

PUBLICATION TYPE	AUTHORS	YEAR	TITLE	JOURNAL/ SENINAR PROCEEDINGS	VOLUME	ISSUE	PAGE	DoI
State Seminar Proceedings	Marvia, R. B., Rank, H.D., and Vekariya	1993	Basic Criteria For The Design Of Drip System Components.	Pub. In Proc. In GASS Seminar On Saurashtra Kutch Vistar Mate Tapak Sichai Paddhiti				
National seminar Proceedings	Rank, H. D., Gajera, K.R., And Makadiya, M.V.	1993	Development of chance constrained linear programming (CCLP) model for water harvesting and management, Pub.	In Proc. Of National Seminar On Water Harvesting Held At Regional Engineering College, Tiruchirappalli,				
National seminar Proceedings	Rank, H.D., Kathiria, R.K., Yadav, R. And Raval, A. H.	1996	Comparative evaluations of agricultural wastes for biogas productions.	Proc. National Seminar On Renewable Energy,				
National seminar Proceedings	Raval, A.H., Yadav, R., Gontia, N.K., And Rank, H.D.	1996	Efficient Use Of Energy through Resistance To Air Flow In Packed Fruits.	Proc. National Seminar On Renewable Energy At CAET, Junagadh,				
International Journal	Yadav, R., Prasad, N., Kathiria, R.K., And Rank, H.D.	1996	Anaerobic Digestion of Eucalyptus Leaves.	Agril. Engg. Journal.	5	3&4	113-118	
National seminar Proceedings	Ghaghada, R.H., Rank, H.D., Shah, A., And Agrwal, A. K.,	1999	Study on assessment of energy conservation in PVC over GI piping system.	Pub. In Souvenir Of Seminar On Role Of Agricultural Engineers In Mechanization For Sustainable Agriculture			50-52	
International seminar Proceeding	Rank, H.D., Ghagnada, R.H., Sardhara, V.K., Parmar, H. V., and Vekariya, P. B.	2003	Optimal irrigation scheduling for summer groundnut crop under hot arid climate.	Proc. International Seminar on Downsizing Technology for Rural Development held at RRL, Bhuvneshwar during			254-257	
International seminar Proceeding	Rank, H.D., Ghagnada, R.H., Vekariya, P.B., Sardhara, V.K., Anjaneyulu, B., (2003) Shah, B.J., Bariva, S. K.	2003	Development and verification of model for wetting front movement under point source of irrigation.	Proc. International Seminar on Downsizing Technology for Rural Development held at RRL, Bhuvneshwar			258-265	
International seminar Proceeding	Rank, H.D. and Ghaghada, R.H.	2003	Water Management for sustainable cultivation of groundnut crop under deficit water supplies.	Proc. International Seminar on Downsizing Technology for Rural Development held at RRL, Bhuvneshwar			247-253	
National Symposium Proceedings	P. B. Vekariya, Rank H. D.	2004	Design of high discharge trickle irrigation system for summer groundnut crop,	National Symposium on Enhancing productivity of groundnut for sustaining food and nutritional security				
National Symposium Proceedings	P. B. Vekariya, Rank H. D. and Saradhara V. K..	2004	Design of high discharge trickle irrigation system for summer groundnut crop for efficient water use,	National symposium on Enhancing productivity of groundnut for sustaining food and nutritional security				
National Symposium Proceedings	Rank H. D. , P. B. Vekariya, and R. H. Ghaghada	2004	Modelling the Groundnut crop response to water under different irrigation systems,	National symposium on Enhancing productivity of groundnut for sustaining food and nutritional security				
National Symposium Proceedings	Rank H. D. , P. B. Vekariya, Saradhara V. K. and R. H. Ghaghada	2004	Effect of water application levels and irrigation methods on the water use efficiency of groundnut crop,	National symposium on Enhancing productivity of groundnut for sustaining food and nutritional security				
National Seminar Proceedings	Rank, H. D. and Thumar, V. M.	2005	Agricultural Resources Planning : A linear programming approach.	Proc. National Conference on " Sustainable Management of Water Resources"				
National Seminar Proceedings	Rank, H. D. and Thumar, V. M.	2005	Agricultural Resources Planning : A linear programming approach.	Proc. National Conference on " Sustainable Management of Water Resources"			344-348.	
National Seminar Proceedings	Rank, H. D., Vekariya, P. B., and Sardhara, V. K.	2005	A nonlinear modeling approach to agricultural resources planning,	Proc. National Conference on " Sustainable Management of Water Resources"			323-327	
National Seminar Proceedings	Sikarwar, R. S., Rank, H. D., Subbaiah, R.	2005	Impact assessment water harvesting structures in Laddi watersheds.	Proc. National Conference on " Sustainable Management of Water Resources"			121-124	
National Seminar Proceedings	Vekariya, P. B., Rank, H. D. and Sardhara, V. K.	2005	Alternative trickle irrigation system design for summer groundnut crop : An economic approach.	Proc. National Conference on " Sustainable Management of Water Resources"			101-105	
International Seminar Proceeding	Rank H. D., Khunt S. M., Grigliani , P. K.	2006	Development Of Rainfall Intensity-Duration-Frequency Relationships For Central Gujarat.	Proc. International Conference On Hydrology And Watershed Management,				

International Seminar Proceeding	Rank H. D., Khunt S. M., Grigliani P. K.	2006	Development Of Rainfall Intensity-Duration-Frequency Relationships For Central Gujarat.	Proc. International Conference On Hydrology And Watershed Management				
State Workshop Proceedings	Rank, H. D.	2006	Land use planning for engineering the optimum agriculture,	Presented and pub. in Proceedings of District Deployment Workshop, organized at JAU, Junagadh				
National Journal	Rank, H. D., Sardhara, V. K., Movalia, H. K., and Savalia, S. B.	2006	Development of mathematical and Nomographical relationships of rainfall intensity-duration-frequency for Junagadh station	Applied Hydrology.	4		56-62	
National Seminar Proceedings	Sikarwar R.S., Gontia N.K. and Desai M.V.	2006	Water harvesting in ponds-A sustainable approach in Saurashtra region	Conference on natural resources management for sustainable development in western India			92	
National Seminar Proceedings	Vadher, P. G., Gontia, N. K., Golakiya, B. A. and Jetpara P. I.	2006	The impact of sea water intrusion on the qualitative parameters of groundwater.	Paper presented in seminar on "water Quality and Major Problems in Gujarat State" held on 26-27 August, 2006 at Palanpur.				
International Seminar Proceeding	Rank, H. D., Khunt, S. and Grigliani, P.	2006	Development of Rainfall intensity- duration-frequency relationship for Central Gujarat.	Proc. Int. Conf. on Hydrology and management of Watershed, held at JNTU, Hyderabad during Dec. 5-8, 2006				
State Seminar Proceedings	Rank, H. D.	2006	Water Management for Saurashtra.	Souvenir. State level seminar on water quality and major water problems in Gujarat state, held at Science College, Palanpur during August 26-27, 2006.				
State Seminar Proceedings	Rank, H D	2006	Land use planning for engineering the optimum agriculture.	Proc. District Deployment Workshop, held at JAU, Junagadh, during October 13, 2006			27-39	
National Journal	Rank, H. D.	2007	Effect of irrigation system and moisture regimes at different growth stage on cotton (Gossypium hirsutum L.) yield	Indian Journal of Agricultural Science (ICAR)	77	12	78-80	
International Journal	Rank, H. D.	2007	Modeling Cotton Yield Response to Thermal Regimes.	International Journal of Tropical Agriculture.	25	1-2	147-157	
International Journal	Rank, H. D.	2007	Summer groundnut crop performance and economics under micro sprinkler irrigation at various water application levels.	Legume Research-An international Journal.	30	4	261-265	
International Journal	Rank, H. D.	2007	Modeling Cotton Yield Response to Thermal Regimes.	International Journal of Tropical Agriculture.	25	1-2	147-157	
National Journal	Rank, H. D.	2007	Effect of irrigation system and moisture regimes at different growth stage on cotton (Gossypium hirsutum L.) yield.	Indian Journal of Agricultural Science (ICAR)	77	12	78-80	
International Seminar Proceeding	Vadher, P. G., Gontia, N. K., Golakiya, B. A. and Jetpara, P. I.	2007	Seawater intrusion and impact of Groundwater recharge in coastal line of Saurashtra region.	Souvenir. 3rd International Groundwater Conference (IGC-2007) held on 7-10 February, 2007 at TNAU, Coimbatore.				
International Seminar Proceeding	Rank, H. D. Mallik M., Gontia, N K	2007	Deficit irrigation practices through drip for cotton for reducing the stress on groundwater.	Souvenir. 3rd International Groundwater Conference (IGC-2007) held on February 7-10, 2007 at TNAU, Coimbatore.				
National Seminar Proceedings	Rank, H. D., Limbasiya, B. B., Vekariya, P. B., Gontia N. K., Singh, C. and Shukla, R.	2007	Simulating the Crop Yield Response To Climatic Inputs.	Souvenir. 41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers, held on January 29-31, 2007 at JAU, Junagadh.				
National Seminar Proceedings	Rank, H. D., Vekariya, P. B., Sardhara, V. K. and Malik, m.	2007	Modeling the Leaf Area Index-Crop Coefficient and Assessing the Effects of Moisture Stress on Crop Coefficient for Cotton.	Souvenir. 41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers held on January 29-31, 2007 at JAU, Junagadh.				
National Seminar Proceedings	Gontia, N. K. , Sikarwar, R. S. and Desai, M. V.	2007	Rainwater harvesting to increase agricultural production and rural employment.	41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers, held on January 29-31, 2007 at JAU, Junagadh.				

National Seminar Proceedings	Vekariya, P. B., Rank, H. D. and Limbasiya, B. B.	2007	Approach to Encounter Demerits of Trickle Irrigation System.	Souvenir. 41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers held on January 29-31, 2007 at JAU, Junagadh.				
National Seminar Proceedings	Gontia, N. K. and Singh, S. K	2007	Impact assessment of rainwater harvesting structures using remote sensing and GIS	41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers, held on January 29-31, 2007 at JAU, Junagadh.				
National Seminar Proceedings	Vekariya, P. B., Rank, H. D. and Limbasiya, B. B.	2007	Hydraulics of Micro-Tubing Emmitters: A Dimensional analysis Approach.	Souvenir. 41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers held on January 29-31, 2007 at JAU, Junagadh.				
National Seminar Proceedings	Limbasiya, B. B., Rank, H. D., Vekariya, P. B., Sardhara, V. K. and Ghaghada R. H.	2007	Design and Evaluation of Filter for groundwater Recharging through Well.	Souvenir, 41st ISAE ANNUAL CONVENTION & SYMPOSIUM, of Indian Society of Agricultural Engineers held on January 29-31, 2007 at JAU, Junagadh.				
International Journal	Rank, H. D.	2007	Modeling Cotton Yield Response to Thermal Regimes.	International Journal of Tropical Agriculture.	25	1-2	147-157	
International Journal	Rank, H. D.	2007	Summer groundnut crop performance and economics under micro sprinkler irrigation at various water application levels. Legume Research	An international Journal.	30	4	261-265	
National Seminar Proceedings	Vekariya, P. B., Rank, H. D. and Limbasiya, B. B.	2007	Approach to Encounter Demerits of Trickle Irrigation System.	Souvenir. 41st ISAE ANNUAL CONVENTION & SYMPOSIUM of Indian Society of Agricultural Engineers held on January 29-31, 2007 at JAU, Junagadh.				
National Journal	Tiwari K.N., Paul D.K. and Gontia N.K	2007	Characterization of meteorological drought.	Hydrology Journal of IAH	30	1-2	15-27	
National Journal	Rank, H. D.	2008	Crop coefficient at various moisture stresses for different growth periods of cotton.	Hydrology Journal,	31	3-4	15-22	
Compendium of Training	Rank, H. D., Mashru H. M. and Prajapati G. V.	2008	Wasteland development in coastal area	Compendium of farmers training on coastal area development			1-41	
International Journal	Rank, H. D.	2008	Economics of irrigation practices for cotton.	International Journal of Agricultural Sciences.	4	1		
International Journal	Rank, H. D.	2008	Economics of irrigation practices for cotton.	International Journal of Agricultural Sciences.	4	1	51-56	
International Journal	Gontia N.K. and Tiwari K.N.	2008	Development of Crop Water stress Index of wheat crop for scheduling irrigation using infrared thermometry.	Agricultural Water Management,	95	10	1144-1152	
International Journal	Rank, H. D.	2008	Economics of irrigation practices for cotton.	International Journal of Agricultural Sciences.	4	1		
International Seminar Proceedings		2009	Rain water harvesting in coastal aquifers"	Presented Paper in International conference on food security and environment sustainability. (FSSES -2009). At IIT –Kharagpur during 17th – 20th Dec.-2009.				
International Seminar Proceeding	Gontia N.K	2009	Evapotranspiration estimation in an irrigation command using remote sensing and GIS	Presented Paper in International conference on food security and environment sustainability. (FSSES -2009). At IIT –Kharagpur during 17th – 20th Dec.-2009.				
International Journal	Gontia N.K. and Tiwari K.N.	2009	Estimation of spatially & temporally distributed crop coefficient & evapotranspiration of wheat in on irrigation command using remote sensing & GIS	water resources management, Springer Publication				

International Seminar Proceedings	P. G. Vadher and Gontia N.K.,	2009	Rain water harvesting in coastal aquifers.	International conference on food security and environment sustainability. ,Deptt. of Agril. & Food Engg. IIT Kharagpur				
International Seminar Proceedings	Gontia N.K., and K. N. Tiwari ,	2009	Evapotranspiration estimation in an irrigation command using remote sensing and GIS.	International conference on food security and environment sustainability. Deptt. of Agril. & Food Engg. , IIT Kharagpur, 17th to 20th Jan.-2009				
National Seminar Proceedings	P. G. Vadher and Gontia N.K.,	2009	Impact of watershed development on quality of ground water in coastal area of saurashtra	A proc. Of 43rd annual Convention ISAE hold at B.A.U. Ranch. Feb.- 15-17, 2009.				
International Journal	Dudnat, M. S., Chovatia, P. K., Sheta, B. T., Rank, H. D. and Parmar, H.V	2010	Effect of nitrogen, phosphorous and potash on growth and bulb yield of onion (Allium cepa L.).	An Asian Journal of Soil Sciences.	5	1	189-191	
International Journal	Dudnat, M. S., Chovatia, P. K., Sheta, B. T., Rank, H. D. and Patel, P. J	2010	Effect of spacing bulb size and fertilizers on growth and seed yield of onion (Allium cepa L.)	International Journal of plant Sciences.	5	2	627-629	
Compendium of Training	Rank H D and Gontia , N K.	2010	Groundwater Management	Compendium of winter school on water Resources management in Coastal Area for Enhancing Water Productivity			1-448	
Leaflet	P. B. Vekariya, N.K. Gontia and P.G. vadher	2010	Bhugarbhjal reecharjmaa bori bandhaneegatayataa" in Gujarati language	Leflet pub by JAU, Junagadhj				
Leaflet	P. B. Vekariya, N.K. Gontia and P.G. vadher	2010	Daxin paschima Saurashtra maa bhugarbh-starnee pareesthiti", in Gujarati language	Leflet pub by JAU, Junagadhj				
National Journal	Gontia N.K. and Tiwari K.N.,	2010	Yield Estimation Model and Water Productivity of Wheat Crop (Triticum aestivum) in an Irrigation Command Using Remote Sensing and GIS	Journal of the Indian Society of Remote Sensing, in press.				
International Seminar Proceeding	Gontia N. K.	2010	Rainwater harvesting and management: a paradigm to control local and global warming.	Proceedings of International Conference on Global Warming, Agriculture and Sustainable Development and public leadership, held at Gujarat Vidhyapith, Ahmadabad during March 11-13 2010				
International Journal	P. B. Vekariya, R. subbaiah and H.H. Mashru,	2010	Hydraulics of microtube emitters: a dimensional analysis approach.	Published online in International journal Irrigation science, Springer publication, Nov.2010.				
International Journal	Dudnat, M. S., Chovatia, P. K., Sheta, B. T., Rank, H. D. and Patel, P. J	2010	Effect of spacing bulb size and fertilizers on growth and seed yield of onion (Allium cepa L.)	International Journal of plant Sciences.	5	2	627-629	
International Journal	Dudnat, M. S., Chovatia, P. K., Sheta, B. T., Rank, H. D. and Parmar, H.V	2010	Effect of nitrogen, phosphorous and potash on growth and bulb yield of onion (Allium cepa L.).	An Asian Journal of Soil Sciences.	5	1	189-191	
Vernacular article	Rank, H. D.	2010	Adopt the Scientific approach in groundwater recharge (Bhugarbh Jal rechargema Vaignanik Abhigam Apnavo).	Krushigovidya		3	747	3-8
Book	Dr. N. K. Gontia & Dr. K. N. Tiwari.	2010	Crop water Stress Indices and Evapotranspiration Estimation for irrigation scheduling and yield modeling of wheat crop using Remote Sensing and GIS"	LAMBERT Publishing Germany entitled Authored By				
Book	Rank H D.	2011	Water Managment Research for Cotton	LAMBERT Publishing, Germany.	13		338	
International Seminar Proceeding	Sahu, D, Rank, H D., Vekariya, P B and Dugad, S B .	2011	Performance Evaluation of Vertical Sand Filter for Drip Irrigation System.	Proc. of fourth international groundwater conference (igwc-2011) on the impact of climate change on groundwater resources with special reference to hard rock terrain, Madurai				
International Seminar Proceeding	Vekariya, PB, Gonita, NK and Rank HD.	2011	Groundwater management in conjunction with harvested rainwater for Irrigation	Proc. of fourth international groundwater conference (igwc-2011) on the impact of climate change on groundwater resources with special reference to hard rock terrain, Madurai				

International Seminar Proceeding	P.B. Vekariya, H. D. Rank, N.K. Gontia,	2011	Groundwater management in conjunction with harvested rainwater for irrigation	Proceeding of Fourth International Groundwater Conference (Igw-2011) on the Impact of Climate Change on Groundwater Resources with Special Reference to Hard Rock Terrain held at Yadava College of Arts & Science, Madurai, Tamil Nadu, India (September 27-30, 2011)				
International Seminar Proceeding	P. G. Vadher and N. K. Gontia,	2011	Impact of artificial groundwater recharge on seawater intrusion in coastal aquifers of Saurashtra region of Gujarat.	Proceeding of Fourth International Groundwater Conference (Igw-2011) on the Impact of Climate Change on Groundwater Resources with Special Reference to Hard Rock Terrain held at Yadava College of Arts & Science, Madurai, Tamil Nadu, India (September 27-30, 2011)				
International Seminar Proceeding	Er. Dezy Sahu, Dr. H. D. Rank, Er. P B Vekariya and Dr. S. B. Dugad,	2011	Performance Evaluation of Vertical Sand Filter for Drip Irrigation System.	Proceeding of Fourth International Groundwater Conference (Igw-2011) on the Impact of Climate Change on Groundwater Resources with Special Reference to Hard Rock Terrain held at Yadava College of Arts & Science, Madurai, Tamil Nadu, India (September 27-30, 2011)				
National Seminar Proceedings	P. G. Vadher, H. D. Rank and N. K. Gontia	2012	Impact of Climate Change on reduction of Sea water intrusion in coastal land of Saurashtra region of Gujarat.	Challenges of the 21st Century" organized by the Indian Society of Soil Salinity and water quality, CSSRI Karnal and CSSRI Regional Research Station, Lucknow at Lucknow , (March 16-17, 2012)				proceeding of Second National Seminar on "Management of Salt affected soils and waters:
International Journal	H. P. Patel, S. G. Savalia and M. C. Chopada	2012	Evaluation of Soil Constraints and Soil-Site Suitability for Groundnut in Different Landforms of Meghal Irrigation Command Area of Southern Saurashtra Region of Gujarat.	An Asian Journal of Soil Science.	7	1	131-137	
International Journal	H. P. Patel, S. G. Savalia and M. C. Chopada	2012	Soil-Site Suitability Evaluation for Soybean in Meghal Irrigation Command Area of Southern Saurashtra Region of Gujarat.	An Asian Journal of Soil Science	7	1	117-123	
Leaflet	H D Rank & Others	2012	Leaflet on Bhugarbh jal recharge	Leflet pub by JAU, Junagadhj				
Leaflet	H D Rank & Others	2012	Leaflet on " jal chanchay nee vividh padhatio"	Leflet pub by JAU, Junagadhj				
National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod and Hiren P. Patel.	2013	Climate Change Impact on Crop Water Requirements In South Saurashtra Region Of Gujarat State.	Proc. Nat. Sem. On Climate Change Impacts On Water Resources System.			18-25	
National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod and Hiren P. Patel.	2013	Climate Change Impact on Crop Water Requirements In South Saurashtra Region Of Gujarat State.	Proc. Nat. Sem. On Climate Change Impacts On Water Resources System.			18-25	
National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel and Popat B. Vekariya	2013	Climate Change Impact on Rainfall in Junagadh District of Gujarat State,	India. Proc. Nat. Sem. On Climate Change Impacts On Water Resources System			170-78	
National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel and Popat B. Vekariya	2013	Climate Change Impact on Rainfall in Junagadh District of Gujarat State,	India. Proc. Nat. Sem. On Climate Change Impacts On Water Resources System			170-78	
National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel, Popat B. Vekariya, Rajni J. Patel and Dhaval M. Paradava	2013	Climate Change Analysis for the Coastal Belt Area of Saurashtra	Proc. Nat. Sem. On Climate Change Impacts On Water Resources System.			128-34	

National Seminar Proceedings	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel, Popat B. Vekariya, Rajni J. Patel and Dhaval M. Paradava	2013	Climate Change Analysis for the Coastal Belt Area of Saurashtra.	Proc. Nat. Sem. On Climate Change Impacts On Water Resources System.			128-34	
International Journal	Wandre S. S. and Rank H. D	2013	Assessment of morphometric characteristics of Shetrunji River basin using remote sensing and geographical information system (GIS).	African Journal of Agricultural Research	8	18	2003-2015	10.5897/AJAR2013.7031, /
International Journal	Wandre S. S. and Rank H. D.	2013	Assessment of morphometric characteristics of Shetrunji River basin using remote sensing and geographical information system (GIS)	International Journal of Agriculture, Environment and Biotechnology	6	3	503-514	10.595810.5897/AJAR2013.7031, /
International Journal	Wandre S.S. and Rank H.D	2013	Prioritization of Watersheds of Shetrunji River Basin Based on Morphometric Analysis using Remote Sensing and GIS.	World Research Journal of Tropical Agriculture,	1	1	18-Nov	
National Journal	Pandya P A and Rank H D	2014	Techno Economic Feasibility of High Discharge Drip Irrigation and Mulch for Summer Sesame	Agricultural Engineering Today.				
National Seminar Proceedings	Kelaiya, J H, Rank, H D and Paradava, D.M.	2014	Climate change impacts on groundwater resources in Bhadar basin of Gujarat state of india	Resent Trends in Water Science and Technology. Charotar Publishing House Pvt. Ltd., Anand, India			71-80	
National Journal	Pandya, P.A and Rank, H D	2014	Summer sesame response to irrigation methods and mulching.	Journal of Agriuctural Engineering, ISAE	15	4		
National Seminar Proceedings	Paradava, D.M., Rank, H D and Kelaiya, J H.	2014	Climate change assessment and its impacts on surface and groundwater resources for Shetrunji basin of Gujarat state, India.	Resent Trends in Water Science and Technology. Charotar Publishing House Pvt. Ltd., Anand, India				
International Journal	Patel, R J, Rank, H D, Ajudiya, B. H. and Dhanani N. V.	2014	An Assessment of Ground Water Recharge Potential Through Tube Well "	International Journal of Engineering Research & Technology (IJERT)	3	10	2278-0181	
National Seminar Proceedings	Rank, H D, Vekariya, P B, Paradava, D.M., and Kelaiya, J H.	2014	Climate change impacts on irrigation sector for agricultural crop water demands in north Saurashtra region of Gujarat state, India	Resent Trends in Water Science and Technology. Charotar Publishing House Pvt. Ltd., Anand, India			61-70	
International Journal	Sonadarva, K N, Rank, H D and Jayswal, P S.	2014	Summer sesame response to moisture and thermal regimes.	African Journal of Agricultural Research,	9	27	2095-2103	
National Seminar Proceedings	Vekariya, P B and Rank, H D	2014	Conjunctive water use planning in South Saurashtra region for irrigating wheat crop.	Ntional seminar on Resent Trends in Water Science and Technology. Charotar Publishing House Pvt. Ltd.			127-133	
National Seminar Proceedings	Vekariya, P B and Rank, H D	2014	Conjunctive water use planning in South Saurashtra region for irrigating wheat crop.	Resent Trends in Water Science and Technology. Charotar Publishing House Pvt. Ltd., Anand, India.			127-133	
National Seminar Proceedings	Bhatu, H.M. Rank, H.D. Patel, R.J. Paradava, D.M. Kelaiya, J.H and Wandre S.S.	2015	Simulating the Crop Yield Response to Climate.	Water Management and Climate Smart Agriculture	1		252-263	
National Seminar Proceedings	Dasaria, H.N. Rank, H.D. Sahu, Dezy. Patel, R.J. Vekariya, P.B. Dandl, S.R.	2015	Performance Evaluation of Horizontal Sand Filter of Drip Irrigation	Water Management and Climate Smart Agriculture	3		134-147	
National Seminar Proceedings	Dandl, S.R. Subbarani, K. Prajapati, G.V Rank, H.D. and Parmar, H.V.	2015	Forecasting Weekly Temperature with Seasonal ARIMA Model	Water Management and Climate Smart Agriculture	2		139-147	
National Seminar Proceedings	Kelaiya, J.H. Paradava, D.M. Patel, R.J. Parmar, H.V. Mashru, H.H. Vekariya, P.B. and Rank, H.D.	2015	An Assessment of Potential Surface and Groundwater Resources of Bhadar River Basin of Gujarat State using SWAT Model	Water Management and Climate Smart Agriculture	2		148-157	
National Seminar Proceedings	Limbasiya, B.B. Rank, H.D. Vekariya, P.B. Sardhara, V.K.	2015	Cotton Yield Response to Moisture Regimes and Nomograph for Optimal Land and Water Resources Planning	Water Management and Climate Smart Agriculture	3		35-46	

National Seminar Proceedings	Mashru, H.H. Rank, H.D. Vekariya, P.B. Kelaiya, J.H. Paradava, D.M. and Parmar, H.V.	2015	Domestic Rooftop Water Harvesting for Junagadh City	Water Management and Climate Smart Agriculture	3		227-236	
National Journal	Pandya PA and Rank H D	2015	Techno Economic Feasibility of High Discharge Drip Irrigation and Mulch for Summer Sesame.	Agricultural Engineering Today(AET),	39	1	1-7	
National Seminar Proceedings	Pandya, P.A. Rank, H.D. Patel, R.J. Vekariya, P.B. Kelaiya, J.H. and Paradava, D.M.	2015	Effect of Irrigation Practices on the Quality of Cotton Yield and WUE of Summer Sesame	Water Management and Climate Smart Agriculture	3		116-127	
International Journal	Paradava, D. M., and Rank, H D.	2015	Groundwater Resources as Influenced by Climatic Change in Shetrunji basin of Gujarat State, India.	Current World Environment	10	3	994-1003	
National Seminar Proceedings	Paradava, D.M. Parmar, H.V. Mashru, H.H. Vekariya, P.B. Rank, H.D. and Kelaiya, J.H.	2015	Climate Change Assessment for Ozat Basin of Saurashtra Region of Gujarat state, India	Water Management and Climate Smart Agriculture	2		294-308	
National Seminar Souvenir	Patel, R J, Rank, H D, Parmar H V and Vekariya, P B.	2015	Role of remote sensing in canal irrigation water management. Abstract were published.	Souvenir of All India seminar on participatory irrigation water management by Water resources, water supply and kalpsar department, Gandhinagar, SSNL, Gandhinagar and WMF, Ahmedabad.			17	
National Seminar Proceedings	Patel, R.J. Parmar, H.V. Mashru, H.H. Vekariya, P.B. Rank, H.D. Kelaiya, J.H. and Paradava, D.M.	2015	Prioritization of Watershed Development by Estimating Soil Loss using Remote Sensing and GIS	Water Management and Climate Smart Agriculture	2		320-336	
	Rank, H D, Patel, R J, Vekariya, P B and Parmar H V.	2015	Irrigation water management for cotton crop. Abstract were published in the souvenir of All India seminar on participatory irrigation water management	Water resources, water supply and kalpsar department, Gandhinagar, SSNL, Gandhinagar and WMF, Ahmedabad.			10	
National Seminar Proceedings	Rank, H.D. Paradava, D.M. Parmar, H.V. Mashru, H.H. and Vekariya, P.B.	2015	Modelling and Simulating the Climate Change Impact on Water Resources System in Ozat Bazin using SWAT	Water Management and Climate Smart Agriculture	2		70-83	
National Seminar Proceedings	Sardhara, V.K. Subbaiah R. Prajapati G.V. and Rank, H.D.	2015	Differential Water Production Function for Wheat	Water Management and Climate Smart Agriculture	3		295-303	
National Seminar Proceedings	Sondarva, K.N. Rank, H.D. and Jayswal, P.S.	2015	Study on Summer Sesame Response to Different Sowing Time and Irrigation Regimes	Water Management and Climate Smart Agriculture	1		165-175	
National Seminar Proceedings	Vadar, H.R. Rank, H.D. Gajera, S.V. Vaghela, G.J. Parmar, H.V. Mashru, H.H. and Damor, P.A.	2015	Effect of Nozzle Size and Operating Pressure on the Performance of Raingun Irrigation System	Water Management and Climate Smart Agriculture	3		190-200	
National Seminar Proceedings	Vekariya, P.B. Rank, H.D. Kelaiya, J.H. Paradava, D.M. Patel, R.J. Parmar, H.V. and Mashru, H.H.	2015	Groundwater Recharge Potential of Harvested Roof Water in Junagadh	Water Management and Climate Smart Agriculture	3		282-293	
National Seminar Proceedings	Vithlani, N.S. Rank, H.D. Christian, J.K. and Vala, H.J.	2015	Analysis of Climate Change Impact on Rainfall for Gujarat State	Water Management and Climate Smart Agriculture	2		346-356	

International Journal	Wandre, S S, Rank, H D and Shinde, V B.	2015	Priorization of watershed of Shetrunji river basin based on morphometric analysis using remote sensing and GIS.	Journal of Multilogic in Science,	4	12		
National Seminar Proceedings	Wandre,S.S. Rank,H.D.	2015	Watershed Characteristics and Prioritisation of Shetrunji River Basin using GIS and Remote Sensing Techniques	Water Management and Climate Smart Agriculture	2		228-399	
National Seminar Proceedings	Sarika Wandre, V.B. Shinde and H.D. Rank	2016	Role of Extension Services in Climate Change Adaptation: A Review.	Abstract pub in souvenir of National Seminar on "Contemporary Innovations for Quantum Extension in Agricultural Development"				
International Journal	Vora, P.P. Patel, K.C., Patel, R.J. and Rank, H.D	2016	Development of Chance Constrained Linear Programming (CCLP) Model for Water Harvesting and Management.	Advances in Life Sciences	5	4	1464-1469	
Book Chapter	Gontia, N K., Rank, H D and Subbaiah, R.	2016	Rainwater Harvesting and Groundwater Recharge.	Handbook of Applied Hydrology.			145.1-10	
International Journal	Kelaiya, J. H. And Rank, H. D.	2016	climate change impacts on groundwater resources in bhadar basin of gujarat state of India,	Advances In Life Sciences	5	17	7023-7029	
Book Chapter	Mashru, H. H., Rank, H. D. and Vadar, H. H.	2016	Water and Soil Conservation in Arena of Climate Change (Badlata jata vatavarnma ja lane jamin sarakshan), KrushiGovidhya	Anand Agricultural University.Anand	69	8	33-39	
National Seminar Proceedings	Modhvadia, J. M., Kelaiya, J. H., Patel, R. J., Vadar, H. R., Bagada, P. J., Chalodia, A. L. and Patel G. R.	2016	Role of Agriculture and Forestry in Climate Change and Carbon Sequestration.	Compendium of abstracts of ISTS national seminar on Forest and Tree-Based Land Use Systems for Livelihood, Nutritional and Environmental Security, Navsari Agricultural University, Navsari			168	
International Journal	P. P. Vora, K.C. Patel, R.J. Patel, H.D. Rank	2016	Development of Chance Constrained Linear Programming (CCLP) Model for Water Harvesting and Management.	Advances in Life Sciences	5	4	1464-1469	
International Journal	Parmar, H. V., Mashru, H. H., Vekariya, P. B., Rank, H. D., Kelaiya, J. H., Pardava, D. M., Patel, P. J. And Vadar, H. R.	2016	Establishment of Rainfall - Runoff Relationship for the Estimation Runoff in Semi-arid Catchment. Agres	An International E-Journal,	5	1	60-67	
Practical manual	Patel R. J.	2016	Practical manual on Irrigation Engineering	Junagadh Agricultural University, Junagadh.			31-45.	
International Journal	Patel, R. J. and Rank, H. D.	2016	Performance Analysis of Electrical Resistance based Granular Matrix Sensors for Measuring Soil Water Potential in Clay Loam Soil.	An International e-Journal	5	3	313-319	
National Seminar Proceedings	Patel, R. J., Rank, H. D., Vadar, H. R., Parmar, H. V., Patel, K. C., Chalodia, A. L. and Patel G. R.	2016	Role of Agriculture and Forestry in Climate Change and Carbon Sequestration.	Compendium of abstracts of ISTS national seminar on Forest and Tree-Based Land Use Systems for Livelihood, Nutritional and Environmental Security Navsari Agricultural University, Navsari			150	
Compendium of Training	Rank H. D. and Prajapati G. V.	2016	Water security and challenges in the arena of climate change,	CoE on SWM, RTTC, JAU, Junagadh.JAU			1-108	
Compendium of Training	Rank, H D., Sojitra, M A., Vekariya, P B. and Vadar, H. R.	2016	Water harvesting and its efficient utilization in modern horticultural crop farming (BagayatiPakoniadhyunikketimajalsanchayane panino karyakshamUpyog).	Compendium of Training by JAU, Jungadh			19-Sep	



Book Chapter	Rank, H. D. and Sojitra, M. A.	2016	Drip irrigation for efficient utilization of water and fertilizer: Operation, Fertigation and Maintenance (Pani ane khatarna karyksham upyog mate tapak padhdhiti: vaparash, fertigation and jalvani),	Pragatishil kheti,			78-93	
Compendium of Training	Rank, H. D. and Sojitra, M. A. Prajapati G. V.	2016	Groundwater Recharge, Assessment, and Management for climate change	Water Security and Challenges in the Arena of Climate Change,			158-165	
International Journal	Rank, H. D., Sojitra, M. A., Patel. R. J., Vadar, H. R. And Vekariya, P. B.	2016	validation of root growth simulation models for cotton crop grown under specified environment.	Agric Res J	53	4	488-491	
International Journal	Sojitra, M A., Purohit, R C, Pandya, P A and Kyada, P M.	2016	Short Duration Rainfall Forecasting Modeling Through Anns	Scientific Journal Agricultural Engineering,	4		20-Nov	
International Journal	Vadar, H. R.; Modhvadiya, J. M.; Patel, R. J.; Mashru, H. H.; Vekariya, P. B.; Parmar, V. H. And Rank, H. D.	2016	Response of Trickle Irrigated Coriander Crop under various Soil Moisture Stress at Major Growth Stages	An International E-Journal		5	4 420-425	
Research Bulletin.	Vadher, P G, Rank, H D., Vekariya, P B., Raychudhuri, M., Subbaiah, R., and Gontia, N K.	2016	Impact assessment of seawater intrusion on the qualitative parameters of ground water in Saurashtra region of Gujarat.	Research Bulletin.				
International Journal	Vithlani, N. S. and Rank, H. D.	2016	Climate change impact assessment for aji basin using statistical downscaling and bias correction of climate model outputs	Current World Environment,	11	2	670-678	
Book	Wandre, S S and Rank, H D.	2016	Simulating the hydrologic response to climate change using SWAT model.	LAP LAMBERT Academic Publishing, GmbH & Co. KG, Saarbrücken, Germany.				
International Journal	Wandre, S. S., Rank, H. D. and Dwivedi, D.	2016	Prediction Of Precipitation and Temperature Changes Using Rcm In River Basin of Gujarat, India.	Advances In Life Sciences,	5	22	10584-10590	
National Seminar Proceedings	Patel, R. J., Rank, H. D., Vadar, H. R., Parmar, H. V., Patel, K. 2017C., Choladia, A. L. and Patel, G. R.	2016	Agriculture and Forestry to combat climate change.	Souvenir of National seminar on Forest and tree-based land use for Livelihood, Nutritional and Environmental Security ,NAU, Navsari, Gujarat in Association with Indian Society of Tree Scientist, Solan, H.P.			190-94	
International Journal	Bhatu H, Rank H. D.	2017	Simulating the climate change impact on water resources system in UND river basin using SWAT model,	An International e. Journal,	6	2	376-382	
International Journal	Bhatu H, Rank H. D.	2017	Climate Simulation Using RCM Data for Jamnagar District.	Curr World Environ	12	2	1-10	
International Journal	Bhatu H, Rank H. D.	2017	Estimating the water balance component in Rangmati river basin using SWAT model.	International Journal of Agricultural Science and Research (IJASR)	7	4	547-554	
International Journal	Maheta, H. Y. And Rank, H. D.	2017	Estimation of groundwater recharge in Karmal watershed of Bhadar basin using empirical models	An International e. Journal	6	3	486-493	
International Journal	Maheta, H. Y. And Rank, H. D.	2017	Trend analysis of rainfall using mann-kendall test in Karmal watershed of Bhadar basin.	An International e. Journal		6	3 435-441	
Vernacular article	Parmar, H V., Mashru, H H, Rank, H D., Sojitra M A, Vadar H R, Patel, R Land Vkariva, P B.	2017	Krushima Satellite Technology Dwara Remote Sensing no Upyog-Nutan Abhigam.	Krushi Jivan, GSFC, Vadodara	49	12	13-15	

Vernacular article	Patel, R J., Veakriya, P B, Vadar, H B	2017	Jal niyman ane teno karyksham Upyog.	Krushi Govidhya, Anand Agricultural University	69	10	42-43	
Leaflet	Prajapati, G V, Rank, H D, vagadiya, V R, Makwana, J J. and Vithalani, N S	2017	Chhaniyu Khatar Folvanu Sadhan.	JAU Krushi Vistsran Prakashan Shreni			1-37	
Leaflet	Prajapati, G V, Rank, H D, Vithalani, N S and Makwana, J J.	2017	Jiruma Tapak Sinchai Paddhdhiti Dwara Nafakarak Kheta.	JAU Krushi Vistsran Prakashan Shreni:			1-36	
Compendium of Training	Rank, H D., Prajapati, G V.	2017	Ketini aavak bamani karva ganvatayukt utpadan, muly vridhi ane vyaparik abhigam.	Lecture book of farmers training programe(April 20, 2018) organized by CoE, RTTC, JAU, Junagadh.				
Compendium of Training	Rank, H D., Prajapati, G V., Makwana, J J., and Vithalani, N S.	2017	Operation and maintenance of drip irrigation system(Tapak sinchai padhdhitino upyog ane teni jalvani).	Lecture book of training programe(February 21-23, 2017) organized by CoE, RTTC, JAU, Junagadh for field staff of JAU,Junagadh.				
National Workshop Proceedings	Rank, H. D., Sojitra, M. A., Makwana, J. J. and Babariya, N.B.	2017	Agriculture Resources Management- JAU's Research Experience.	Proceeding of National workshop on Costal Samity Management Strategies, Organised by JAU, Junagadh and CSRC, Ahmedabad.			26-41	
International Journal	Sojitra, M. A. and Rank, H D.	2017	Bias correction of RCM simulated Precipitation and Temperature for Und Basin,	Trends in Biosciences	10	10	1945-1954	
International Journal	Sondarva, k. N., Rank, H. D., Jayswal P. S. and Trivedi, K. R.	2017	Techno economic study of summer sesame crop under drip irrigation with various irrigation interval and thermal regimes.	Res. Environ. Life Sci.	10	2	123-128	
International Journal	Vekariya, P B., Rank, H D., Vadher, P G., and Gontia, N K.	2017	Groundwater utilization and management policy guidelines for the South west Saurashtra region.	J. Sustain. Water Resour. Manag. (Springer)				10.1007/s40899-017-0086-7.
International Journal	Wandre S. S. & Rank H. D.	2017	Bias Correction For Rcm Predictions Of Precipitation In Vartu River Basin Of Gujarat, India.	International Journal Of Agricultural Science and Research (Ijasr)	7	1	187-194	
International Journal	Wandre, S S, Rank, H D and Shinde, V B	2017	Simulating the Hydrologic Response to Climate Change: Sani River Basin, Gujarat (India),	Advances in Research	9	1	1-9	
National Worshop Proceedings	P. B. Vekariya and H. D. Rank	2017	Effectiveness of Recharge Basins Technique in Junagadh Region,	Proceeding of workshop on water conservation and related issues organized by CGWB, Ahmedabad held at SVPNM – Ahmedabad				
Compendium of Training	Rank, H D.Prajapati, G V.,	2017	Micro Irrigation and water conservation.	Lecture book "Chikuma Khara Paninu Vyasthapan temaj teni Mulyvrudhdhi(Saline Irrigation Water Management in Sapota and its value additions)"				
National Seminar Proceedings	Rank, H D. and Gontia, N K.	2017	Enhancing the farmers' income through MIS adoptions.	Keynote Paper Presentation National Conference on Technological changes and Innovations in Agriculture for Enhancing Farmers' Income (28-31 May 2017) organized by ASM Foundation, Delhi and JAU, Junagadh.				
International Journal	H. Y. Maheta, H. D. Rank, Jaydeep J. Makwana and G. V. Prajapati	2018	Extreme streamflow forecasting using artificial neural network.	Innovative Farming.	3	1	31-35	
National Seminar Proceedings	H. Y. Maheta, H. D. Rank, Jaydip J. Makwana and G. V. Prajapati	2018	Extreme streamflow forecasting using artificial neural networks.	Proceedings of 1st Farm Innovation Congress and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" , Jointly organized by Innovative Farming, SAAI, and AICRP on Soil Test Crop Response Correlation, Directorate of Research, BCKV, West Bengal.			84	

National Seminar Proceedings	H. Y. Maheta, H.D. Rank, Jaydip Makwana and G. V. Prajapati	2018	Rainfall runoff modeling using artificial neural network.	Abstract pub. in Proceedings of National symposium of "Doubling Farmers income through technological Interventions" during 52nd ISAE Convention organized by ISAE, New Delhi and AAU, Anand.			254	
National Seminar Proceedings	Maheta, H Y, Rank, H D Makwana, J J and Prajapati, G V.	2018	Rainfall-runoff modelling using artificial neural networks	Abstract pub. in Proceedings of National symposium of "Doubling Farmers income through technological Interventions" during 52nd ISAE Convention organized by ISAE, New Delhi and AAU, Anand.			254	
National Journal	N.S. Vithlani <sup>1</sup> , H.D. Rank and G.V. Prajapati	2018	Simulating the climate change impact on water resources system in Aji basin using swat model	Innovative Farming.	3	3	94-102	
International Journal	Paghadal, A. M., Rank, H. D. and Pandya, P. A.	2018	Hypsometric analysis of Ozat river basin (Gujarat) using remote sensing and GIS techniques,	An International e. Journal,	7	1	17-29	
National Seminar Proceedings	Paghdal, A M, Rank, P. H., Rank, H D., Limbasiya, B B , Vekariya, P B and Vadar, H R.	2018	Modelling and simulating the groundwater level behavior to climate change for the Ozat basin	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			263	
National Seminar Proceedings	Patel, R J, Vadar, H R, Maheta, H Y, Pandya, P A, Kelaiya, J H and Rank, H D.	2018	Development of linear programming model for water management planning.	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			246	
National Seminar Proceedings	Patel, R J, Vadar, H R, Maheta, H Y, Pandya, P A, Kelaiya, J H and Rank, H D.	2018	Development of linear programming model for water management planning.	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			246	
National Seminar Proceedings	Rank H D	2018	Research of JAU on Land and Water management.	In (Ed). Patel, K P. & Others. Soil Science Research in Gujarat. 83ed annual convention of ISSS at AAU, Anand.			115-126	
Compendium of Training	Rank, H D. Prajapati, G V	2018	Sinchai Vyavasthapan dwara gunvatayukt vadhu utpadan melavavana Upayo.	Kein raavak damani karva garvatayukt upadan, muly vridhi ane vyaparik abhigam. Lecture book of farmers training programe(April 20, 2018) organized by CoE, RTTC, IAU, Junagadh.				
National Seminar Proceedings	Rank, H D., Vekariya, P B, Sojitra, M A., Mashru, H H, Patel, R J, Vadar, H R and Parmar, H V	2018	Effectiveness of Gaussian Distribution Mapping for Bias Correction of RCM Simulated Temperature for Junagadh Region	Abstract published in national seminar				
Vernacular article	Sojitra, A M, and Rank, H D.	2018	Tapak Sinchai Padhdhitima fertigation	Krishi Prabhat,	12	18	9	
National Seminar Proceedings	Sojitra, M A., Rank, P. H., Rank, H D., Mashru, H H, Patel, R J and Parmar, H V	2018	Climate change impact on reference evapotranspiration in Shingola basin of Gujarat.	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			262	
National Seminar Proceedings	Sondarava K N, Jayswal, P S and Rank, H D.	2018	Techno-Economic study of summer sesame crop under drip irrigation with various irrigation interval and thermal regimes	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			288	
National Seminar Proceedings	Veakriya, P B and Rank, H D.	2018	Recharge costing and water balance under recharge basin technique in Junagadh region.	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand.			297	

National Seminar Proceedings	Vithalalni, N S and Rank, H D.	2018	An assessment of water balance for Aji bain using SWAT model.	Presented and abstract published Souvenir of 52nd Annual Convention of ISAE and National symposium on "Doubling Farmers Income Through Technological Interventions during Jan. 8-10, 2018 at AAU, Anand			246	
Book	Gontia, N.K., and Rank, H.D.	2018	Water Resources Management for Enhancing Water Productivity. New India	New India Publishing Agency, New Delhi				
	Gojiya M.J., Sarsavadiya P.N. and Mashru H.H.	2018	Development and performance evaluation of force convection solar dryer. Globe edit.					
Book	Vekariya, P. B. and Savaliya, K V.	2018	Influence of Slope and Crop on Runoff And Soil Loss Under Rainfall.	LAP LAMBERT Academic Publishing.				
Book	Vadher, H.M. and Vekariya, P.B.	2018	Groundwater Recharge Using Connector Well Technique in Junagadh	LAP LAMBERT Academic Publishing.				
National Journal	Maheta, H.Y., Rank, H.D., Makwana J.J., Prajapati G.V.	2018	Extreme streamflow forecasting using artificial neural network	Innovative Farming	3	1	31-35	
National Journal	Vithlani, N.S., Rank, H.D., Prajapati, G.V.	2018	Simulating the climate change impact on water resources system in Aji basin using swat model.	Innovative Farming	3	3	94-102	
National Seminar Proceedings	Maheta, H.Y., Rank, H.D., Makwana, J.J., Prajapati, G.V.	2018	Rainfall runoff modeling using artificial neural network,	In: Proceedings of the 52nd ISAE Convention. 07-08 Jan 2018, AAU, Anand,			254	
National Seminar Proceedings	Maheta, H.Y., Rank, H.D., Makwana, J.J., Prajapati, G.V.	2018	Extreme streamflow forecasting using artificial neural networks	In: Proceedings of 1st Farm Innovation Congress and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate". Directorate of Research, BCKV, West Bengal			84	
Compendium of training	Rank, H. D.,	2018	Sinchai Vyavasthapan dwaragunvatayuktvdhupadanmelavavana Upayo	Lecture book of farmers training programe. JAU, Junagadh			1-7	
Book Chapter	Rank, H.D., Vekariya, P.B.	2018	Water Management for Climate Resilient Agriculture,	Natural Resources Management. Director of Extension Education, AAU, Anand, Gujarat,			46-49	
Book Chapter	Vekariya, P.B. and Rank, H.D.	2018	The different options for the Water Management under Climate Change,	Natural Resources Management. Director of Extension Education, AAU, Anand, Gujarat,			50-52	
National Seminar Proceedings	Rank, H.D.	2018	Research of JAU on Land and Water management,	Soil Science Research in Gujarat. 83ed annual convention of ISSS at AAU, Anand			115-126.	
National Seminar Proceedings	Sojitra, M.A., Rank, P.H., Rank, H.D., Mashru, H.H., Patel, R.J., Parmar, H.V.	2018	Climate change impact on reference evapotranspiration in Shingola basin of Gujarat,	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			262	
National Seminar Proceedings	Rank, H.D., Vekariya, P.B., Sojitra, M.A., Mashru, H.H., Patel, R.J., Vadar, H.R., Parmar, H.V.,	2018	Effectiveness of Gaussian Distribution Mapping for Bias Correction of RCM Simulated Temperature for Junagadh Region,	Abstract In: 28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			263	
National Seminar Proceedings	Pagnadi, A.M., Rank, P.H., Rank, H.D., Limbasiya, B.B., Vekariya, P.B., Vadar, H.R.	2018	Modelling and simulating the groundwater level behavior to climate change for the Ozat basin,	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			263	

National Seminar Proceedings	Sondarava K.N., Jayswal, P.S., Rank, H.D.,	2018	Techno-Economic study of summer sesame crop under drip irrigation with various irrigation interval and thermal regimes,	Abstract In: 28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			288	
National Seminar Proceedings	Veakriya, P.B., Rank, H.D.,	2018	Recharge costing and water balance under recharge basin technique in Junagadh region	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			297	
National Seminar Proceedings	Maheta, H.Y., Rank, H.D., Makwana, J.J., Prajapati, G.V.,	2018	Rainfall-runoff modelling using artificial neural networks	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			254	
National Seminar Proceedings	Vithalalni, N.S., Rank, H.D.,	2018	An assessment of water balance for Aji basin using SWAT model.	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			246	
National Seminar Proceedings	Patel, R.J., Vadar, H.R., Maheta, H.Y., Pandya, P.A., Kelaia, J.H., Rank, H.D.	2018	Development of linear programming model for water management planning,	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			246	
Vernacular article	Sojitra, A.M., Rank, H.D.,	2018	TapakSinchaiPadhdhiti ma fertigation	KrishiPrabhat,		12	18	9
International Journal	Paghadal, A. M. Rank, H. D. and Pandya, P. A.	2018	Hypsometric Analysis of Ozat River Basin (Gujarat) Using Remote Sensing and GIS Techniques	An International e. Journal,		7	1	17-29
International Journal	Vagadia, V. R., H.H. Mashru, H.D. Rank, G.V. Prajapati3 R.M. Satasiya and P. Subhraj,	2018	Development and performance evaluation of fruit harvesting device for Lime,	International Journal of Innovative Horticulture	7	2		155-159
National Journal	Pandya, P.A., Mashru, H.H., Bhandari, H.M., Chauhan N.K., and Sarada, P. J.	2018	Planning of rooftop rainwater harvesting structure based on GIS approach	Agricultural Engineering Today	42	4		20-27
National Seminar Proceedings	Patel R.J., Vadar H.R., Pandya P.A., Modhavadiya J. M., Rank H.D., Maheta H.Y., Prajapati G.V.,	2019	Infiltration Characteristics of Clay Loam Soil in Semi-Arid Region,	Abstract In: 28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			291-296	
National Seminar Proceedings	Modhavadiya J.M., Patel R.J., Vadar H.R., Rank H.D., Kachhadia S.P., Parmar H.V.,	2019	Study on Profile Water Storage Capacity, Water Balance and Other Hydraulic properties of Coastal Soils of Gujarat,	Abstract In: 28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			297-300	
National Seminar Proceedings	Rank H.D., Vekariya P.B., Saradhara V.K., Limbasiya B.B., Parmar H.V.	2019	Climate Change Assessment of South Saurashtra Region of Gujarat, India	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			120	
National Seminar Proceedings	Rank, H.D., Vekariya, P.B., Mashru, H.H., Limbasiya, B.B., Pandya, P.A	2019	Climate Change Impact on Hydrologic System in Aji River Basin.	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			279	
National Seminar Proceedings	Vekariya, P.B., Rank, H.D.,	2019	Aquifer mapping of Uben river basin by vertical electrical sounding resistivity technique	Abstract in: 26th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			207	
Bulletin	P. B. Vekariya & H. D. Rank	2019	Aquifer mapping of Uben river basin by vertical electrical sounding resistivity technique	JAU-Junagadh			1-48	
International Journal	Kelaia, J H, and Rank, H D, Dwivedi, D K.	2019	Evaluation of morphometric characteristics and watershed prioritization of Bhadar basin of Saurashtra region, Gujarat.	Journal of Applied and Natural Science,	11	2	273-280	10.31018/jans.v11i2.2032.
International Journal	Paghadal, A M, Rank, H D, Pipaliya, P S, Makwana, J M and Prajapati, G V	2019	Prioritization of watersheds of Ozat river basin based on morphometric analysis using remote sensing and GIS.	International Journal of Chemical Studies;	7	5	2467-2476	
International Journal	Paghadal, A M, Rank, H D, Makwana, J M and Kukadiya, V.D.	2019	Quantitative Analysis of Geomorphometric Parameters.	International Journal of Curr.Microbiol.App.Sci	8	9	213-233	
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Book Chapter	Rank H.D., Vekariya P.B., Shinde, S B, and Shridhar S. Wadro	2019	Bias Correction and Predictions Performance of Temperature Data in Gujarat – India	In: (Ed.). Apple Academic Press Inc, CRC Press, FL, USA.				
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National Seminar Proceedings	Modhavadiya J.M., Patel R.J., Vadar H.R., Rank H.D., Kachhadia S.P., Parmar H.V.,	2019	Study on Profile Water Storage Capacity, Water Balance and Other Hydraulic roperties of Coastal Soils of Gujarat	In: 28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			297-300	
National Seminar Proceedings	Rank H.D., Vekariya P.B., Saradhara V.K., Limbasiya B.B., Parmar H.V.,	2019	Climate Change Assessment of South Saurashtra Region of Gujarat, India,	In: 28th National Conference of Soil Conservation Society of India. 31 January – 2 February 2019, at Udhaamandalam, Tamil Nadu			120	
National Seminar Proceedings	Vekariya, P.B., Rank, H.D.,	2019	Aquifer mapping of Uben river basin by vertical electrical sounding resistivity technique,	In: Souvenir of 53rd annual convention of ISAE at BHU and International Symposium on Engineering Technology for Precision and Climate Smart Agriculture, 28-30 January 2019, Varanasi			207	
National Seminar Proceedings	Patel R.J., Vadar H.R., Pandya P.A., Modhavadiya J. M., Rank H.D., Maheta H.Y., Prajapati G.V.,	2019	Infiltration Characteristics of Clay Loam Soil in Semi-Arid Region,	28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			291-296	
National Seminar Proceedings	Modhavadiya J.M., Patel R.J., Vadar H.R., Rank H.D., Kachhadia S.P., Parmar H.V.,	2019	Study on Profile Water Storage Capacity, Water Balance and Other Hydraulic roperties of Coastal Soils of Gujarat	28th National Conference of Soil Conservation Society of India, Udhaamandalam, Tamil Nadu.			297-300	
Vernacular Article	Pandya P. A., Rank H. D. and Mashru H. H.,	2019	Soil and water conservation measures in cultivable land.	Krishi Jagran-Gujarati Monthly Magazine,	6	10	36-41	
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International Journal	Patel R. J, Vekariya P. B.,Vadar H. R., Rank H. D.,Pandya P. A. and J. M. Modhavadiya	2020	Hydraulic performance evaluation of double nozzle full circle micro-sprinkler irrigation system under semi-arid conditions,	International Research Journal of Modernization in Engineering Technology and Science,	3	1	39-50	
International Journal	Rank, P H , Vekariya, P B and Rank, H D	2020	Climate Change Impact on Hydrologic System in Aji River Basin	Research Biotica	2	2	30-39	
International Journal	Bhatu, H., Rank, H D, Ram, V. and Chvda, J.	2020	Simulating water balance components Behavior to the climate change for Sasoi river basin	The Pharma Innovation Journal	9	9	405-407	

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International Journal	Kumar, D., and Rank, H D.	2021	Comparison of Fenugreek Crop Evapotranspiration Measured by a Micro-lysimeter, Field Water Balance Method and Automatic Closed Canopy Chamber	International Journal of Agriculture, Environment and Biotechnology Citation: IJAEB	14	1	29-49	10.30954/0974-1712.01.2021.5.
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Leaflet	Rank, H D and others	2012	Dariyakantha Vistarma Bhugarbh jal Sanchay aane teno Karyachham Upyog.	Leaflet in Vernacular language by JAU, Junagadh				
Book	Dr. H. D. Rank,	2010	Water Management Research for Cotton for Irrigation Engineer and Planner.	LAMBERT Publishing Germany entitled				