation studies"; *J Biomol Struct Dyn*, vol. 31, page 1-13.**

- **Khalid Anwer**, Asimul Islam, Md. Imtaiyaz Hassan, Faizan Ahmad *et al.*, (2014); “**Folding and stability studies on C-PE and its natural N-terminal truncant**”; *Arch Biochem Biophys*, vol. 545, page 9-21.
- **Khalid Anwer**, Safikur Rahman, Ravi R. Sonani, Faez Iqbal Khan, Asimul Islam, Datta Madamwar, Faizan Ahmad, Md. Imtaiyaz Hassan; “**Probing pH sensitivity of C-phycoerythrin and its natural truncant: A comparative study**”; *International Journal of Biological Macromolecules (IJBM)*; 86; 18-27; 0141-8130.
- **Khalid Anwer**, Kamal Ahmad, Aayesha Parveen (2023); “**Time to radically re-evaluate the use of natural compounds in different cancer cure: A review based on realism to reconsider**”; *Journal of Emerging Technologies and Innovative Research (JETIR)*; 10/5; 289-309; 2349-5162.
- Abdelbaset Mohamed Elasbalia, Waleed Abu Al-Soud, Elyasa Mustafa Elfaki, Hamad H. Alanazi, Bandar Alharbi Salem Hussain Alharethie, **Khalid Anwer**, Taj Mohammad and Md. Imtaiyaz Hassan; “**Identification of novel c-Kit inhibitors from natural sources using virtual screening and molecular dynamics simulations**”; *Journal of Biomolecular Structure and Dynamics*; 1538-0254; (JBSD); 41/1; 1-12.
- **Khalid Anwer**, Faizan Ahmad, Md. Imtaiyaz Hassan *et al.*; “**Role of weak salts in folding and stability of cyanobacterial phycoerythrin and its truncated variant**”, *Journal of Proteins and Proteomics* 6 (1): JPP86 [ISSN: 0975-8151].

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- “A comparative study on the effect of pH on cyanobacterial phycoerythrin and its naturally truncated variant”, *Journal of Proteins and Proteomics* 6 (1): JPP87 [ISSN: 0975-8151].
  - “Stability measurement of two natural variants of cyanobacterial phycoerythrin in a comparative manner using GdmCl and pH”, *Journal of Proteins and Proteomics* 3 (2):20 [ISSN: 0975-8151].
  - “Differential structural characterization of C-PE isolated using classical freeze-thaw and new chemical methods using CD and temperature-induced unfolding”, *Journal of Proteins and Proteomics* 3 (2): 21, 2012 [ISSN: 0975-8151].
  - “Effect of salts and pH on two natural forms of phycoerythrin: A comparative study”. *Journal of Proteins and Proteomics* 4 (2): 15 [ISSN: 0975-8151].
  - “Comparative stability measurement of two natural variants of cyanobacterial phycoerythrin”, *International Symposium on Protein Folding and Dynamics* being organized at NCBS, Bangalore from 15th to 17th October, 2012.
  - “Cyanobacterial Phycoerythrin is a Model System for Comparative Stability Measurement” in the *National Conference on Challenges and Opportunities in Life Sciences-* held on Feb. 8 and 9, 2013 at the Shivaji University, Kolhapur.

#### ↪ **AREAS OF RESEARCH & EXPERTISE/Thesis and Dissertations** ↪

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##### ✚ **Jamia Millia Islamia, New Delhi, India**

**Ph.D.** in Biosciences- “Folding and stability studies on naturally truncated photosynthetic pigment, C-phycoerythrin from cyanobacterium *Phormidium tenue*”.

##### ✚ **AIIMS, New Delhi, India**

Training as well as **M.Sc. Dissertation** work- “Detection, localization and characterization of *bcr-abl* gene translocation causing Chronic Myeloid Leukemia (CML)” using PCR and RT-PCR.

Worked as a member in a project of CSIR entitled –“**Role of mthfr gene and MDS in the translocation of *bcr-abl* gene causing CML.**”

##### ✚ **Department of Pathology, RIMS, Ranchi- Clinical pathology.**

- ✚ **“Institute of Animal Health and Production”**, Patna, Bihar- Vaccine preparation and quality control.
- ✚ A visit and survey at Patna Dairy, Patna— **regarding production and quality control of different milk products.**
- ✚ **CMRI (a unit of CSIR)**, Dhanbad, Jharkhand –Dissertation on “Impact of coal dust on human health causing diseases like **Pneumoconiosis**”, Biochemical analysis of different water sources and road-sided dusts & its impact on nearby plants.
- ✚ Entrepreneurship Development (small scale industry)

### ↪ Computer Skills ↪

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Pursued two certificate courses covering-

- ✚ Working knowledge of MS-Office
- ✚ Use of Bioinformatics tools
- ✚ Working knowledge of “C” Language, FOX-PRO, and PAGEMAKER.

### ↪ OTHER ACCOLADES/AWARDS ↪

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- ↪ **At CMSC, DBG: Incharge and Members of various Departments/committees in CMSC- HoD Botany; Sports and Athletes; Time Table;** Cultural and Co-Curricular activities; College Magazine; Hostel Committee; Discipline Committee; Building and Infrastructure Committee; Students' events organizing committee; Advisory committee; CBCS B. Sc. Botany syllabus designing committee; Members of the board of studies, Botany, LNMU;
- ↪ **Course Co-Ordinators** at CMSC- Mushroom Cultivation and Herbal Medicine.
- ↪ **Refresher/Orientation/Induction Courses** attended and secured: 6
- ↪ **MANUU- Academic councillor- Botany**
- ↪ **Seminars/webinars and Conferences** attended/participated: More than 20 (International) and more than 30 (National).
- ↪ **Workshops and symposium:** More than 25
- ↪ Seminars/conference/symposium/workshop/webinars/Quiz organized- More than 15.
- ↪ External Interviewers cum Examiners- Various
- ↪ **T & F awards-** Beyond Academia (by Taylor and Francis group).
- ↪ Best Dissertation cum job training award during B. Sc. Biotechnology Honours.
- ↪ Attended online workshop, ABREN, Japan, on the Drug designing & deciphering 3D structures of different proteins
- ↪ Attended 11 different workshops based on Biochemistry, Biophysics, Bioinformatics, Molecular Biology, Haematology & Thrombophilia.  
Field workshop based on- Effect of thermal Fly-ash on urban plants, Probiotics-*The New Health Jagran*, conducted by- food technology dept, G.B.Pant University, Pant Nagar.
- ↪ Qualified National Level Entrance Examination for M.Sc. courses conducted by Jamia Millia / Jamia Hamdard / Bundelkhand Univ. / Jiwaji Univ. / DAVV.