



Bhaskaracharya College of Applied Sciences (University of Delhi)

Sector II, Phase I, Dwarka, New Delhi – 110075

FACULTY PROFILE

Title	Dr.	First Name	Anil	Last Name	Bali	Photograph
Designation		Associate Professor				
Department		Biology and Zoology				
Address (Campus)		Bhaskaracharya College of Applied Sciences Phase I, Sector-2 Dwarka, New Delhi- 110075				
Contact Details		+91 9810696967				
Email Id		anil.bali@bcas.du.ac.in				
Educational Qualifications		Subject	Institution			
D.Phil.		Molecular Biology and Biotechnology	University of Sussex, U.K.			
M.Phil.		Zoology	Kurukshetra University, India			
M.Sc.		Zoology	Kurukshetra University, India			
B.Sc. (Hons.)		Zoology	University of Delhi, India			

Research Interests/ Specialization

1. Microbial Molecular Biology and Biotechnology
2. Medical Physiology

Teaching Interest

1. General Biology
2. Cell Biology
3. Molecular Biology
4. Biotechnology
5. Medical Physiology

Achievements/Patents

Patent : Ammonia Production (*nif L* mutant of *Azotobacter vinelandii* ; Mutant nitrogen fixing bacterium).

Inventors : Bali A. , Blanco G. , Kennedy C

Submitted by British Technology Group Ltd. (U.K.) in September 1991.

Published in Derwent Biotechnology Abstract , U.K . (Patent GB 2259302 A)

(Withdrawn ; Included For Academic Value as Publication ; Still being cited by future Patent applicants).

Publications (Last Five Years)

Year of Publication	Title	Journal	Co-author/s
2018	Host dependent expression of lactose (lac) promoter in <i>Azotobacter vinelandii</i> and Streptomycin (str) promoter in <i>Azorhizobium caulinodans</i> .	Asian Journal of Microbiol. Biotech. Environ. Sci., Volume 20, No.2:582-587 (ISSN: 0972-3005)	Anil Bali (Author)
2018	Selected kinematics of Upper punches (UP), Middle punches (MP) and Lower punches (LP) of Karate- a comparative study	DU Journal of Undergraduate Research and Innovation, Volume 3, Issue 2 : 64-70 (ISSN: 2395-2334)	Dhananjay Shaw, Balaram Pani, Anil Bali, Deepika Dhiman and Pawan Kumar
2017	A comparative study of Heart rate variability (HRV) of female science students from sports and non-sports background.	Online International Interdisciplinary Research journal, Volume 7, Issue 5 :150-158 . (ISSN: 2249-9598)	Pawan Kumar, Anil Bali and Lalit Kapur

2016	Frequency domain analysis of selected Heart rate variability (HRV) and Respiratory variables of male sports students and non-sports students from Science stream background- a comparative analysis.	International Journal of Advances in Science Engineering and Technology, Volume 4 (Special issue-2) : 1-5 (ISSN: 2321-9009)	Anil Bali, Pawan Kumar, Lalit Kapur et. al
2016	A comparative study of Heart Rate Variability (Time Domain) of selected variables of male Science students from sports and non- sports background.	Online International Interdisciplinary Research Journal) vol. VI (Special issue) :267-272.(ISSN 2249-9598)	Pawan Kumar , Anil Bali and Lalit Kapur
Conference Publications			
2017	Comparison of selected Respiratory Variables of Science stream girls with and without sports background	Proceedings of National Conference of Clean and Green energy: The Chemical and Environmental aspects : 74-76 (ISBN: 978-1-63535-362-4)	Pawan Kumar, Anil Bali, Lalit Kapur et. al.
Project (Minor/Major)			
<p>Innovation Project : 2015-16 ; Principal Investigators (Dr. Anil K. Bali , Dr. Lalit Kapur and Dr. Pawan Kumar) (Undergraduate Research initiative in colleges of University of Delhi) Grant Sanctioned : Rs. 600,000 Project code : BCAS-301 Project Title : Development of Norms of Selected Autonomic Nervous System Functions , Lipid Profile , Electrolyte and Selected Respiratory variables of college students with and without sports background.</p>			
Any other information			
<p>A. Publication of the following chapters online (e-modules) as Central Board of Secondary Education nominated ideator (Biology) of the committee on C.B.S.E. (International) for class XI-XII .</p> <p>C.B.S.E. International , 2014</p> <ol style="list-style-type: none"> Unit 5 : Life and its Chemistry Unit 6 : Biomolecules Unit 7 : Study of Cell Tools and Techniques Unit 8 : Structure and Function of Cell Unit 9 : Cell Cycle <p>B. Membership of Professional Societies :</p> <ol style="list-style-type: none"> Life member - Indian Science Congress association (L- 31158). Life member - Society for Plant Biochemistry and Biotechnology , India (L-333) . Biotech Club member (28A00822) , Biotech Consortium of India Limited (BCIL), New Delhi-110002. Member (41629191) , American Association of Advancement of Science (AAAS) , USA <p>C. Awards and Distinctions :</p> <ol style="list-style-type: none"> Meritorious Teacher Award , 2015 by Directorate of Higher Education , Govt. of NCT of Delhi . Medal awarded for the First class First position in M.Phil. 			

3. Commonwealth Scholarship for D.Phil. at University of Sussex , U.K.
4. Margaret Grant Fellow , University of Sussex , U.K.
5. Visiting Post-doctoral Research Associate at the Department of Biology , Washington University , U.S.A. (1991-1993)
6. Pool Officer , Scientist's Pool Scheme , CSIR , India (1994-1997).
7. Vice Principal (March 2012- March 2013) and Acting Principal (More than 6 months).
8. Member (Ideator) of material production group for International curriculum – C.B.S.E. (i) for Class XI in the subject of Biology .

D. Other Select Publications :

1. Goldman S., Beckman D. L., Bali A., Monika E.M., Gabbert K.K. and Kranz G. (1997) , “ Molecular and Immunological analysis of an ABC transporter complex required for Cytochrome C Biogenesis” J. Mol. Biol. 268 : 724-738 (Impact Factor ; 5.673 ; cited by 86).
2. Blanco G. Woodley P. Drummond M. Bali A. and Kennedy C. (1993) , “ The *nif L* gene of *Azotobacter vinelandii* : Novel features of sequence , expression and mutant phenotypes . In New Horizons in Nitrogen Fixation , Palacios R., Mora J. , Newton W.E. (eds.) Kluwer Academic Publishers , The Netherlands Pp. 429-434. (ISBN 0-7923-2207-X)
3. Bali A., Blanco G., Hill S., Kennedy C. (1992) , “ Excretion of Ammonium by *nif L* mutant of *Azotobacter vinelandii* fixing nitrogen “ Appl. Environ. Microbiol. 58: 1711-1718 (Impact Factor ; 3.128 ; cited by 118).
4. Kennedy C., Bali A., Blanco G., Contreras A., Drummond M., Merrick M., Walmsley J. and Woodley P. (1991) , “ Regulation of expression of genes for three nitrogenases in *Azotobacter vinelandii*. In Nitrogen Fixation , Polsinelli M., Materssi, R and Vincenzini M. (eds.) Kluwer Academic Publishers , Dordrecht , The Netherland Pp. 13-23 (ISBN 0-7923-1410-7).
5. A. Contreras , Drummond M., Bali A., Blanco G., Garcia E., Bush G., Kennedy C., and Merrick M., (1991). “The product of the nitrogen Fixation regulatory gene *nfrX* of *Azotobacter vinelandii* is functionally and structurally homologous to the uridylyl transferase encoded by *gln D* in enteric bacteria”. J. Bacteriol. 173 : 7741-7749 (Impact Factor ; 3.702 , cited by 72).