

PERSONAL PROFILE

NAME: DR.P. SHAJAHAN BEGUM

M.Sc., Ph.D, CSIR NET

**Lecturer in Zoology,
SML Government Degree College,
Yemmiganur, Kurnool District, Andhra Pradesh,
Mobile: 9866757924
Email: khanamknl@gmail.com**



1. Academic Qualifications and Other details:

Subject : ZOOLOGY
Highest Educational Qualification: Ph.D
Employee ID (for regular staff only): 0954742
Date of Birth: 24-05-1984
Social Category: OC Religion: Islam
Gender: Female

2. Date of Joining service as:

- a) Lecturer in Degree College : 01-01-2013
- b) In SML Govt.Degree College, Yemmiganur : 08-09-2023

3. Awards and Achievements:

- 1.Certificate of appreciation for e.Content generation in Zoology of LMS by Commissionarate of Collegiate Education A.P.
2. Certificate of appreciation in recognition for my role as mentor for SWAYAM -NPTEL online certificate ANIMAL PHYSIOLOGY JUL-DEC 2022 by NPTEL- AICTE ,coordinator IIT Madras.
- 3.Appreciation by MoEs INNOVATION CELL Government of India for acting as Innovation activity Coordinator at Silver Jubilee Govt.Degree College Kurnool.

3. Educational Details:

S.No	Class	Name of the Institution and Place	From	To	% of marks Division	Board/ University
1	SSC	Govt town model high school	1997	1998	80	Board of Secondary School Education.
2	Inter	B. Camp Govt. Junior College Kurnool	1998	2000	75	Board of Intermediate Education
3	UG (B.Sc. Biochemistry)	KVR Govt.Degree College for Women	2001	2004	84	SK University Anatapuram
4	PG (M.Sc. Animal sciences -Animal Biotechnology)	University of Hyderabad	2004	2006	93.2	University of Hyderabad (Central university)
5.	CSIR NET	CSIR LIFE SCIENCES	2009-2010			CSIR
6	Ph.D.	Acharya Nagarjuna University, Guntur.	2013	2019	-	Acharya Nagarjuna University

4. Previous Professional (Teaching) Experience :

S.No	Institution	From	To	Designation	No.of Years
1	2006-2012: Worked as contract faculty in Biotechnology Department of KVR Government college for women, Kurnool,.	2006	2012	Lecturer	6 Y
2	KVRGDC(W)A Kurnool.	01-01-2013	22-09-2021	Lecturer	8 Y 9 M
3	KVRGDC(W)A Kurnool.	01-06-2017	22-09-2021	Head of the Department	4Y
4	SJGC Kurnool.	23-09-2021	08-08-2023	Head of the Department	1Y9M
5	SJGC Kurnool	23-09-2021	31-05-2022	Lecturer	7M

6	SML GDC Yemmiganur	08-09-2023	Ti ll da te	Head of the Department	
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5. API / ASAR Score for

i) 2021-2022:241

6.Papers and Sections handled (2022-24)

S.No	Course	Medium	Title of the Paper
1	ZOOLOGY/BZC	EM	PAPER-I DIVERSITY OF INVERTEBRATES
2	ZOOLOGY/BZC	EM	PAPER-II DIVERSITY OF CHORDATES
3	ZOOLOGY/BZC	EM	PAPER-III CYTOLOGY GENETICS & MOLECULAR BIOLOGY ,EVOLUTION
4	ZOOLOGY/BZC	EM	PAPER-IV EMBRYOLOGY PHYSIOLOGY BIOMOLECULES ECOLOGY
5	ZOOLOGY/BZC	EM	PAPER-V IMMUNOLOGY,ANIMAL BIOTECHNOLOGY
6	ZOOLOGY/BZC	EM	PAPER-VI LIVE STOCK MANAGE MENT-I
7	ZOOLOGY/BZC	EM	PAPER-VII LIVE STOCK MANAGE MENT-II
8	BIOSTREAM	EM	APPLIED BIOLOGY

7 . Books Authored :

1. **Pathan Shajahan Begum**, Meerza Abdul Razak, *Metabolic engineering: Biotechnological production of amino acids*. LAP Lambert academic publishing (2021-05-28) SBN-13: 978-620-3-87055-8, ISBN-10:203870552, EAN:9786203870558. Published in 2021.
2. **Pathan shajahan begum**, Vakita Venkata Rathnamma. *Probiotics*, LAP Lambert academic publishing. ISBN:6200588503, ISBN-13: 9786200588500. Published in 2020.

Book chapters

1. **Pathan Shajahan Begum**, Senthilkumar Rajagopal, Meerza Abdul Razak, (2021) *Emerging trends in microbial fermentation technologies*, Editor(s): Buddolla Viswanath, *Recent Developments in Applied Microbiology and Biochemistry*, Academic Press, 2021, Pages 113-119, ISBN 9780128214060, <https://doi.org/10.1016/B978-0-12-821406-0.00011-4>.
2. Shubham Singh, Meerza Abdul Razak, Supraj Raja Sangam, Buddolla Viswanath, **Pathan Shajahan Begum**, Senthilkumar Rajagopal. (2018). *The Impact of Functional food and Nutraceuticals in Health*. Section 1; Chapter 2. Pp: 23-48. In: Alexandru Mihai Grumezescu and Alina Maria Holban (Eds). Volume 8: *Therapeutic food (Nutraceuticals)*. Academic Press, Cambridge, USA. ISBN: 9780128115176. Book Series Title: Hand book of Food Bioengineering.
3. Meerza Abdul Razak, **Pathan Shajahan Begum**, Senthilkumar Rajagopal. (2017). *Microbial metabolic engineering: A Key technology to meet global climate and Environmental challenges*. Pp: 249-262. In: subhash J.Bhore and K.Marimuthu. (Eds). *Biotechnology for sustainability-Achievements, Challenges and Perspectives*. AIMST University Publishers, Malaysia. ISBN: 978-967-14475-3-6.
4. Meerza Abdul Razak, **Pathan Shajahan Begum**, Uday Sankar Allam, Aleem Basha Pinjari, Buddolla Viswanath, Senthilkumar Rajagopal, Dowlathabad Muralidhara Rao. (2016). *Nanotechnology based diagnosis and therapeutics for gastrointestinal disorders*. Chapter 6, Pp: 89-102. In: Senthilkumar Rajagopal, Sengottuvelan Murugan and Saravanan Ramachandran (Eds). *Disorders of Gastrointestinal Systems and Clinical manifestations*. Nova Publications, New York, USA. ISBN: 978-1-63485-366-8. Book Series title: Digestive Diseases - Research and Clinical Developments.
5. **Pathan Shajahan Begum**, Meerza Abdul Razak, Senthilkumar Rajagopal. (2021) Influence of amino acids on Autism and Attention deficit hyperactive disorder. Springer Nature Publishers, USA .

8.Proceedings:

1. **Pathan Shajahan Begum**, Senthilkumar Rajagopal, Meerza Abdul Razak. Recent developments of Bioabsorbable Bacterial Polymers in Cancer Therapy. In: Two day seminar on Cancer Biology, Silver jubilee College, Kurnool, AP, (India), December 9-10, 2016, Pp: 22-24; ISBN: 978-93-85101-21-2.
2. Senthilkumar Rajagopal, Meerza Abdul Razak, **Pathan Shajahan Begum**. Expression and function of Bile Acid Receptor TGR5 in enteroendocrine cells. In: Two day seminar on Cancer Biology, Silver jubilee College, Kurnool, AP, (India), December 9-10, 2016. Pp:64-66; ISBN: 978-93-85101-21-2.
3. **Pathan Shajahan Begum**, Senthilkumar Rajagopal, Meerza Abdul Razak. Recent developments of Bioabsorbable Bacterial Polymers in Cancer Therapy. In: Two day seminar on Cancer Biology, Silver jubilee College, Kurnool, AP, (India), December 9-10, 2016, Pp: 22-24; ISBN: 978-93-85101-21-2.

9.Trainings attended:

Attended **CSIR NEIST Summer research training programme in the year 2021 from June to August** on techniques in Animal cell culture, Protein Purification and Analysis, Spectrophotometric Techniques

10.Faculty Development program/ Refresher Course

- Completed one Orientation course and one Refresher course on Women studies at academic staff college University of Hyderabad, Hyderabad.
- Completed 03 FDP organized by CCE and KVR Govt College for Women (A).

11. National / International seminars or Work Shops/Trainings attended

S.No	Year	Faculty Name	Title of the paper	Name of the Journal	ISBN/ISSNNO.
1.	Jul-14	P.ShajahanB egum	Role of microorganisms in bioremediation pg no-286	International E- publication	978-93-84648-32-9
2.	Dec 2014	P.ShajahanB egum	Status of calpains in kainite induced temporal lobe epilepsy. Pg no-01-06	MGBND 2014	978-00-29780-03-9
3.	Jan2 015	P.ShajahanB egum	Dr .Ravuri Bharadwaja a renowned Telugu novelist Philanthropist, Jnanpith award winner. Pg no-285-288	Dr.Ravoori bharadvaja saahitya samalochanam. Winger publications	978-93-85101-04-5
4	Jan 2015	P.ShajahanB egum	White Biotechnology a boon for green chemistry. Pg no-65-66	National seminar on green chemistryParamount publications	978-93-82163-16-9
5	Feb. 2015	P.ShajahanB egum	Role of science and technology education in environment sustainability.	National seminar On innovations in science education:a research oriented approach. Paramount publications	978-93-82163-92-3
6	Feb. 2015	P.ShajahanB egum	Gene therapy: a future hope for curing the myriad of genetic diseases pg no-110-111.	National seminar on New horizons in biotechnology. Paramount publications	978-93-82163-18-3
7	Feb. 2015	P.ShajahanB egum	Haemopoetic stem cells.	National seminar on New horizons in biotechnology Paramount publications.	978-93-82163-18-3
8	Feb 2015	P.ShajahanB egum	Balanced Nutrition and A Stress Free Life . pg no-229-232	National Seminar on “Role of Sports and Nutrition-Its Impact on PersonalityDevelopment” . Paramount publications	978-81-921580-6-8
12	2018	P.ShajahanB egum	Micro algae – Biofuel 84-86	Seminar proceedings GDC Urvakonda.	ISBN:978-93-85101-22-9
15	2019	P.ShajahanB egum	Isolation and characterization of probiotic bacteria from fresh water fishes and evaluation of antiviral activity against WSSV	Proceeding of ALCBS 2019, Nov 2019	978-93-86435-92-7
16	2019	P.ShajahanB egum	Intellectual property rights and research	Paramount publishers15 th feb 2020	978-93-88808-77-4

12. BOS / Member of Academic Bodies:

- 1.KVR Government Degree College for Women (A), Kurnool as member from 2013 to 2017 and 2021 to 2023 for UG and P.G in the Department of Zoology.
2. KVR Government Degree College for Women (A), Kurnool as member from 2017 to 2021 as chairman in the Department of Zoology.
- 3.Osmania College Kurnool as member from 2017 to 2019 in the Department of Zoology.
- 4.Silver Jubilee Govt.College, Kurnool as member from 2021 to 2023 in the Department of Zoology.

13. Paper Setting for other academic bodies:

1. DK Government College for Women (A), Nellore.
2. KVR GCW (A), Kurnool.
3. Siddhartha College of Arts & Science, Vijayawada.
- 4.Govt.Degree College Anantapuram.
- 5.PVKN College,Chittoor
- 6.Yogivemana University-Cuddapah.
- 7.S.V university-Tirupathi.
8. GCW (A), Guntur.
- 9.Osmania College, Kurnool.
- 10.GDC (M)-Cluster University,Kurnool.

14. Paper/Journal Publications:

1. **Pathan Shajahan Begum**, Gujjula Madhavi, Senthilkumar Rajagopal, Buddolla Viswanath, Meerza Abdul Razak, V. Venkataratnamma. (2017) *Probiotics as functional foods: potential effects on human health and neurological diseases*. International Journal of Nutrition, Pharmacology, Neurological Diseases. 2017; 7:23-33. Impact factor: 2.31
2. **Pathan Shajahan Begum**, Meerza Abdul Razak, Senthilkumar Rajagopal, V. Venkataratnamma. (2018) Effect of probiotic bacteria on shrimp pond ecosystem and their influence on growth and survival of *Litopenaeus Vannamei*. International Journal of Scientific Research in Science, Engineering and Technology. 2018; 4(4): 1158-1165. Impact factor – 2.875.
3. **Pathan Shajahan Begum**, Meerza Abdul Razak, Senthilkumar Rajagopal, Vakita Venkataratnamma (2018) *Antiviral effects of probiotic bacteria isolated from fresh*

water fishes against white spot syndrome virus. Journal of Emerging Technologies and Innovative Research (JETIR) Volume 5, Issue 11.

4. Meerza Abdul Razak, B. Viswanath, **Pathan Shajahan Begum**, Senthilkumar Rajagopal. (2017) *Multifarious beneficial effect of non-essential amino acid, glycine: a Review. Special Issue on Dietary Supplements/Antioxidants: Impact on Redox Status in Brain Diseases*. Oxidative Medicine and Cellular Longevity. Vol.2017: Article ID 1716701.1-8. Impact factor: 4.92.
5. Meerza Abdul Razak, Aleem Basha Pinjari, **Pathan Shajahan Begum**, Buddolla Viswanath (2018) *Biotechnological Production of Fungal Biopolymers Chitin and Chitosan: Their Potential Biomedical and Industrial Applications*. Current Biotechnology, Volume 7, issue 3, 2018, [10.2174/221155010566616052711250](https://doi.org/10.2174/221155010566616052711250)
6. Meerza Abdul Razak, **Pathan Shajahan Begum**, Rao DM and Viswanath B (2016) “*Metabolic Engineering to Improve the Activity of Aspartate kinase for Biotechnological Production of L-lysine by Corynebacterium glutamicum ATCC 13032*”. *American Journal of Biochemistry and microbiology* DOI: 10.3923/ajbmb.2016.
7. Meerza Abdul Razak, **Pathan Shajahan Begum**, and Viswanath B (2015). *Neutralizing Antibodies in HIV Treatment*. Current Biotechnology. 5, 1-17 (E-pub ahead of print) DOI: [10.2174/221155010566615112522055](https://doi.org/10.2174/221155010566615112522055).


15. Extension Lectures / Invited Lectures Delivered:


At KVRGDC(W) Ravindra Degree College for Women, GDC men, Kurnool.

16. Any other Curricular/Co-curricular/Extracurricular Activities involved:

1. Acted as RRC Coordinator.
2. Mentor for SWAYAM -NPTEL online certificate ANIMAL PHYSIOLOGY JUL-DEC 2022 by NPTEL- AICTE, coordinator IIT Madras.
3. As Innovation activity Coordinator MoEs INNOVATION CELL Government of India at Silver Jubilee Govt. College Kurnool.


GOOGLE SCHOLAR CITATIONS



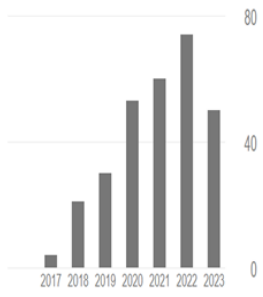
Dr. Pathan Shajahan Begum, Assistant Professor in Zoology 

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 FOLLOWING

	All	Since 2018
Citations	318	288
h-index	5	5
i10-index	3	3



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	CITED BY	YEAR
<input type="checkbox"/> Multifarious beneficial effect of nonessential amino acid, glycine: a review MA Razak, PS Begum, B Viswanath, S Rajagopal <i>Oxidative medicine and cellular longevity</i> 2017	233	2017
<input type="checkbox"/> Probiotics as functional foods: potential effects on human health and its impact on neurological diseases PS Begum, G Madhavi, S Rajagopal, B Viswanath, MA Razak, ... <i>International Journal of Nutrition, Pharmacology, Neurological Diseases</i> 7 (2 ...	55	2017
<input type="checkbox"/> The Impact of Functional food and Nutraceuticals in Health. SR Shubham Singh, Meerza Abdul Razak, Supraj Raja Sangam, Buddolla Viswanath ... <i>Hand book of Food Bioengineering</i> , 8, 23-48	12 [*]	2018
<input type="checkbox"/> Biotechnological production of fungal biopolymers chitin and chitosan: their potential	8	2018

Emerging trends in microbial fermentation technologies PS Begum, S Rajagopal, MA Razak <i>Recent Developments in Applied Microbiology and Biochemistry</i> , 113-119	3	2021		Co-authors
Enhancing the activity of aspartate kinase for an overproduction of L-lysine by corynebacterium glutamicum B Viswanath, S Rajagopal, PA Basha, DM Rao, PS Begum, D Rajakumari, ... <i>Academic Journals Inc.</i>	2	2016		No co-authors
Influence of Amino Acids on Autism and Attention-Deficit Hyperactive Disorder PS Begum, MA Razak, S Rajagopal <i>Proteins Associated with Neurodevelopmental Disorders</i> , 257-276		2022		
Corrigendum to "Multifarious Beneficial Effect of Nonessential Amino Acid, Glycine: A Review" MA Razak, PS Begum, B Viswanath, S Rajagopal <i>Oxidative Medicine and Cellular Longevity</i> 2022		2022		
and Senthilkumar Rajagopal MA Razak, PS Begum, B Viswanath		2022		
Multifarious Beneficial Effect of Nonessential Amino Acid, Glycine: A Review (vol 2017, 1716701, 2017) MA Razak, PS Begum, B Viswanath, S Rajagopal HINDAWI LTD		2022		
ANTIVIRAL EFFECTS OF PROBIOTIC BACTERIA ISOLATED FROM FRESH WATER FISHES AGAINST WHITE SPOT SYNDROME VIRUS VV Pathan Shajahan Begum, Meerza Abdul Razak, Senthilkumar Rajagopal <i>Journal of Emerging Technologies and Innovative Research</i> 5 (11), 76-91		2018		