

Dr. SAVAN PREMJBHAI TANK

- **Date of Birth** : January 03rd 1987
- **Designation** : Assistant Professor & Head
- **Address:** : 304 Ekta Apartment-A,
Near Madhura Bus Stop,
Veraval Highway - Junagadh.
Pin. 362015
- **Contact No.** : (M) +91- 9016931688
- **E-mail** : savantank.env987@gmail.com
- **ORCID** : 0000-0002-7561-2875
- **Researchgate** : <https://www.researchgate.net/profile/Savan-Tank>
- **Specialization** : Environmental Science, Life Sciences (Analysis of Water, Soil, Noise, Illusion and Meteorological data, Ecology, Pollution and Audit)



EDUCATIONAL QUALIFICATIONS

- *Doctor of Philosophy (Ph.D.) “To study Physico-chemical characteristics and its sedimentation analysis of Hiran and Ozat River”* from Department of Earth and Environmental Science, KSKV Kachchh University, Bhuj, Gujarat. (May 2021)
- *Master of Science (M.Sc.)* in Environmental Science with First Class from Department of Earth and Environmental Science, KSKV Kachchh University, (May 2011).
- *Bachelor of Science (B.Sc.)* in Chemistry with Second Class from Gujarat College, Ahmedabad, Gujarat University (March 2009).

(A) AREA OF EXPERTISES

- Tutoring, Research, Laboratory, Field and Students Data Analysis.
- Stack and Ambient Air Quality Monitoring and its impact and control.
- Illumination and Noise level measurement and its impact and control.
- Effluent and Drinking/raw water, Soil, and sludge collection & analysis
- Schedule I and II Audit Reports
- Statistical analysis in SPSS

Meteorological

- Measurement of wind speed, wind direction, relative humidity (Rh), ambient temperature, rainfall measuring and bright sunshine hour (BSS).
- Automatic weather monitoring station.

IT Proficiency

- Window XP Operating system and Basic computer skills
- Microsoft Office - Excel, word, PowerPoint and Internet

(B) RESEARCH PUBLICATIONS

Research Articles:

- 1, Mayuri Jain and **Savan Tank** (2023), "*Treatment of Dairy Industry Wastewater using Reed Bed Technology*" Journal of Emerging Technology and Innovation Research (JETIR) (ISSN 2349-5162), Vol 10, Issue 05. Pg. k1-k5.
- 2, Hardevsinh Chauhan and **Savan Tank** (2023), "*Treatment of Industrial Wastewater by Adsorption using Low Cost Adsorbents by using Natural clay*" Journal of Emerging Technology and Innovation Research (JETIR) (ISSN 2349-5162), Vol 10, Issue 05. Pg. i452-i466.
- 3, Ujjaval Mistry and **Savan Tank** (2023), "*Comparative study of dye wastewater treatment with use of advanced Oxidation processes*". Journal of Emerging Technology and Innovation Research (JETIR) (ISSN 2349-5162), Vol 10, Issue 05. Pg. 1-5.
- 4, **Savan Tank**, (2023) "*Sedimentation assessment of physicochemical with use of statistical tools for the entire Ozat River, Gujarat*", Saarth E-Journal of Research (ISSN: 2395-339X) Vol. 9 Issue 4/23 pg 111-116
- 5, **Savan Tank** and Suhas Vyas (2019). *Effect of physicochemical on the quality of river water of Ozat, Origin near Peripheral area of Gir, Gujarat, India* Journal of Advanced Scientific Research (ISSN: 0976-9595) Vol 10 issue 4 suppl 2, pg, 279-285
- 6, **Savan Tank** and Suhas Vyas (2019). "*Evaluation of physical and chemical parameters of Hiran River originating from 'GIR' forest area of Gujarat*" Research in Environment and Life sciences, Vol. 12, No. 1.pg. 16-22
- 7, Suhas J. Vyas, **Savan P. Tank**, Rajesh P. Bhatt and Manish M. Jani (2018) "*Physico-Chemical Study of Sonrakh River in Junagadh city, Gujarat*". International Journal of Scientific Research in Biological Sciences, Vol. 5, Issue 6, pg. 89-95. ISSN: 2347-7520.
- 8, Vijay R. Ram, Jiva Odedra, Suhas J. Vyas and **Savan P. Tank** (2018). "*Adsorption of Lead using Pogamia piñata powder as a low cost adsorbent*". International journal of Scientific Research in Biological Sciences. Vol.5, Issue 3, Pg.16-20. ISSN: 2347-7520.
- 9, Suhas J. Vyas, Ankit Godhasara, Vijay Ram, **Savan Tank** and Jatin Raval (2018). "*Physicochemical characteristics of groundwater from Mundra taluka of Kachchh district.*" International Journal of Current Trends in Science and Technology. Vol. 8, Issue. 5, Pg.20505-20519. ISSN: 0976-9730.

- 10, Suhas J. Vyas, Rajesh Rathod, **Savan P. Tank** and Vijay R. Ram (2018). *“Ionic composition of some salt tolerant plants growing near Kandla port of Kachchh region (Gujarat)”*. Asian Journal of Biochemical and Pharmaceutical Research. Vol. 8, Issue 2, Pg.72-86. ISSN: 2231-2560.
- 11, Suhas J. Vyas, Paurav Mehta, Rinkal Gor and **Savan P. Tank** (2018). *“Soil organic carbon sequestration potential of coastal habitats in Mandvi tehsil”*. Research Journal of Life Sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences (RJLBPCS). Life Science Informatics Publishers. Vol. 4, Issue 3, Pg. 251. ISSN: 2454-6348.
- 12, Vijay R. Ram, Jiva P. Odedra, Suhas J. Vyas and **Savan Tank** (2018). *“Ion chromatographic study of drinking water of selected villages in Bhuj taluka of Kachchh region”*. International Journal of Life Sciences Research. Vol. 6, Issue 2, April-June. pg. 136-143. ISSN (print): 2348-313X . ISSN (online): 2348-3148.
- 13, Suhas J. Vyas, H. V. Jadeja, **Savan P. Tank** and Vijay R. Ram (2018). *“Physico-Chemical Analysis of Soil and Water Wetland in Bhuj Taluka of Kachchh Region”*. Advances in BioResearch. Vol. 9 Issue 2 Pg.73-80. ISSN: 2277-1573.
- 14, Suhas J. Vyas, Dipika Kara and **Savan Tank** (2017). *“Eco-physiological study of marshy and sandy habitats of Kachchh”*. International Journal of Scientific Research in Biological Sciences. Vol. 4, Issue 6, pg. 1-7. December 2017. ISSN: 2347-7520.

(C) PAPER PRESENTATIONS

- Presented a paper on **“Sedimentation assessment of physicochemical with use of statistical tools for the entire Ozat River, Gujarat”** in National Seminar of “Sustainable in Climate change, Sustainable Energy, Environment & Role of G20” on 25th March 2023, Mehsana
- Presented a paper on **“A physico-chemical status with statistical analysis of entire Hiran River Gujarat.”** in NSCMS-2020, Sponsored by Gujarat Council on Science & Technology, in association with Om Science College and Department of Chemistry, Bhakta Kavi Narsinh Mehta University, Junagadh, during 18th January, 2020.
- Presented a paper on **“Study of Physico-Chemical Status of Entire Hiran River in Saurashtra Region”** in SCIENSIUM-2019, Sponsored by Gujarat Council on Science & Technology, in association with Dr. Subhash Science College, Junagadh, during 21th January, 2019.

- Present a paper oral on **“A Study of Physico-Chemical Status of Entire Hiran and Ozat River in Saurashtra Region”** in SciTech-19 Sponsored by GSBTM and DST in association with CCSIT 28th January 2019.
- Presented a paper on **“Physico-Chemical study of Sonrakh River in Junagadh city, Gujarat”** in Science Excellence-2018, Gujarat University, Ahmedabad during 20th September 2018.
- Presented a paper on **“Seasonal data of Physico-chemical value of Ozat and Hiran River Gujarat”** in One day national level seminar on SCIENSIUM-2018 Sponsored by Gujarat Council on Science & Technology, in association with Dr. Subhash Science College, Junagadh, during 5th March, 2018.
- Presented a paper on **“A Study of physico-chemical status of entire Hiran and Ozat river in Saurashtra zone, Gujarat, India”** in *International Conference on “Behavioural Ecology: Responses to Changing Climate”* organized by Gujarat Institute of Desert Ecology and Ethological Society of India, Bhuj during 24th - 25th November 2017.
- Presented a paper on **“Water Quality Index of Sabarmati and Tapi river Gujarat- A review.”** In *XXX Gujarat Science Congress-2016*, organized by KSKV Kachchh University and Gujarat Science Academy, Bhuj-Kachchh, during 6th – 7th February 2016.
- Presented a poster on **“Impact of Industrialization.....Solution to key problem”** in *State of Environment and Climate change in Gujarat* organized by KSKV Kachchh University, Bhuj, during 24th Sept, 2010.

**(D)CONFERENCE/SEMINAR/WORKSHOP
ATTENDED/PARTICIPATED**

- Participated in State level **“One day workshop on Waste water”** organized by Gujarat Ecological Commission, association with Government of Gujarat, held on March 22, 2018 at Gandhinagar.
- Participated in iFDP (International Faculty Development Program) for Phase - I and II, organized at Bhakta Kavi Narsinh Mehta University, Junagadh. Held on Phase-I 22-23rd Dec 2017, Phase-II March 12th 2018.
- National Seminar on **“21st ISTE state annual faculty convention 2016”** and **“Emerging Trends in Engineering”** organized by Tolani Foundation Gandhidham Polytechnic, Adipur, during 27th December 2016.
- Participated in **“Symposium on Banni Grassland”** organized by Gujarat Institute of Desert Ecology, Bhuj- Kachchh. 4th & 5th March, 2011.
- Participated on **“Environmental Protection and Industrial Development: Law Perspective”** organized by KSKV Kachchh University, Bhuj-Kachchh, during 8th April, 2010.

(E) ORIENTATION PROGRAMME / COURSE/TRAINING PROGRAMME

- Completed training programme on “*Crop Yield Forecasting using Statistical and Crop Growth Simulation Model*” organized by Indian Meteorological department, Pune during 4th -10th September 2012.

(F) LIFE MEMBER

- **Life Member** of The Indian Society for Technical education from 2017
- **Associate Member** of the International Environment Forum (IEF), A Bahá'í inspired organization for environment and sustainability
- **Professional Membership** of International Society of Environmental Relationship And Sustainability (ISERS) from 2022 **ID:- PM41709356**
- **Faculty Club Membership** of Tarush Foundation, A Body under register Gov. of India **ID:- TFFM/2023/0117**

(G) ACHIEVEMENTS

- Coordinate to one day International e-conference on “**CoViD-19: Environmental perspectives**” funded by Gujarat Council on Science and Technology (GUJCOST), Department of Science and Technology, Gandhinagar, on 10th November, 2020.
- Organize one day Seminar with field visit on the celebration of World Wetland day 2nd February, 2021.
- As Review Member of Journal of Emerging Technology and Innovation Research (JETIR) (ISSN 2349-5162) **UGC Approved Journal no 63975 Member ID 223007.**

(H) EXPERIENCE

Teaching

- May 2022 to Ongoing : As **Assistant Professor or Head of (GPCB) Schedule-I Auditor** in Department of Environmental Engineering and Environmental Science, Swarnim Startup & Innovation University, Gandhinagar
- July 2017–January 2022: Working as **Assistant Professor** in Department of Biology, Shree Saurashtra Education Trust, Science College, Junagadh.
- June 2016 to May 2017: As **Lecturer** in Department of Humanity Management and Science, HJD Institute of technical Education and Research, Bhuj.

- July 2013 to May 2016: as **Lecturer** in Department of Civil, L.J. Institute of Engineering & Technology, Ahmedabad.
- April 2012 –March 2013: As **Senior Research Fellow** in Department of Agronomy, Agro-meteorology Cell, Junagadh Agricultural University, Junagadh. (FASAL Project, IMD New Delhi)

Industrial

- March 2022 to April 2022: As **Sr. Scientist (Lab Head)** Schedule II in Detox Corporation Pvt Ltd. work with Deendayal Port Trust, Gujarat.
- September 2011 to March 2012: As **Jr. Environmental Scientist** in Go Green Mechanism Pvt. Ltd., Ahmedabad.
- December 2010 to August 2011: As **Environmental Chemist** in Royal Environmental Auditing and Consultancy Service, Rajkot.

(I) ACTIVITIES

- During my career, I'm continuously conducting research work and improve my API/Citations
- Design syllabus According NEP (National Education Policy) for Degree and Short courses.
- Set question papers and Assessment of Master/ Bachelor- Degree and Diploma.
- Dissertations and Project work to Bachelor and Master students.
- Jr/Sr Supervision and Special squad member in Examination department
- Prepare UGC/IQAC files and data.
- Design the laboratory structure and modify as per NABL guideline.
- During Industrial and Academic occupation, I have attended the NABL audit.
- Prepare the Monitoring reports and Audit reports (Schedule I &II).
- Deal and Documentation with Government and Non-Government body.

(J) GUIDANCE OF STUDENTS

	Master	Bachelor	Total
Completed (Thesis Submitted)	07	06	13
Under Guidance (on Going)	00	00	00
Total Students	07	06	13

(K) DECLARATION

- I hereby declare that the above-mentioned information is true to the best of my knowledge

(L) REFERENCES

Dr. Suhas J Vyas

Professor & Head,

Department of Life Sciences, Bhakta Kavi Narsinh Mehta University, Junagadh,

vsuhas.13@gmail.com, Mo. 9925016914

Dr. Hiren B. Soni

Head,

Department of Environmental Science, Institute of Science & Technology for Advanced Studies & Research (ISTAR), V.V. Nagar, Anand

hirenbsoni@gmail.com Mo. 9426023901

Dr. K.C. Poriya

Professor & Head,

Department of Physics, Veer Narmad South Gujarat University

kcporiya25@yahoo.co.in Mo. 9925031589

Dr. Savan P. Tank