

Resume



- 1. Name:** Dr. Tarang Kumar Shah
2. Father Name: Kirit Shah
3. Mother Name: Sharda Shah
4. Contact Details: Village- Sallopat Tehsil- Gangartalai District- Banswara (Rajasthan)
5. Contact Number: +919828654878
6. E-mail address: kunnushah4545@gmail.com

7. Career details:

Class/degree	Board/University	Major subject	Percentage (%)	Year passing
10 th	RBSE,Ajmer	All Subject	61.67	July,2008
12 th	RBSE,Ajmer	Agriculture	78.62	May,2010
B.F.Sc.	MPUAT, Udaipur	Fisheries Science	76.40	June, 2014
M.F.Sc.	MPUAT, Udaipur	Aquaculture	78.20	June,2016
PhD	GBPUAT,Pantnagar	Aquaculture	78.12	Dec,2019

Field of Expertise: Aquaculture, Molecular biology, Disease, Fish genetics
(Published 3 papers related to molecular biology in high impact journal)

8. Awards and Honors

- (A) **Gold Medalist** in UG Programme by Maharana Pratap university of Agriculture & Tech., Udaipur
(B) **Bhamashah Award** given by Maharana mewar Foundation
(C) **Post-Graduate University rank holder Scholarship** given by UGC
(D) Second position earned **The Best poster presentation** in National Conference in Rajkot.
(E) Earned **First Rank** in District in 12th Agriculture science.
(F) **University Merit Scholarship** given by MPUAT, Udaipur in B.F.Sc level.
(G) Qualified **Non SRF-ICAR**

(H) **ASRB- NET** Qualified in Aquaculture Discipline

(I) **Young Scientist Award**

(J) **Best Ph.D Thesis Award** by Agriculture society

(K) **Best poster presentation Award** by Shobhit University.

9. Publication:

9.1 Research Paper

1. Bisht M, Kumar A, **Tarang Kumar Shah** 2020. Effect of Moringa oleifera leaf powder on skin mucosal immune responses and growth performance of guppy, *Poecilia reticulata* (Peter, 1860). Aquaculture Research, 00:1–7. <https://doi.org/10.1111/are.14834>. (Impact factor 2.08)
2. **Tarang Kumar Shah**, Avdhesh Kumar, Ritesh Shantilal Tandel, Debajit Sarma, Raja Aadil H. Bhat (2021). Evaluation of the acute toxicity of Thymus linearis ethanol extract and its effect on the hemato-biochemical and behavioural response of the Golden mahseer, *Tor putitora* (Hamilton, 1923). Environmental Science and Pollution Research, 1-7. <https://doi.org/10.1007/s11356-021-13970-y>. (Impact factor 4.23)
3. **Tarang Kumar Shah**, Ritesh Shantilal Tandel, Avdhesh Kumar, Raja Aadil Hussain Bhatb, Pragyans Dash, Debajit Sarma (2021). Chemical composition, antifungal activity and molecular docking of Himalayan thyme leaf extract (*Thymus linearis*) against fish pathogenic oomycete *Saprolegnia parasitica*. Aquaculture, 543: 1-10. (Impact factor 4.24)
4. Raja Aadil Hussain Bhat, Sabeehah Rehman, Ritesh Shantilal Tandel, Pragyans Dash, Ankita Bhandari, Parvaiz Ahmad Ganie, **Tarang K. Shah**, Kushagra Pant. 2020. Immunomodulatory and Antimicrobial potential of ethanolic extract of Himalayan Myrica esculanta in *Oncorhynchus mykiss*: Molecular modelling with *Aeromonas hydrophila* functional proteins. Aquaculture, 533: 1-10. (Impact factor 4.24)
5. Tandel, R. S., Chanu, K. V., Hussain Bhat, R. A., Dash, P., **Shah, T. K.**, & Thakuria, D. (2021). Morphometric and molecular identification of *Argulus japonicus* (Thiele 1900) in vulnerable Himalayan snow trout, *Schizothorax richardsonii* (Gray 1832). Aquaculture Research, 00, 1–9. <https://doi.org/10.1111/are.15486> (Impact factor 2.08).
6. **Tarang Kumar Shah**, V. P. Saini, M. L. Ojha and B. Raveender, **2017**. Effect of

Temperature on Growth and Survival of Guppy (*Poecilia reticulata*). **J. Exp. Zool. Indi.** **20(1)**, pp. 505-510 (NASS rating 5.53)

7. Bhatt Nakul Askokbhai, Banukumar Sharma and **Tarang kumar Shah**, 2016. Age, Growth and Harvestable Size of *Cirrhinus Mrigala* (Ham.) From The Lake Pichhola, Udaipur, India. **J. Exp. Zool. Indi.** **19(2)**. (NASS rating 5.53)
8. **Tarang Kumar Shah**, VP Saini and ML Ojha, 2017. Influence of water temperature on phenotypic sex ratio of an ornamental fish *Poecilia reticulata*. **Journal of Entomology and Zoology Studies**; **5(3): 1793-1796** (NASS rating 5.58)
9. Ravi Gugulothu, B Raveender, **Tarang Kumar Shah** and B Koteswar, 2017. Abundance and check list of available Conus species in Thoothukudi of southeast coast of India. **Journal of Entomology and Zoology Studies**; **5(4): 16-26**. (NASS rating 5.58)
10. Bhatt Nakul A, Sharma B.K, Shwetanshumala, **Shah Tarang**, 2016. Length-weight relationship and condition factor of *Catla catla* in Lake Pichhola, Udaipur, Rajasthan. **International Journal of Fauna and Biological Studies**; **3(4): 19-23**. (NASS rating 4.00)
11. Sapana Rani Charak, Naresh Kumar Agarwal and **Tarang Kumar Shah**, 2018. An approach for determination of semen quality of golden mahseer (*Tor putitora*) From Central Himalayan. **The Pharma Innovation Journal**; **7(1): 83-86** (NASS rating 5.23)
12. **Tarang Kumar Shah**, Avdhesh Kumar, Ritesh Tandel, Raja Aadil H Bhat and Debajit Sarma, 2019. Identification of functional groups in *Thymus linearis* ethanol leaf extract through Fourier transform infrared spectroscopy (FTIR). **Journal of Pharmacognosy and Phytochemistry**; **8(4): 3013-3015**. (NASS rating 5.02)
13. Ankita Bhandari, Raja Aadil Hussain Bhat, RS Tandel, Pragyans Dash, **Tarang K Shah**, Parvaiz Ahmad Ganie and Debajit Sarma. Investigation of acute toxicity and behavioural changes on *Oncorhynchus mykiss*, Rainbow trout fry in response to ethanolic extract of

Myrica esculenta. *The Pharma Innovation Journal*; **8(6)**: 807-810. (NASS rating 5.02)

9.2 Review Paper

1. **Tarang Kumar Shah**, Iqra nazir, Priyanka Arya and Tanuja Pandey, **2017**. Integrated multi trophic aquaculture (IMTA): An innovation technology for fish farming in India. *International Journal of Fauna and Biological Studies*; **4(1)**: 12-14.
2. Rajinder Kaur and **Tarang Kumar Shah**, **2017**. Role of feed additives in pigmentation of ornamental fishes. *International Journal of Fisheries and Aquatic Studies* **2017**; **5(2)**: **684-686**.
3. Rajinder Kaur and **Tarang Kumar Shah**, **2017**. A review on role of plant waste products on fish growth, health and production. *Journal of Entomology and Zoology Studies* **2017**; **5(3)**: **583-589**.
4. Rajinder Kaur, **Tarang Kumar Shah**, Sarbjeet Kaur and Sapana Rani Charak, **2018**. A review on Genotoxicity in aquatic organisms and environment. *The Pharma Innovation Journal* **2018**; **7(1)**: **353-359**.

9.3 Book

1. **Tarang Kumar Shah**, **2017**. Novel Aquafarming Techniques. **Akinik Publication**, New Delhi ISBN No.978-93-85895-80-7.
2. V.P Saini, S. Varshney, **T K Shah**, U.R. Gurjar, **2018**. Question Bank on Fisheries Science. **Narendra Publication House** ISBN No.978-93-87590-33-5.

9.4 Book Chapter

1. **Tarang Kumar Shah**, Vishal Rathod and Rajinder Kaur, **2018**. A Review: Fish Biodiversity and Its Conservation. *Advances in Biodiversity Conservation for Sustainable*

Development. Parmar Publishers and Distributors. ISBN No. 978-93-84113-90-2

2. **Tarang Kumar Shah**, Vishal Rathod, Ranjeet Singh and Dinesh Mohan, **2018**. A Review Of Cage Culture In Indian Reservoirs: Dream Come Of Blue Revolution. *Sustainable Development for Agriculture and Environment by an International Publisher Anu Books. ISBN NO. 978-81-936088-2-1*
3. Sarbjeet Kaur and **Tarang Kumar Shah**, **2018**. Conservation strategies for aquatic resources. *Recent Advances in Indian Limnology and Fisheries Science.(Acceptance)*
4. Sarbjeet Kaur and **Tarang Kumar Shah**, **2018**. Threats to aquatic biodiversity. *Recent Advances in Indian Limnology and Fisheries Science.(Acceptance)*

9.5 Popular Articles in Fisheries

1. Rajinder kaur and **Tarang Kumar Shah**, (**2017**). Aqua tourism: Novel approach to travel towards the nature. *Aqua star pp. 38-41*
2. Vibha Lohani, Bonika Pant and **Tarang Kumar Shah** (**2017**). Empowering young Indian women through entrepreneurship development: opportunities and constraints. *Aquaculture Asia pp. 12-15*
3. **Tarang Kumar Shah** and Sapana Rani Charak (**2018**). A review of fresh water integrated multi-trophic aquaculture (FIMTA): Catching up on the dream of a blue revolution in India. *Aquaculture Asia pp. 09-11*
4. **Tarang Kumar Shah**, Bhatt Nakul. A. and M.L.Ojha (**2016**) General Biology and Decapsulation of Artemia. *Aqua International pp.56-57*
5. **Tarang Kumar Shah**, V.P.Saini and .M.L.Ojha (**2016**). Biology and Culture Techniques of Mud Crab. *Aqua Star pp. 43-47*
6. Rathod Vishal, **Tarang Kumar Shah**, Ranjeet Singh (**2018**). Various Diseases in *Littopenaeus vennamei*. *Aqua Star pp. 22-25*
7. Bonika Pant, Vibha Lohani, Rajinder Kaur and **Tarang Kumar Shah** (**2017**). Ecological Effects of Aquatic Sedimentation on Freshwater Ecosystems. *Aqua Star pp. 34-38*

8. M. R. Patel, K. H. Vadher, M. L. Ojha and **Tarang Kumar Shah (2016)**. The Cage and Pen Culture Technology Global Perspective. *Aqua Star pp. 42-46*
9. **Tarang Kumar Shah** and Tanuja Pandey (2016). Role of DNA Markers in Aquaculture. *Aqua Star pp. 26-33*
10. Rajinder kaur, **Tarang Kumar Shah** and B. Raveendar (2017). Ocean- At the Verge of Cataclysm. *Aqua Star pp. 37-42*
11. Rathod Vishalbhai Jodhabhai, **Tarang Kumar Shah** and Udai Ram Gurjar (2017). Stunted fish fingerlings: provide good fish production in water scare area. *Aqua Star pp. 44-45*
12. Vibha Lohani, Bonika Pant, Rajinder Kaur and **Tarang Kumar Shah (2017)**. Estuaries of India: The Pivotal Aquatic Ecosystems. *Aqua International pp52-53*
13. **Tarang Kumar Shah**, S.K.Sharma B.K.Sharma and Mihir Patel (2016). Biology Feature and Seed Production of Sandfish. *Aqua Star pp.41-43*
14. **Tarang Kumar Shah**, V.P.Saini and Dr.M.L.Ojha (2016). In India Production Status Of Freshwater Prawn, Hatching Technology And Its Biology. *Aqua International pp 64-64*
15. **Tarang Kumar Shah, S.K.Sharma, B.K.Sharma** and Mihir Patel (2016). Important Live Food Organisms and Their Role in Aquaculture. *Aqua Star pp. 28-31*
16. **Tarang Kumar Shah (2016)**. Biology and Culture Techniques of Mussel. **Aqua star pp. 1-6**
17. **Tarang Kumar Shah** and Tanuja Pandey (2016). Biology and Culture Techniques of Fresh Water Pearl. *Aqua International pp. 48-52*
18. Tarang Kumar Shah, Avdhesh Kumar and Rathod Vishal (2017). Recent Aquaculture techniques used to enhance farmer's income and fish Production in Uttarakhand. *Souvenir Strategy for Enhancing farmers Income in Uttarakhand pp.147-148*
19. Rathod Vishal, Rajesh and Tarang Kumar shah (2017). Partitioned Aquaculture System (PAS): a helpful system for enhancing Farmers income in Uttarakhand. *Souvenir Strategy for Enhancing farmers Income in Uttarakhand pp.144-146*
20. तरंग कुमार शाह ,अवधेश कुमार, रजिंदर कौर तथा रणजीत सिंह (2017). भारत में वैज्ञानिक तरीके से केकड़ा पालन की अनेक तकनीकि विधिया. *नीलीतिमा 52-54*
21. तरंग कुमार शाह, सुबोध कुमार शर्मा, रणजीत सिंह एवं रजिन्दर कौर (2017). राजस्थान में सजावटी मछलियों की स्थिति एवं व्यापार की सम्भावनाएँ. *नीलीतिमा 34-35*

22. तरंग कुमार शाह, विभा लोहनी, बोनिका पंत, रजिन्दर कौर एवं सुबोध कुमार शर्मा (2017). मछली पालने के लिए उपयुक्त जल का निर्धारण. *नीलीतिमा* 40-41.
23. Rajinder Kaur and Tarang Kumar Shah (2018). Organic fish farming: a pioneer approach towards sustainable fish farming. *Indian Farming*, **68(05)**: 34–36
24. तरंग कुमार शाह, अवधेश कुमार, देबोजीत सर्मा, रितेश टंडेल, राजा आदिल और प्रज्ञान दाश, एवं परवीन अहमद गनी (2019). एक्वापोनिक्स: खाद्य उत्पादन की आवश्यकता को पूर्ण करने की तकनीक. *नीलीतिमा* 90-91.

9.6 Abstract

1. **Tarang Kumar Shah**, .M.L.Ojha and M.R Patel (2016). Recent Cage Culture Technique of Pangasius (*Pangasius sutchi*) Farming in Southern Rajasthan. *9th National Level Science Symposium on Recent Trend in Science and Technology*.
2. Priyanka Purbia, M.L.Ojha, **Tarang Kumar Shah** and M.R. Patel (2016). Recently Developed Culture Techniques for Mud Crab in India. *9th National Level Science Symposium on Recent Trend in Science and Technology*.
3. Priyanka Gamati, M.L.Ojha, **Tarang Kumar Shah** and M.R. Patel (2016). Modified Culture Techniques Used On Mussel In India. *9th National Level Science Symposium on Recent Trend in Science and Technology*.
4. Ranjeet Singh, Rathod Vishal, **Tarang Kumar Shah** and Dinesh Mohan (2017). Integrated Aquaculture: A Better Way To Utilize Available Resources. *International Conference on Advance in Agriculture and Biodiversity conservation for sustainable development (ABCD)*.
5. **Tarang Kumar Shah**, Vishal Rathod and Rajinder Kaur, (2017). A Review: Fish Biodiversity and Its Conservation. *International Conference on Advance in Agriculture and Biodiversity conservation for sustainable development (ABCD)*.
6. Vishal Rathod, **Tarang Kumar Shah** and Ranjeet Singh (2017). Aquaponics: As sustainable Fish Production Techniques. *International Conference on Advance in Agriculture and Biodiversity conservation for sustainable development (ABCD)*.

7. **Tarang kumar shah (2017)**. Blue Revaluation Is Next Revolution For Nutritional Security In India. *National Science Day seminar on Science for Social Upliftment and Empowerment*.
8. **Tarang Kumar Shah**, Avdhesh kumar, Ranjeet singh and Dinesh Mohan (2017). A Review of Fresh Water Integrated Multi-Tropic Aquaculture (FIMTA): Catch Up On Dream of Blue Revolution in India. *National seminar on Strategies, Innovation and sustainable management for Enhancing Coldwater Fisheries and Aquaculture*.
9. **Tarang Kumar Shah**, and Ranjeet singh (2017). A Review Of Cage Culture In Indian Reservoirs: Dream Come Of Blue Revolution. **International Seminar on The Himalaya challenge: Towards Interdisciplinary dialogues for sustainability and Development**.

9.7 Conference paper

1. Patel, M.R., M.L.Ojha, K.H.Vadher, **T.K.Shah**, A.H.Ishakani, K.G.Baraiya and R.B.Vala (2016). Integrated Multi-Trophic aquaculture eco-friendly approach: A Review. *National Symposium on Marine Bioresources and Coastal Livelihoods*.

9.8 Pamphlets

1. Ritesh S Tandel, Pragyans Dash, Raja Adil Bhat, Kavya K K, **Tarang Kumar Shah**, and D. Sarma. Saprolegniasis: an oomycetes infection in Rainbow Trout. No. 34
2. Tarang Kumar Shah, Madhu Sharma, Arun Sharma & Daisy rani. Breeding & seed production of Rainbow trout. Serial No 2.
3. Madhu Sharma, Tarang Kumar Shah, & Daisy Rani. Vibhin Ritu mai Machali or Talab Prabhandan. Serial No. 1.

9.9 Training Manual

1. Madhu Sharma, Tarang Kumar Shah & Arun Sharma. Seed production & Grow out Culture of Carps in Mid hill regions of Himachal Pradesh.

10. Training Coordinator:

1. Dr Tarang Kumar Shah, National Fisheries Development Board sponsored 3 Days training on **Seed production & Grow out Culture of Carps in Mid hill regions of Himachal Pradesh**.

11. Reviewer In different Journal:

1. Agriculture, Forestry and Fisheries (AFF) journal
2. Turkish journal of Fisheries and aquatic science
3. Journal of Research in Applied, Natural and Social Sciences
4. International Journal of Research in Applied, Natural and Social Science

12. Membership

1. **Coldwater Fisheries Society of India**

13. Innovative Idea:

1. **Tarang Kumar Shah (2017).** Waste Water Fed Multi-Species Integrated Aquaculture (WMSIA). *University Foundation Week-2017(Innovation Day) by G.B.Pant university of Agriculture and Technology, Pantnagar.*

14. Attend Online Courses/ Computer Courses

1. **Javik Khati and Bharat Ki Sabhgita Javik Pratibhuti Prandali** by IIT Kanpur, Commonwealth of Learning and Technology and Knowledge Management British Columbia, Canada.
2. **Basic of Entrepreneurship Development in Agriculture** by IIT Kanpur, Commonwealth of Learning and Technology and Knowledge Management British Columbia, Canada.
3. **Nutrition, Therapeutics and Health** by IIT Kanpur, Commonwealth of Learning and Technology and Knowledge Management British Columbia, Canada.
4. **Rajasthan State Certification in Information Technology (RS-CIT)** by Rajasthan Knowledge Corporation Limited.
5. RKCL's MS-office 2010 Proficiency certificate by Rajasthan Knowledge Corporation Limited.

15. Training

1. Cyborg cyber forensics and information security awareness session held on 27th/28th Feb.2018 by Alumni Almamaeter advancement association, Pantnagar.

2. Prevention and control of important Coldwater fish diseases and their management held on 06-10 August 2018 by ICAR-DCFR (Under NFDB funded ToT).
3. Breeding and seed production of important Coldwater ornamental fishes held on 23-27 October 2018 by ICAR-DCFR (Under NFDB funded ToT).

16. Attend Conference/Workshop/Symposium/Seminar

1. National seminar on Strategies, Innovation and sustainable management for Enhancing Coldwater Fisheries and Aquaculture.
2. National Symposium on Marine Bioresources and Coastal Livelihoods.
3. National Science Day seminar on Science for Social Upliftment and Empowerment.
4. International Conference on Advance in Agriculture and Biodiversity conservation for sustainable development (ABCD)
5. 9th National Level Science Symposium on Recent Trend in Science and Technology.
6. International Seminar on The Himalaya challenge: Towards Interdisciplinary dialogues for sustainability and Development.
7. National Science Week 2017 workshop on Space Technology.
8. National symposium on coldwater fisheries development in India: innovative approaches and way forward for enhancing hill farmers income.

17. Extra-curricular Activities

1. 2nd prize got in **Chess Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (2011)
2. Participated in **Essay Competition** in university level by GBPUAT, Pantnagar (2017).
3. Participated in **Table tennis(Men) Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (2015)
4. 1st prize got in **Table tennis(Men) Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (2012)
5. Participated in **Cricket Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (2012)
6. 2nd prize got in Badminton **Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (2012)

7. Participated in **Cricket Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (**2013**)
8. 1st prize got in **Table tennis(Men) Competition** in inter class given by College of Fisheries, MPUAT, Udaipur (**2011**)
9. 1st Position in the class certificated given by College of Fisheries, MPUAT, Udaipur (**2011**)
10. 1st Position in the class certificated given by College of Fisheries, MPUAT, Udaipur (**2012**)
11. 1st Position in the class certificated given by College of Fisheries, MPUAT, Udaipur (**2013**)

18. Experience

1. Assistant Professor- 28 December, 2021 to till date

(Department of Fisheries, Dr. GC Negi College of veterinary and Animal Science, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur)

2. Guest Faculty: 15 February 2021 to 26 December, 2021

(College of Fisheries, Department of Aquaculture, DVCKV, Durg)

19. Others

1. N.S.S certificate
2. Wing Counsellor In Hostel