



Dr. S Rehan Ahmad

zoologist.rehan@gmail.com

Research Identification

Academia id : <https://independent.academia.edu/DrSRehanAhmad>

Research gate id : https://www.researchgate.net/profile/S_Ahmad9

Google Scholar : https://scholar.google.com/citations?user=ZsLAZ_EAAAAJ&hl=en&authuser=1

ORCID id : <https://orcid.org/0000-0003-0796-5238>

Publons id : <https://publons.com/researcher/3668417/s-rehan-ahmad/>

Employment

Current Employment

- ✓ Working as an **Assistant Professor** , Dept. of Zoology , H M M College for Women , Dakshineswar, Kolkata since 7th November , 2019 till date
- ✓ Working as an Approved **Academic Counselor** for PG Course at IGNOU since 1st July , 2017 till date

Employment History

- ❖ Worked as an Asst. Teacher in West Bengal Govt-Aided Institution in the capacity of **Education** subject in H/PG scale with effect from 31-12-2013 to 06-11-2019.
- ❖ Worked as an Asst. Teacher in West Bengal Govt-Aided Institution in the capacity of **Biological Science** subject in H/PG scale with effect from 11-07-2011 to 30-12-2013.
- ❖ Worked at Army School Barrackpore , Kolkata as **PGT- Biology** w.e.f 03-11-2009 to 10-07-2011
- ❖ Worked at Army School Barrackpore , Kolkata as **TGT- Biology** w.e.f 01-11-2006 to 02-11-2009

Education

Formal Education

- ✂ **PhD** (Microbiology) from Shri Venkateshwara Univesity , India
- ✂ **M.Sc** (Zoology) from Vinoba Bhave University , Hazaribag , Jharkhand, India with 1st Division
- ✂ **B.Sc** (Honours) Zoology from Vinoba Bhave University , Hazaribag , Jharkhand, India with 1st Division
- ✂ **Higher Secondary (H.S)** from West Bengal Council of Secondary Education with 2nd Division .
- ✂ **Board Exam** from West Bengal Board of Secondary Education with 2nd Division .

Non-Formal Education

- ✂ **M.Sc** (Microbiology) from Periyar University, Salem , Tamil Nadu with First Class
- ✂ **MA** (Education) from Sam Higginbottom University Agriculture , Technology and Science , Allahabad , U.P , India with First Division
- ✂ (**PGDEMA**) Post-Graduate Diploma in Educational Management and Administration from IGNOU , New Delhi , India with First Division

Professional Education

- ✂ **Bachelor of Education** (B.Ed) from (**David Hare Teachers Training College – Kolkata**) University of Calcutta , India with First Class

Post – Doctoral Experience

- ❖ After completion of PhD, I have been working mostly by myself, in collaboration with Shri Venkateshwara University , U.P , India and Dept. of Microbiology , Bidhannagar College , Salt lake , Kolkata on different project since July , 2016 till date and remain actively engaged in publication of research papers in journal of National and International repute .

Minor Project

- I. Diversity of Insect Fauna in Tea Garden Ecosystem of North Bengal , West Bengal ,India sponsored by Padma Estate Pvt. Ltd , Kolkata in the year 2016 .
- II. Ethno botanical work on certain Medicinal Plants of Northeast states to the check the efficacy of same for Ant malarial activity , sponsored by SFA Enterprises , New Delhi , India , in the year 2017 .

Major Project

Not yet any

Area of Interest

- ✓ Clinical Microbiology
- ✓ Industrial Microbiology
- ✓ Microbial Biotechnology
- ✓ Molecular Biology of Animals
- ✓ Environmental Biotechnology
- ✓ Artificial Intelligence for Biological Application
- ✓ Medicinal Plants

List of Publications

List of Publications in Scientific Field

- ✓ **Ahmad S Rehan** and Kalam A . Study of Diversity in East Kolkata Wetland with Special Reference to Fungi . *Biosciences Biotechnology Research Asia*. (2017). Vol. 14 (2). ISSN 2456-2602 **UGC listed in 2017 , Scopus**
- ✓ **Ahmad S Rehan**, Kalam A and Pal K . In Vitro Antioxidant properties of *Chlorophytum borivilianum* (Santapau & Fernandez). *World Journal of Pharmacy and Pharmaceutical Science*. (2014). 3(12): 937-947, ISSN 2278-4357
- ✓ **Ahmad S Rehan**, Kalam A and Pal K. Analysis of Anthelmintic Activity of *Chlorophytum borivilianum* Santapau and Fernandez against Earthworm (*Eisenia fetida*) . *International Journal of Scientific and Engineering Research*. (2014). 5(6):203-207. ISSN 2229-5518
- ✓ **Ahmad S Rehan**, Kalam A and Pal K. Phytochemical Analysis and Antimicrobial Activity of *Chlorophytum borivilianum* against Bacterial Pathogens causing disease in Human. *International Journal of Current Microbiology and Applied Science*. (2014) .3(6):634-640. ISSN 2319-7706
- ✓ **Ahmad S Rehan**, Kalam A and Pal K . Analysis of Anthelmintic Activity of *Chlorophytum borivilianum* Santapau and Fernandez against Earthworm (*Eisenia fetida*). *Research and Review: Journal of Zoological Science*. (2014).Volume 2, Issue 4, October-December. ISSN 2321-6190
- ✓ Kalam A and **Ahmad S Rehan**. Hexaconazole biodegradation by soil isolate and its dehydrogenase study. *Innovation in Pharmaceuticals and Pharmacotherapy*. (2014). 2(4):491-496. ISSN 2321-323X
- ✓ Kalam A, **Ahmad S Rehan**. A Review Article on “An Outlook of “Vermicomposting and Its Scope in Future” 2016 *Journal of Chemical, Biological and Physical Sciences*. (2017). Volume 7, Issue 1: Nov. 2016 to Jan. ISSN (e) 2249-1929 **UGC Listed in 2017**
- ✓ Kalam A, **Ahmad S Rehan** . Uses of Bio-preservative with special reference to Bacteriocin to the control the Food Spoilage Biologically. *World Journal of Pharmacy and Pharmaceutical Science*. (2016). Vol.(5), Issue 9 : 1936-1953 . ISSN 2278-4357.
- ✓ Tamang M, Pal K, Rai S , Kalam A and **Ahmad S Rehan** . Ethnobotany Survey of threatened medicinal plants of West Sikkim. *International Journal of Botany Studies*. *International Journal of Botany Studies*. (2017).Volume 2, Issue 6, Nov.; page no 116-125. ISSN 2455-541X **UGC Listed in 2017**

List of Publications in Educational Field

- ✓ **Ahmad S Rehan**, Behera A & Nisa M. A Comparative Study of Impact of “No Detention Policy” on Different School Boards in West Bengal. *The International Journal of Indian Psychology*. (2016). Volume 3, Issue 4, No. -96, July-sep. ISSN 2348-5396 (e) ; 2349-3429 (p) DIP: 18.01.198/20160304 DOI: 10.25215/0304.198 **UGC Listed 2016**
- ✓ **Ahmad S Rehan** & Nisa M. The significance of Educational Technology in Teaching and Learning Process. 2016 *The International Journal of Indian Psychology*, (2016). Volume 4, Issue 1, No. 79, November. ISSN 2348-5396 (e) ; 2349-3429 (p) DIP: 18.01.097/20160401 DOI: 10.25215/0401.097 **UGC Listed 2016**
- ✓ **Ahmad S Rehan**, Saba T Pros and Cons: Two Year B.Ed. Programme for In-service Teachers on deputation basis instead of ODL mode BEd with special reference to West Bengal (India). *International Education Research Journal*. (2016). Volume 2, Issue 11, p24-25, November 2016. ISSN 2454-9916 (e) **UGC Listed 2016**
- ✓ **Ahmad S Rehan** & Nisa M. Privatization of Higher Education in India: A positive step. *International Journal of Academics Research and Development*. (2017). Volume 2 Issue 3, May; Page no. 175-177. ISSN 2455-4197 **UGC Listed 2017**
- ✓ Chakraborty R, Tarafdar M & **Ahmad S Rehan** . A review article on No Detention Policy and its Impact on different School Boards in West Bengal. *International Journal of Advanced Education and Research*. (2017). Volume 2, Issue 3, May; page no .159-161. ISSN 2455-5746 **UGC Listed 2017**
- ✓ Nisa M, Chell M & **Ahmad S Rehan** . Preparing Academic Institutions for Inclusive Education for the Empowerment of Children with Special Need (CSWN), *International Journal of Multidisciplinary Research and Development*. (2017). Volume 4, Issue 6, June ; Page no. 298-300. ISSN 2349-4182 **UGC Listed 2017**
- ✓ Nisa M, Chell M & **Ahmad S Rehan**. An Experiment on Children with special Needs (CSWN) to check the effect of exclusive approach on reading , writing and arithmetic skills *International Journal of Indian Psychology and Development*.(2017).Volume 4 ,Issue 3,Apil- June . ISSN 2348-5396 (e) ; 2349-3429 (p) DIP: 18.01.146/20170403 DOI:10.25215/0403.146 **UGC List 2017**
- ✓ Saba T, Chell M & **Ahmad S Rehan** Education as a powerful weapon for Empowering Muslim Women in West Bengal. *International Journal of Advanced Educational Research*. (2017). Volume 2, Issue 3, May; Page no. 43-45. ISSN 2455-6 **UGC List 2017**

Abstract :

Ahmad S Rehan . Biofloc Technology (BFT): A natural tool of Bioremediation to clean the lentic water environment and cost effective novel technology for Fish Industry . International Symposium on Environment and Climate Crises St. Xavier’s College (Autonomous) , Kolkata 20th December , 2019 . p 11.

Ahmad S Rehan . Impact of Integration of Inclusive Education and Information and Communication Technology on Learning process of a Child with Down Syndrome . Two Days International Conference on Down Syndrome Research - Indian Initiative in Global Perspective , University of Calcutta ; Trisomy 21 Research Society , Netherlands ; The Zoological Society , Kolkata . 11th -12th February , 2020 .p 38 .

Ahmad S Rehan , Paul U.S , Hasan Md Nurul . Artificial Intelligence : Use in Clinical and Genomic diagnostics National Seminar on Diversity in the Era of Globalization . Department of Higher Education , Govt. of West Bengal & Department of Science & Technology and Biotechnology , Govt. of West Bengal . 22nd -23rd February , 2020 .p 74

Ahmad S Rehan The impact of Novel Coronavirus on education and on the well-being of students , parents, and teachers : Challenges related to Blended & Flipped learning and opportunities to provide better quality of Education . International Webinar on Effective Scientific and Technological Approach in Combating COVID -19 across the World , conducted by Hiralal Mazumdar Memorial College for Women , Kolkata on 25th -27th June , 2020

Dissertation supervised at PG level for the course M.Sc (DFSM) . IGNOU , New Delhi

- I. A comparison : Eating pattern of Junk Food by Girls and Boys at Secondary School level in Bankura , Hooghly and Medinipur Dist. , West Bengal
- II. Comparative Study of Consumption of Junk Food by Boys & Girls at Secondary level in Schools in Howrah , Kolkata and North 24 Paraganas Dist. West Bengal
- III. Comparative Study dealing with the Consumption pattern of Junk Food by Boys & Girls at Secondary level in Schools in Murshidabad , Malda and Birbhum Dist. West Bengal
- IV. A Study on Effectiveness of *Asparagus racemosus* (shatavari) on breastfeeding mother.
- V. Impact of *Asparagus racemosus* (shatavari) as Galactagogue .

- VI. A Study on efficacy of beneficial effect of *Asparagus racemosus* (Shatavari) as galactagogue.
- VII. A comparative study on Impact of Vitamin B12 on Cognitive Development of Class IV students , Panchala , Howrah .
- VIII. A survey on food habit of some selected Indian Hindu and Bangladeshi Muslim families and its impact on their health .
- IX. A Study about efficacy of Vitamin C and Zinc on the immune system of Children of **The Calcutta Orphanage** during Covid-19 Pandemic 2020 , Kolkata , West Bengal
- X. Vitamin C and Zinc Supplements : Impact on Immune system of Children of **Calcutta Muslim Orphanage** during Covid-19 Pandemic 2020 , Kolkata , West Bengal
- XI. Impact of Vitamin C and Zinc on boosting Immune system of Children of **Missionaries of Charity Premdan** during Covid-19 Pandemic 2020 , Kolkata , West Bengal
- XII. Impact of Genetic Modified Food on Biodiversity .

Books and Monograph

- ✳ Life Science for Class – X for West Bengal Board Students. Ata Publication
- ✳ An Introduction to Western Philosophies of Education (ISBN 978-93-85908-67-5). Purushottam Publisher , Kolkata , West Bengal , India

Reviewer & Editor

- 🔗 Reviewer at ATA Publication , Kolkata , West Bengal , India
- 🔗 Reviewer at Simika Publication , Kolkata , West Bengal , India

Professional Membership

- ⌘ Life Time Member of “ The Indian Science Congress Association ” , Kolkata , India
- ⌘ Life Time Member of “ Social Environmental and Biological Association (SEBA) ” , India
- ⌘ Life Time Member of “ The Zoological Society of India ” , Kolkata , India
- ⌘ Member of “ The International society of Zoological Science ” , China
- ⌘ Member of “ International Society of Environmental Information Sciences ” , Canada
- ⌘ Member of “ International Society for Infectious Diseases ” , Brookline

Techniques and Experimental Expertise Biological Skills

- 🔗 Efficiency in Carrying out basic technique such as plant tissue culture , maintain of microbial culture
- 🔗 Animal cell culture and fermentation
- 🔗 Paper Chromatography , Column and TLC
- 🔗 Microbial assay of Antibiotics , Microbial Identification , Isolation , (Serotyping , Serotyping , Toxicity , Potency of D.P.T ., Sterility test , Pyrogen and Anti Rabies Vaccine) . U.V / Visible Spectrophotometer, Infrared Spectrophotometry, Colorimetry , Fluorimetry , Turbidimetry .
- 🔗 Isolation of plasmid and genomic DNA , Protein Isolation .
- 🔗 Centrifugation, Electrophoresis (SDS –PAGE) and Agrose Gel Electrophoresis , Immunological Technique .

Information and Communication Technology (ICT) Skills

- 🔗 Office Package : MS-Office
- 🔗 Operating System : Windows X P, 03, 07, 08, 10 & Linux
- 🔗 Net Surfing : Expertise in using all web browser

Conference , Seminar , Symposium & Workshop attended

- ✿ Attended one National Seminar on *Environmental Pollution and Conservation of Natural Resources* on 20 March , 2014 sponsored by Mega Research and Consultancy Pvt. Ltd & presented the paper on “ In vitro Antioxidant Properties of *Chlorophytum boriviliunum* (Satapau & Fernandez)” .
- ✿ Attended one National Seminar on *Bacterial Pathogens and Food Safety* on 10th January , 2015 sponsored by Mega Research and Consultancy Pvt. Ltd & presented paper on “Phytochemical Analysis and Antimicrobial Activity of *Chlorophytum boriviliunum* against bacterial pathogens causing disease in human” .
- ✿ Attended One day International Symposium on *Environment & Climate Crises* organized by St. Xavier College Kolkata in collaboration with The Blue and The Biome on 20th December, 2019 , presented poster on “ A natural tool of Bioremediation to clean the lentic water environment and cost effective nova Technology for Fish Industry “ .
- ✿ Attended Two Day International Conference on *Down Syndrome Research – Indian Initiative in Global Perspective* –sponsored by in collaboration with Zoological Society , Kolkata , University of Calcutta and t21 Research Society , presented paper on “ Impact of Integration of Inclusive Education and Information and Communication Technology on learning process of a child with Down Syndrome “ .
- ✿ Attended Two Days National Seminar on *Diversity in the Era of Globalization Challenges and Management* sponsored by Dept. of Higher Education , Govt. of West Bengal and Dept. of Science and Technology and Biotechnology , Govt. of West Bengal on 22nd and 23rd February , 2020 , presented poster on “ Artificial Intelligence : Use in Clinical and Genomics Diagnostics “ .
- ✿ Attended Three Days International Webinar on Effective Scientific and Technological Approach in Combating COVID -19 across the World , conducted by Hiralal Mazumdar Memorial College for Women , Kolkata on 25th -27th June , 2020 .
- ✿ Participated in more than 60 different Webinars since 25th March 2020 till now

Orientation & Refresher courses conducted by HRDC - UGC , Indian Universities

- I. Orientation programme attended , conducted by HRDC –UGC , Mizoram University for 21 days from 28th July ,2020 to 17th August , 2020 and awarded with Grade – A

Administrative Experience

- I. Organised Three days International Webinar on 25th -27th June , 2020 as Joint – Secretary and Webinar Coordinator .

Awards / Honors / Achievements

- ❖ Qualified in NVS Exam for PGT-Biology in the year 2008
- ❖ Qualified in CSB Exam conducted by Indian Army (AWES) , Delhi Hd. Qtr. in the year 2008 for TGT Biology
- ❖ Qualified in CSB Exam conducted by Indian Army (AWES), Delhi Hd. Qtr. in the year 2009 for PGT Biology
- ❖ Qualified in West Bengal School Service Commission for Assistant Teacher (H/PG) post for Biological Science subject in the year 2011 .
- ❖ Qualified in The West Bengal MSC for Assistant Teacher (H/PG) post for Education subject in the year 2013.
- ❖ Qualified in The West Bengal College Service Commission in the year 2019



(Dr. S Rehan Ahmad)