

Curriculum Vitae

Dr. Pranav J. Pandya

M.Sc., Ph.D (Zoology)

Asst. Professor (Zoology) and Head,
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Field of Interest

- I have been working with Field ecology where my special interest lies in coastal and Marine ecology, Wetland studies and Wildlife biology. I am keenly interested in knowing about the animal behavior and their interaction with the ecosystem. I have been studying benthic animal and their habitat interactions in intertidal areas of Gujarat.
- Interested in research and academics which I feel is the best combination for growth, constant knowledge upgradation and development. Believing that science has no barriers, I am always open for multidisciplinary research.

➤ Education

Ph. D. (Zoology, M. S. University of Baroda, Vadodara)

M.Sc. (Zoology), M. S. University of Baroda, Special Subject: Biodiversity,
Ornithology and Wildlife biology.

B.Sc. (Zoology), Bhavnagar University,

➤ Present Position & Work profile:

Assistant Professor (Zoology) and Head,
Department of Biology,
Shri R. R. Lalan Govt. College,
Bhuj-370001. (Selection grade: GPSC, GES class-II)

➤ **Earlier work profile:**

Has worked at various level mainly in research from Research fellow, Project Coordinator at Wetlands International South east Asia and as a Scientist at Gujarat Institute of Desert Ecology .

➤ **Research Experience: more than 15 years(10 years post Ph.D)**

➤ **Teaching Experience: (09 years)**

- Teaching at UG level (Zoology), UG Marine Science, & prior PG lectures.

Academic Achievements:

➤ **Medals**

- **Young Scientist award** and Gold medal from **Society of Science and Environment** for best paper presentation, National Conference on Environmental Sciences: Current Status and Emerging Challenges, Udaipur, December 2007.

➤ **Achievements:**

- **SCCS Cambridge University:** Selected for paper presentation at **Student Conference on Conservation Science, Cambridge University, UK. March 2009.**
- **Visited and research exposure at Natural History Museum, London**
- Undergone PADI certified **SCUBA** diving training. (License from USA)

➤ **Services as a Invited Lecture/Resource person:**

1. **Resource Person at National Workshop on Invertebrate Taxonomy,** Department of Zoology, M. S. University of Baroda, Vadodara. 18th – 19th Nov. 2009. (Brachyuran taxonomy).
2. YETI, Baroda chapter. How to have a creative Research: Prospects in Intertidal ecology and crab taxonomy. Dept. of Zoology, M. S. University of Baroda, Vadodara. 23 January 2018
3. **Invited Lecture:** “ Use of IT and Social Media in career Building” under **UDISHA** Life Skills Workshop 2016 at Shri R. R. Lalan College, Bhuj. 03/03/2016
4. **Training of Forest Guards** – Invited lecture
5. **Ph.D course work:** Marine Science – Bhavnagar University, 2020
6. **GSBTM workshops for IIT JAM, Kutch zone.** Since 2019
7. **Expert Talk: Faculty Exchange programme, Govt. Science College, Mandvi**

RESEARCH AND ALLIED ACTIVITIES

- **Ph.D Guide:** 02 students enrolled
- **B.Sc and M.Sc Dissertation:** 03 M.Sc and ~ 20 B.Sc dissertation students guided.
- **Research Publications:**
 1. **Pandya P. J.** and Padate G. S. 2009: Urbanization influence on the status of wetland and avifauna: A short term preliminary study. *Electronic Journal of Environmental Sciences Vol. 2, 5-11.*
 2. **Pandya P. J** and Vachhrajani K. D. 2009. Preying activity and habitat utilization by *Matuta planipes* (Fabricius, 1798). *Pan American Journal of aquatic Sciences.* 4(2). (**Scientific** note with Photograph)
 3. **Pandya P. J.** and Vachhrajani K. D. 2010 : Birds of Mahi River estuary and its ambience, Gujarat, India. *J Threatened Taxa* 2: 994-1000 (ISSN 0974-7907).
 4. **Pandya P. J.** and Vachhrajani K. D. 2010: Spatial distribution and substratum preference of brachyuran crab *Macrophthalmus depressus* (Decapoda: Ocypodidae) along the lower estuarine mudflats of Mahi River, Gujarat, India. *Crustaceana* 83: 1055-1067. (**Brill Publications, The Neatherland**) (**Impact factor = 0.8**)
 5. Karia, J. P., Vachhrajani, K. D. and **Pandya P. J.** 2010: An Analysis of Water Quality of Thol Bird Sanctuary, Inland Wetlands. *International Journal of Ecology and Development*, 18(W11): 46-61.
 6. **Pandya, P. J.** and Vachhrajani, K. D. 2012: Malacological study of Mahi river, Gujarat with reference to estuarine gradient. *Electronic Journal of Environmental Sciences*, 5: 41-47.
 7. **Pandya, P. J.** , Trivedi, J. N. and Vachhrajani, K. D. 2013: Prey-predator relationship between wolf spider and brachyuran crabs. **TAPROBANICA: The Journal of Asian Biodiversity** 5 (2): 151.
 8. Karia, J. P., Vachhrajani, K. D. and **Pandya, P. J.** 2013: Systematics of Plankton Diversity in Thol Bird Sanctuary, Inland Wetlands, Gujarat. *Indian Forester*, 139(5):435-439.
 9. **Pandya, P. J.** and Vachhrajani, K. D. 2013: Brachyuran crab diversity of lower estuarine mud flats of Mahi River with new record of two species from Gujarat, India. *Arthropods* 2 (4): 242-250.
 10. **P. J. Pandya**, 2013: Use of Bioturbation Structures in Coastal Wetlands as an Important Tool in Benthic Faunal Studies. *Jalplavit*, 4(3):74-79.
 11. **Pandya P. J.** and Agariya., S. I. 2015. Overview of status of fisheries development in Gujarat: with a case study from selected sites along Kachchh coast. In proceedings of International seminar on Holistic living: An Indian Prospective. Journal of Recent Research. Proceedings of Proceedings of International conf. on Holistic Approaches of living. Shri R. R. Lalan College, Bhuj
 12. Pandya P. J. and Goswami Mansi, 2019. Understanding Benthic bioturbation as an important Ecosystem service along Gulf of Kachchh, Western India. International conference on Benthos. Cochin University of Science and Technology Kochi . 6th to 8th March 2019.

➤ **Book Chapter:**

1. K. D. Vachhrajani and **P. J. Pandya**.2011: Life Under Ecological Flux: An Estuarine Case Study” to be printed in *Animal Diversity, Natural History and Conservation-Vol. 1*. Daya Publishing House, 427-436.

➤ **Projects Completed and Reports:**

1. As Principal Investigator DST project : “Assessment and quantification of bioturbation, ecosystem engineering and coastal sediment processing by intertidal macrofauna along the Gulf of Kachchh, Gujarat, India”(Completed in 2019)
2. As PI – UGC Minor project: Study of diversity community structure and habitat characteristics of brachyuran crabs along the Kachchh coast, Gujarat. **(Completed)**
3. Ecological Status Of River Khari (Peninsula Of Kachchh) And Shetrunji (Peninsula Of Saurashtra). Short term project report submitted to Gujarat Ecology Commission, Gandhinagar, 2016. **(as Co-PI)**
4. “Benthic fauna of Mahi estuary; Habitat characteristics and population ecology”, Intreme reports submitted to Department of Science and Technology, Gov. of India. – **As team member**
5. Gujarat Ecology Commission, 2011: “Preparation of Ecological profiling of talukas around Gulf of Khambhat” Funded by Gujarat Forest Department. – **Team member**
6. Comprehensive Terrestrial Environmental Impact Assessment Study for the Proposed Multi-Product Special Economic Zones at Kandla Port, Gandhidham, Gujarat. Report Submitted to National Institute of Oceanography, Goa. August 2012 (EIA Report) **Team member- Mangrove**
7. Conservation and management plan for Mundra and surrounding mangroves, Kachchh. Report submitted to Adani Port and SEZ. 2013. **Team member- Mangrove**

➤ **Popular/Newsletter articles:**

1. Pandya, P. J. 2012: Benthic fauna- A secluded asset of wetlands. *Jalaplavit*, 3(2):10-12.
2. Patankar, P., Pandya, P. J., & Vyas, V. R., 2004. Vulture records in and around Vadodara. In: *Inputs from bird watchers for the workshop on “Current status of vultures in Gujarat”* 19th September, 2004. 8. Jani, J. J., Kher, R. H., Patel, D. J., Tere, A., & Rank, D. N. (eds.). Anand: Bird Conservation Society.

➤ **Abstracts/Conference Presentations/ Attended:**

- 1) 2006 **Pandya P. J***, Effect of Urbanization on quality of Wetland with reference to Avifauna. National Conference on Environmental Pollution and Toxicology, Thakur College, Mumbai, December. **(Presented)**
- 2) 2004 Pandya P. J., Workshop on “Current status of Vultures in Gujarat” organized by Bird Conservation Society of Gujarat, Anand. 19th Sept. **(Participated)**
- 3) 2006 **Pandya P. J.**, National Symposium on ‘Recent advances in Reproduction, Endocrinology and Development and Associated disorders’. Dept. of Zoology, The M.S. University of Baroda, Vadodara. 30-31st January. **(Participated)**
- 4) 2007 **Pandya P. J.***, Vachhrajani KD and Mankodi PC: Substratum characteristics: Importance in benthic fauna studies. National Conf “Varied Perspectives of Biodiversity”, NCLES MJ College, Navi Mumbai, Feb 2nd -3rd . **(Presented)**
- 5) 2007 Parikh Ankita*, Shinde Komal, **Pandya PJ**, Vachhrajani KD and Mankodi PC: Ecological status of Mahi River estuary, Gujarat. National Conf “Varied Perspectives of Biodiversity”, ICLES MJ College, Navi Mumbai, Feb 2nd -3rd. **(Presented)**
- 6) 2007 Patel Bhairavi*, **Pandya P. J**, Vachhrajani KD and Mankodi PC: Molluscan Fauna of Mahi River, Gujarat: A preliminary report. National Conf “Varied Perspectives of Biodiversity”, ICLES MJ College, Navi Mumbai, Feb 2nd -3rd. **(Presented)**
- 7) 2007 Shinde Komal*, Parikh Ankita, Nanda Aditi, **Pandya P. J**, Vachhrajani KD and Mankodi PC: Zooplankton diversity of Mahi river estuary, Gujarat. National Conf “Varied Perspectives of Biodiversity”, ICLES MJ College, Navi Mumbai, Feb 2nd -3rd. **(Presented)**
- 8) 2007 Shewale Vaishali*, Bhattji Nayruti, **Pandya P. J**, Vachhrajani KD and Mankodi PC: Distribution, diversity and sediment relationship of crabs at Kamboi, Mahi River estuary, Gujarat. National Conf Varied Perspectives of Biodiversity, ICLES MJ College, Navi Mumbai **(Presented)**
- 9) 2007 Bhattji Nayruti*, Shewale Vaishali, **Pandya P. J**, VACHHRAJANI KD and Mankodi PC: Study of various biogenic structures of benthos at Kamboi, Mahi estuary, Gujarat. XXI Gujarat Science Congress, 11th March, 2007 Patan. **(Presented)**
- 10) 2007 **Pandya P. J***, VACHHRAJANI KD and Mankodi PC: Role of hydrodynamics and habitat characteristics in the distribution pattern of benthos at Kamboi, Mahi estuary, Gujarat. Gujarat Science Congress, Patan. **(Presented)**
- 11) 2007 **Pandya P. J***, VACHHRAJANI KD, and Mankodi PC: Habitat characteristics and benthic faunal diversity of Mahi river estuary, Gujarat. National Conference on Environmental Sciences: Current Status and Emerging Challenges, Udaipur. **PJP: Awarded Prof. Vimal Sharma Gold Medal for Best Paper Presentation. (Presented)**
- 12) 2008 Ranpara Darshita*, **Pandya P. J**, Mankodi PC and VACHHRAJANI KD: Distribution and biogenic structures of brachyuran crab (*Macrophthalmus depressus*) at Kamboi, Mahi estuary. XXII Gujarat Science Congress, Bhavnagar. RD: Awarded 2nd Best Poster Prize. **(Presented)**

- 13) 2008 Gadhvi Mayurdan*, **P. J. Pandya**, P. C. Mankodi and K. D. Vachhrajani: Foraminifera of Kamboi estuarine sediments. XXII Gujarat Science Congress, Bhavnagar. GM: Awarded 3rd Best Poster Prize. **(Presented)**
- 14) 2008 Kotadia Bhoomika*, **P. J. Pandya**, P. C. Mankodi and K. D. Vachhrajani: Tidal cycle influence on water quality of Mahi river. XXII Gujarat Science Congress, Bhavnagar **(Presented)**
- 15) UGC Sponsored National Conference on “Taxonomy Teaching and Research: The Relevance in the National Context, Petlad. **(Participated)**
- 16) State level Seminar on Current Trends In Environmental Sciences, Organized by NVPAS, Vallabh Vidyanagar. 20th Spetember 2008. **(Participated)**
- 17) 2009 State level conference on “Teaching Zoology in the 21st century: The road ahead.” Held at M.G. Science College, Gujarat University, Ahmedabad. 14th July. **(Participated)**
- 18) 2009 **P. J. Pandya** and K.D. Vachhrajani. Habitat preference and sediment relationship of brachyuran crabs of Mahi river estuary, Gujarat. International conference on ‘Recent Advances in Environmental Biotechnology’, Birla College, Kalyan, India. **(Presented)**
- 19) 2009. Pandya P. J. and Vachhrajani K. D. Architecture and burrow morphometry of brachyuran crab *Uca lactea*. National Seminar on Bioresources and its management for Food, livelihood and environmental security & 20th All India Congress of Zoology, Central Institute of Fisheries Education, Mumbai, 29th-31st Dec. **(Presented)**
- 20) 2009. State level seminar on “Importance of trees in conservation of Avian diversity” organized by Department of Zoology, The M. S. University of Baroda, Vadodara, 13th September. **(Participated)**
- 21) 2010 **P. J. Pandya**: Predicting the vulnerability of estuarine brachyuran taxa using animal-sediment relationship as an effective tool. *Student Conference on Conservation Science, University of Cambridge, Cambridge, UK.* **(Presented)**
- 22) 2010. National Semianr on ‘Air Pollution management in changing global environmental scenario’. Department of Botany, M. S. University of Baroda, Vadodara, 7th February 2010. **(Participated)**
- 23) 2010 **Pandya PJ** and VACHHRAJANI KD: Microhabitat preference and sediment relationship of estuarine brachyuran crab *Dotilla clepsydrodactyla* Alcock, 1900. National Conference on Interdisciplinary Approaches in Environmental Sciences, The M. S. University of Baroda, Vadodara. **Awarded Second Best Oral Paper Presentation Prize. (Peresented)**
- 24) 2013, National Seminar on regulating Transgenic crop for Sustainable Development.Organized by Department of Earth and Environment Science, KSKV Kachchh University and Satvi., Bhuj. 6th July 2013. **(Participated)**
- 25) 2013. National level **workshop** on “ Grassland Development & Management in Arid and Semi arid region” Organised by NCCSD & VRTI at Bhuj. 9-10th Oct 2013. **(Participated)**
- 26) 2015, Pandya P. J. and Agariya, S. I.: Overview of status of fisheries development in Gujarat: with a case study from selected sites along Kachchh coast, presented at

- International seminar* on Holistic living: An Indian Prospective, Organized at Shri R. R. Lalan College, Bhuj. 15th -16th Feb, 2015. **(Presented)**
- 27) 2016. Gadhvi Dhanraj., Pandya, P. J. and Mehta P. K. Preliminary study on comparison of selected intertidal macrofaunal groups along Kachchh coast, Gujarat. Presented 30th Gujarat Science Congress, KSKV Kachchh Univ., Bhuj. 6th-7th Feb.2016. **(Presented)**
- 28) 2016, **Pandya, P.J.** : Ecosystem services and subsurface architecture by brachyuran crabs and allied community. presented at **National symposium** on Marine Boresources and Coastal Livelihoods” organized by Gujarat Inst. of Desert Ecology, Bhuj, 4th-5th March 2016. **(Presented)**
- 29) 2016, National Wildlife conference of Kachchh., Organized by Env. Development Trust (EDT). 8-11 Dec 2016. **(Participated)**

Conference participation & Presented			Total
National level	State level	International level	
21	11	04 (01 at Cambridge Univ., UK)	36

**03 awarded as best presentations*

➤ **Training and Workshops**

1. National training on “Genotoxicity Biomarkers in Fishes” at National Bureau of Fish Genetic Resources (NBFGR), Lucknow, 15th-21st February, 2007.
2. Training on Separation, mounting and identification of Microfossil (foraminifera). Department of Geology, National College, Tiruchirappalli. 8th – 19th February 2009.
3. Workshop on "Taxonomy of Molluscs" held by Bombay Natural History Society (BNHS) Dept. of Zoology, M. S. University of Baroda, 2008.
4. Workshop on "Dynamic Trends of Coastal and marine environment of Gujarat and Developmental pressure" organized by Gujarat Ecological Society, Vadodara, Feb.2008.
5. 2013 National workshop on “ Grassland Development and Management in Arid and Semi Arid Region”, organized by National Council for Climate Change and VRTI, at Bhuj, 9th and 10th Oct-2013.
6. 2014. Regional workshop on Implementation of Biodiversity Act and rules for Academicians organized by Gujarat Biodiversity Board and Dept.of Marine Sciences Bhavnagar Univ. , 13th July 2014.
7. Workshop on Mangroves and Carbon trading, Carbon market and REDD. Organized by Gujarat Institute of Desert Ecology (GUDIE) under Mangroves For Future Initiative of the International Union for Conservation of Nature (IUCN-MFF), New Delhi, 07 July, 2015.
- 8.

➤ **Member of Professional/ International Organizations:**

- Member of *International Society of Zoological Science, China*
- Member of *International Association of Hydrological Sciences, UK*
- Member of BCSG (Bird Conservation Society Gujarat), Gujarat

➤ **Member of Universities/allied bodies:**

- Chairman - Board of studies - Zoology, KSKV Kachchh University
- Member – Board of studies Marine Sciences, KSKV Kachchh Univeristy
- On examiner panel MKV Bhavnagar University, North Gujarat University and KSKV Kachchh University
- Former Senate Member-KSKV Kachchh University
- Committee member of college, state Govt.
- On Advisory Committee – Gujarat Forest and Environment Department, Kachchh District.

➤ **Extra credentials:**

- SCUBA diving: PADI certified “Open Water Diver”.

(Pranav J. Pandya)