CURRICULUM VITAE

Name: Dr. Shaikh Nasrul Islam
Designation: Senior Scientist Biotechnology
Place of work: All Vet Diagnostic Solutions Pvt. Ltd, Delhi, India.
Permanent Address: - Dr. Shaikh Nasrul Islam S/O Sh. Nozrul Haque. Ward Number 6, Civil Line Road, P.O. Qadian, Teh: - Batala. Pin. No: -143516, Gurdaspur, Punjab, India.
Qualification: MSc, M.Phil. (Zoology), PhD. (Biotechnology)
Email: shaikhnasrulislam@gmail.com Sknasir.sesearch@gmail.com

Personal Specification:
Father's Name: Nozrul Haque
Languages Proficiency: English, Hindi, Bengali, Punjabi and Urdu.
Marital Status: Married
DOB: August17, 1993
Nationality: INDIAN
Personality and Traits: Independent, Ambitious, Able to Follow Deadlines, Good Communication and Interpersonal Skills, Hardworking, Great Adaptability

OBJECTIVE: *A challenging position in scientific organization where I can exchange my skills and Strength in conjunctions with company/institutional goal and objectives.*

EDUCATIONAL QUALIFICATIONS

Examination	Division/ Grade	% of marks/ O.G.P.A.	Year of passing	Subject(s) with Major field of specialization	Institution/Board / University	Rank/Medal/Award, if any
Matriculation	First	78%	2008	Mathematics, Social Studies, Science, English, Hindi	Taleem ul Islam school, Qadian	-
Intermediate	Second	58%	2010	Biology, Physics, Chemistry & English	Baring Christian collegiate school, Batala	-
Bachelor's Degree	Second	54%	2013	Zoology, Botany, Chemistry, English, Punjabi, Environmental Science	Baring Christian College, Batala	-
Master's Degree	First	8.12/10	2015	**Zoology** Optional Subject: **Biotechnology**	Lovely professional University, Jalandhar	
2nd Master Degree **(M. Phil)**	First	8.39/10	2017	**Zoology** Optional Subject: **Biotechnology**	Lovely professional University, Jalandhar	Departmental topper
Doctorate Degree	First	7.99/10	2021	**Biotechnology** **Minor:** Vet. Microbiology	GADVASU, Punjab	University Fellowship

RESEARCH AND TEACHING EXPERIENCE

- **Senior Scientist Biotechnology: Novemver, 15,2021 to till date**

  Working as Senior Scientist in All Vet Diagnostic Solutions PVT LTD, India, where I am leading a group of scientists developing a Multiplex Polymerase Chain Reaction based detection of Tick Borne Canine Haematozoan Diseases kit that can detect more than 7 parasites at one time. Further my duties include development of molecular departments in 7+ branches of the company throughout the India.

- **Project Associate: 7 Months**

  Working as a Project Associate in Department of Veterinary Parasitology (Guru Angad Dev Veterinary and Animal Sciences University Ludhiana, India) under Dr. Harkirat Singh, Associate Professor, in very interesting project entitled, "***Multiplex Polymerase Chain Reaction based detection of Tick-Borne Canine Haematozoan Diseases*"** (March, 2021- On going). The techniques learned includes- **DNA isolation** from blood samples**, plasmid isolation, cloning, colony PCR, Plasmid PCR, Multiplex Quantitative Real-Time PCR and conventional multiplex PCR, PCR product purification and gel purification.**

- Earned PhD after successful submission of thesis entitled "***A study on pulmonary expression of genes in response to chlorpyriphos, cypermethrin and their mixture*"** under supervision of Dr. RS Sethi, Professor and Head, Department of Animal Biotechnology, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, India. The thesis work involved investigation of differential transcriptional profiling via **microarray study** to identify the candidate genes through **bioinformatic analysis** associated with lung injury following exposure to chlorpyrifos and/or cypermethrin in a mouse model. The identified genes were then validated through q-RT PCR, Immunohistochemistry and Sandwich ELISA. Furthermore, the mRNA expression profile of 84 genes directly or potentially associated to mouse cancer pathway were explored and analyzed using bioinformatic **tools** to determine their role during lung damage in all treatment groups.
- Did one and half year research during M.Phil. Dissertation entitled "***Evaluation of antioxidant and biological action of unfermented, partially fermented and fully fermented tea*"** under supervision of Dr. Amit Sehgal, Assistant Professor, Department of Bioengineering and Biosciences, Lovely Professional University, Jalandhar, India.
- Did six months research during M. Sc. Dissertation entitled "***Preclinical evaluation of anti-cataract and anti-urolithiatic activity unfermented, partially fermented and fully fermented tea***" under supervision of Dr. Amit Sehgal, Assistant Professor, Department of Bioengineering and Biosciences, Lovely Professional University, Jalandhar, India.
- Worked as teaching assistant (Biotechnology) in Department of Bioengineering and Biosciences lovely professional university (LPU), from period of 5-8-16 to 25-12-2017.

RESEARCH EXPERTISE

Techniques/ Technology well versed with:

i. **Pathology Techniques**: Different staining methods, Histopathology, Immuno-histochemistry (IHC), Clinical parameter estimation, Hematology etc.
ii. **Biochemical Techniques: Phytochemical evaluation (**TPC & TFC test), Protein estimation test, Antioxidant evaluation assays (DPPH, ABTS and NO assays etc.)
iii. **Microbiology Techniques**: Bacterial isolation, Media Preparation, Pouring and Plating, Colonies isolation through streaking, Identification of bacterial culture and staining procedures.
iv. **Laboratory animal handling**: Experienced in handling small (Rat and Mouse) and domestic livestock including blood collection, measuring normal parameters.
v. **Molecular, Serological and immunological techniques:** PCR & q-RT-PCR (Single and Multiplex), ELISA, SDS-PAGE, Western blot, Extraction of DNA (Plant/Animal tissues/blood), RNA and plasmid by conventional as well as by kit method.
vi. **Genetic Engineering work:** Cloning of animal cell culture studies etc.
vii. **Bioinformatics Analysis:** Tools like BLAST, DAVID, Panther, Cytospace, String PPI, PRISM and Mega software's.
viii. **Statistical Analysis:** SPSS, Image J and Prism Graphpad.
ix. **Technical software:** Microsoft (word, Excel, PowerPoint), Adobe Photoshop, adobe premiere pro, escape and all other technical software's and operative systems such as Ubuntu, black hat, Windows and IOS etc.
x. **Computer language:** Basic Coding (PHP and HTML),

Awards/Fellowships/Scholarships:

S. No.	Fellowships/Grants	Awarding Body	Year
1.	American Association of Veterinary Anatomists Travel Award (AAVA), Banff, Canada	University of Calgary	2018
2.	Merit Scholarship, Department of Animal Biotechnology	GADVASU	2017-

Academic Excellence/Prizes:

S. No.	Academic prize	Awarding Body	Year
1	Young Researcher Award	Institute of scholars, Karnataka,	2020
2	Best poster presentation Award	AAVA/ University of Calgary	2018
3	Best Article Award, December Issue, 2020	Agriculture and Food e Newsletter	2020
5	Best Article Award, January Issue, 2021	Agriculture and Food e Newsletter	2021
4	Innovative Article Award	Agriculture and Food e Newsletter	2021

PUBLICATIONS:

Full length papers

S.No.	Publication	Impact factor (IF)/Journal Impact factor(JIF)/NAAS	Citation
1	**Nasrul I Shaikh** & RS Sethi. Dysregulation of apoptosis pathway via Apaf1 downregulation during chlorpyrifos and/or cypermethrin induced lung damage. Animal Biotechnology**,** *Taylor and Francis.* https://doi.org/10.1080/10495398.2021.1981918 .	**2.28 IF**	**2**
2.	**Islam SN**, Farooq S, Sehgal A. Effect of consecutive steeping on antioxidant potential of green, oolong and black tea. International Journal of Food Science & Technology. 2018 Jan; 53(1):182-7. https://doi.org/10.1111/ijfs.13572	**2.77 IF**	**16**
3.	**Nasrul SI**, Sehgal A. Antilithogenic potential of green tea, oolong tea, and black tea. Pharmacognosy Research. 2020 Jan 1;12(1):92. https://dx.doi.org/10.4103/pr.pr_67_19	**0.98 IF**	**2**
4	**Nasrul I. Shaikh** and RS Sethi. . Differential gene expression profile of mice lung following chronic dietary exposure to chlorpyrifos and/or cypermethrin. *Journal of Entomology Zoology Studies*, 2021; 9(1): 140-145. https://doi.org/10.22271/j.ento.2021.v9.i1b.8139	**5.53 NAAS**	**2**
5.	**Shaikh I. Nasrul***, Amit Sehgal, srishti prashar "Anticataract activity of green, oolong and black tea", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.834- 837	**5.75 JIF**	**00**
6.	Srishti Prashar, Parminder Kaur, Prakriti Sharma, Arshida Khatun and **Shaikh I. Nasrul*.** 2020. Comparative Antioxidant Properties Of Mimosa pudica, Vachellia nilotica, Leucas aspera Phyllanthus niruri, Hemidesmus indicus and Adhatoda vasica. *International journal of current micobiology and applied sciences.* **https://doi.org/10.20546/ijcmas.2020.912.100**	**5.35 NAAS**	**00**

*National Academy of Agricultural Sciences Ratings

Review Papers Published

S.No.	Publication	Impact factor (IF)/Journal Impact factor(JIF)/NAAS	Citation
1	**Shaikh I. Nasrul**, Amit Sehgal, "Green Tea Potential for Prevention and Management Of Kidney Stones", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.834-837	**5.75 JIF**	**0**
2	**Nasrul I Shaikh***, RS Sethi. Exposure to chlorpyrifos and cypermethrin alone or in combination induces developmental abnormalities and lung damage in animal models: A review. *Journal of Entomology Zoology Studies*, 2020;8(5):1923-1928. **https://doi.org/10.22271/j.ento.2020.v8.i5aa.7769**	**5.53 NAAS**	6

Abstracts published in conferences/ compendium:

1.	**Shaikh Nasrul Islam, RS Sethi** and Baljit Singh. 2019. Pulmonary expression of genes in response to exposure to chlorpyriphos and cypermethrin.*Anatomia, Histologia,Embryologia*. **48(1):** pp 18	**0.697 (IF)**
2.	**Nasrul I Shaikh**, Sethi RS, Mukhopadhyay CS, sodhi SS, Ramneek. Chronic dietary exposures of chlorpyriphos and cypermethrin dysregulate apoptosis pathway in mouse lung. Proceedings international e- conference on "*Immunology in 21st Century for Improvising One Health*.2020, pp.146	**e-book with ISSN**
3.	**Nasrul I Shaikh**, sodhi SS, Mukhopadhyay CS and Sethi RS. "Chronic exposure to chlorpyrifos and/or cypermethrin dysregulate oxidative phosphorylation" Journal of immunology and immunopathology.	**e-book with ISSN**

Published Popular Articles:

1	**Nasrul I Shaikh**.2020. Apis mellifera. *Guldasta waqfe Nau*. July-October edition, pp.26-29.
2.	**Nasrul I Shaikh.2020**. Pesticide and respiratory health of farmers. *Indian Farmer*. November edition, pp.1063-67
3.	**Nasrul I Shaikh**.2020. Pesticide usage and its impacts on biodiversity. Food and agriculture e newsletter. December edition. Pp.501-503
4.	Srishti Prashar, **Nasrul I. Shaikh**, Prakriti Sharma, SS Sodhi and RS Sethi Common Routes of Pesticides Exposure and its Protective Measures. Food and agriculture e newsletter. December edition. Pp.456-58
5.	**Nasrul I. Shaikh**, Srishti Prashar, RS Sethi, and Divya Jain., 2020. Apis mellifera: an intelligent flying insect. Krishi Pravah, 1 (1): 34-38.
6.	Prakriti sharma, Srishti Prashar, **Nasrul I shaikh**, SS Sodhi and RS Sethi . Pesticide Residues in Food. Food and agriculture e newsletter. February,2021 Pp.556-557
7.	Devendra Saran, **Nasrul I. Shaikh** & Khatun A. 2021. Antioxidant and Kidney stones. *The science world a monthly e magazine*,1(1):26-31 **ÍSSN: 2583-2212**
8.	Manzoorul Hasan & **Nasrul I Shaikh**. 2021. Methods of fish preservation. *The science world a monthly e magazine*, 1(1):10-20. **ÍSSN: 2583-2212**

10.	Devendra Saran, **Nasrul I Shaikh**, Parminder Kaur& Arshida Khatun.2021. How does COVID-19 invade the human body.*The science world a monthly e magazine*,1(2):4-7 **ÍSSN: 2583-2212**
11	Dapinder Singh & **Nasrul I Shaikh**.2021. Save the species: The Royal Bengal Tiger. *The science world a monthly e magazine*, 1(2):103-109. **ÍSSN: 2583-2212**
12	Nasrul I shaikh and Dapinder singh.2022. Photosynthesis.Trends in Agriculture Science.01(01)04-08
13	Cammey Sidhu and Nasrul I shaikh.2022. Respiratory Chain.*Trends in Agriculture Science*.01(01)09-16

Gene Bank Accessions numbers in NCBI*

S. no.	Accession number	Detail
1	**MZ-318674**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K. Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Sangrur_5912, partial sequence
2	**MZ-318676**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Bathinda_3419, partial sequence
3	**MZ-318689**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Faridkot_6893, partial sequence
4	**MZ-318707**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K.Hepatozoon canis 18S ribosomal RNA gene, isolate: Firozpur_6672, partial sequence
5	**MZ-323360**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Sri Muktsar Sahib_6960, partial sequence
6	**MZ-323359**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Sahibzada Ajit Singh Nagar_16173, partial sequence
7	MZ-323362	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S. Hepatozoon canis 18S ribosomal RNA gene, isolate: Patiala_11198, partial sequence
8	**MZ-323361**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K.Hepatozoon canis 18S ribosomal RNA gene, isolate: Jalandhar_11667,partial sequence
9	**MZ-323363**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K.Hepatozoon canis 18S ribosomal RNA gene, isolate: Ludhiana_15711,partial sequence
10	**MZ-323364**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, isolate: Hoshiarpur_8203, partial sequence
11	**MZ-413894**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate:Mansa_6017
12	**MZ-411581**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate: Fazilka_7447
13	**MZ-411573**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K.Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate: Amritsar_3A10
14	**MZ-411572**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S. Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate: Fatehgarh Sahib_FG18
15	**MZ-458102**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S. Hepatozoon canis isolate Barnala_5711 small subunit ribosomal RNA gene, partial sequence
16	**MZ-467327**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S.Hepatozoon canis isolate Moga_M2 small subunit ribosomal RNA gene, partial sequence

7	**MZ-320524**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K. Babesia vogeli small subunit ribosomal RNA gene, partial sequence;internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence,isolate: Ludhiana_10333
18	**MZ-413894**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate:Mansa_6017
19	**MZ-413894**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K. Hepatozoon canis 18S ribosomal RNA gene, partial sequence, isolate: Mansa_6017
20	**MZ-413885**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K.Babesia vogeli isolate Hoshiarpur_10862 small subunit ribosomal RNA gene and internal transcribed spacer 1, partial sequence
21	**MZ-458122**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S. Babesia vogeli isolate Jalandhar_6689 small subunit ribosomal RNA gene and internal transcribed spacer 1, partial sequence

22	**MZ-467325**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S.Babesia vogeli isolate Amritsar_3A8 small subunit ribosomal RNA gene and internal transcribed spacer 1, partial sequence
23	**MZ-321032**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K. Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate: Ludhiana_9167
24	**MZ-321033**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S.Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate: Gurdaspur_9287
25	**MZ-413885**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K., Jyoti,J., Panwar,H. and Singh,N.K.Babesia vogeli isolate Hoshiarpur_10862 small subunit ribosomal RNA gene and internal transcribed spacer 1, partial sequence
26	**MZ-413882**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate: Hoshiarpur_9818
27	**MZ-413881**	Padmaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate:Pathankot_199
28	**MZ-413880**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Sethi,R.S. and Singh,N.K.Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate: Amritsar_6990
29	**MZ-413884**	admaja,M., Thomas,A.M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H. and Singh,N.K. Babesia gibsoni 18S ribosomal RNA gene, partial sequence, isolate:Rupnagar_8847
30	**MZ-457927**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S. Babesia gibsoni isolate Patiala_4529 small subunit ribosomal RNA gene, partial sequence
31	**MZ-467324**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S.Babesia gibsoni isolate Kapurthala_KP5 small subunit ribosomal RNA gene, partial sequence
32	**MZ-467328**	Thomas,A.M., Padmaja,M., Singh,H., **Islam,S.N**., Singh,N.K.,Jyoti,J., Panwar,H., Singh,N.K. and Sethi,R.S.Babesia gibsoni isolate Moga_M10 small subunit ribosomal RNA gene,partial sequence

National Center for Biotechnology Information

Lecture/oral presentation Delivered

Sr. No	Title of presentation	Event	Year
1.	Genetic Engineering and its current implications	National conference of PhD students, Gurdaspur, India	2019
2	Young Scientist Oral presentation "Chronic exposure to chlorpyrifos and/or cypermethrin dysregulate oxidative phosphorylation."	International e-Symposium on Emerging Focus on Immunology in Augmenting Animal & Human Health	2021

Seminars/ Symposia/Workshops attended:

S.No.	Title of Seminars/ Symposia/Course/Workshop	Place of Seminars/ Symposia/Course/Workshop	Year
1.	International conference of American association of veterinary anatomists, Calgary, Banff, Canada.	Calgary, Banff, Canada	29 June-1 July
2.	International Workshop: Environmental toxicology	GADVASU & University of Saskatchewan	July 2018

3.	International conference on research methodology	College of Veterinary Science, GADVASU	November 2019
4.	International e conference on immunology in 21st century for improvising one health	Society of immunology and immunopathology, India	7-8 august 2020
5.	National Conference on Islam, Rationality and knowledge: contemporary discourse and challenges	Department of Education, Ahmadiyya community India, Punjab, India	4-5 March 2020
6.	Webinar on Microbiome, Immunity and vaccine	Indian Association of veterinary microbiologist, immunologist and specialist in infectious disease	30 August 2020
7.	Training on biotechnological approaches in animal research and disease diagnosis	Department of Animal Biotechnology, Guru Angad dev Veterinary and Animal Sciences University	1-12 February 2021
8.	International e-Symposium on Emerging Focus on Immunology in Augmenting Animal & Human Health	Department of Animal Biotechnology, Guru Angad dev Veterinary and Animal Sciences University	19-20 February 2021

Reviewer and memberships:

S. No.	Reviewer and memberships	Journal/society	Since
1.	Additional Editor in Chief	The Science World a monthly e magazine	2021
2	Additional Editor In chief	Trends In Agriculture Science	2022
3	Additional Editor In chief	Journal of veterinary Reviews	
4	Reviewer	American Journal of Biochemistry and Biotechnology ISSN: 1553-3468 (Print), Science Publications,IF: 0.33	2021
5	Reviewer	Biointerface Research in Applied Chemistry, ISSN: 2069-5837, IF:1.949	2021
6	Reviewer	International Journal of Research and Analytical Reviews (IJRAR)	2020
7	Reviewer	INSC. International Journal of basic and applied sciences	2020
8	Reviewer	Veterinary World	2022
8	Life time member	Institute of Scholars, Karnataka	2020
9	Life time member	Society for Immunology &Immunopathology	2020

Farmer's Consultancy/ Advisory Service/ Scientific Interaction etc.

S. No.	Nature of Consultancy/ Advisory Service/ Interaction	Type of Beneficiaries (Farmers/ Tech. Officers/ Others)	Place/ Duration (Dates)	No. Beneficiaries	Position/ Role of the Applicant
1	Pashupalan Mela – GADVASU, Ludhiana	Farmers & Technical officers (Faculties of GADVASU & PAU)	23/03/2018 – 24/03/2018	20-30	As a coordinator between farmers (PhD student)
2	Pashupalan Mela – GADVASU, Ludhiana	Farmers & Technical officers (Faculties of GADVASU & PAU)	21/09/2018 – 22/09/2018	20-30	As a coordinator between farmers (PhD student)

Reference Persons:

1. **Dr. RS Sethi** (Ph.D. Supervisor)

Professor and Head, Department of Animal Biotechnology,
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana-141001, Punjab, India
Adjunct Professor
Department of Veterinary Biomedical Sciences, Western College of Veterinary Medicine, University of Saskatchewan, Canada.
Contact No.: +91 9872309908
Email: rs.sethi@yahoo.com

2. Dr. Baljit Singh FCAHS, BVSc &AH, PhD
Vice-President Research, University of Saskatchewan. Tel:+(306) 966-8514, fax :(306) 966-8736,
Email: baljit.singh@usask.ca

3. C. S. Mukhopadhyay, PhD
Senior Scientist,
Fulbright Fellow (FNAPE 2016-17)
Department of Bioinformatics, College of Animal Biotechnology,
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab-141004; India
Mob: +91-9779541452, Email: csmbioinfo@gmail.com
Website: http://bioinformaticssoftwareandtools.co.in/

4. **Yashpal Singh Malik** FIVS, FNABS, FISVIB, FIAVPHS, FIAVMI, FSIIP
Dean, College of Animal Biotechnology, Guru Angad Dev Veterinary and Animal Science University Ludhiana 141004, Punjab
Former-ICAR-National Fellow & Principal Scientist, Indian Veterinary Research Institute (IVRI) Izatnagar 243 122, Bareilly, Uttar Pradesh
Phone: 7500777999, 7618370001
E-mail: malikyps@gmail.com; yashpal.malik@icar.gov.in

DECLARATION

I hereby declare that all the information furnished herein are true and correct to the best of my knowledge and belief.

Dated: 27-08-2021

Shaikh Nasrul Islam