

BIODATA OF
PROF. V.B. VAIDYA



Assistant Professor of Agricultural Meteorology
Department of Agricultural Meteorology
B.A. College of Agriculture
ANAND AGRICULTURAL UNIVERSITY
ANAND – 388110
GUJARAT

RESUME

1. Name : **VIDYADHAR BHASKAR VAIDYA**
2. Date of Birth: 19 - 05 - 1966. Sex: Male.
3. Father's Name: Bhaskar Govind Vaidya.
4. Postal Address : **Office:** Assistant Professor of Agricultural Meteorology
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5. Educational Qualification:

Examination Passed.	University/ Board.	Year of Passing.	Division (%) of marks.	Subjects.
i. S.S.C.	Nagpur	March 1982	1 st with distinction. (76.86%)	Marathi, Hindi, English, Mathematics, Science, Social Science.
ii. H.S.S.C.	Nagpur	March 1984	2 nd (58.83%)	Marathi, English, Mathematics and Statistics, Physics, Chemistry, Biology (Botany and Zoology.)
iii. B.Sc. (Agriculture)	Panjabrao Krishi Vidyapeeth, Akola, M.S.	June 1988.	1 st C.G.P.A. (3.46/4.00) 81.9%	All Agricultural subjects.
iv. M.Sc. (Agri.) in Agril. Meteorology	Mahatma Phule Krishi Vidyapeeth Rahuri. M.S.	April 1992.	2 nd C.G.P.A. (2.98/4.00) 76.40 %	Agricultural Meteorology*

* Courses offered at M. Sc. level.

Major Courses: -

Physical Meteorology, Physical and Regional Climatology, Agricultural Meteorology, Applied Agricultural Climatology, Micrometeorology, Crop Weather Modification, Biometeorological Instrumentation and Observation, Crop Modeling, Hydrometeorology, Aero-biometeorology, Environmental Physics, Computational Techniques, Seminar I & II.

Minor Courses: -

Statistical Methods, Principles of Plant Physiology, Mathematics for Agricultural Meteorology, Soil Physics, Physiology of Growth and Yield.

Title of Thesis (M. Sc.): -

"Study of Soil Temperature and Soil Moisture Regimes under Different Mulches."

6. Professional Training (National Level)

Sr. No	Organization.	Period	Details of Training	Lead by
1.	Center of Advanced Studies in Agricultural Meteorology (CASAM) College of Agriculture Pune-5.	15-25 January 1990.	Micrometeorological Measurements in Agriculture.	Dr. S.B. Verma, University of Nebraska, Lincoln, U.S.A.
2.	CASAM, College of Agriculture, Pune-5.	04-06 October 1990.	National Workshop on Crop Modeling.	Dr. J.T. Ritchie, Michigan State University, Michigan, U.S.A.
3.	CASAM, College of Agriculture, Pune-5.	2-3 May. 1991.	National Seminar on Hydrometeorology.	Dr. M.J. Mc'farland, Texas A and M University, Texas, U.S.A.
4.	Center for Atmospheric Sciences, Indian Institute of Technology (IIT), Hauz Khas, New Delhi.	2-21 December. 1996.	Intensive Course on Use of Statistical Methods in Weather Prediction and Analysis.	Dr. U.C. Mohanty, F.A.Sc. Professor, CAS, IIT, New Delhi.
5.	Indian Institute of Tropical Meteorology. (I.I.T.M.), Pashan, Pune.	23-12-1996 to 6-1-1997.	Training course on Agro-meteorology for Scientists of AMFU of The NCMRWF, DST, New Delhi.	Dr. G.B. Pant, Deputy Director, I.I.T.M., Pune.
6.	Center for Development of Telematics. (C-DOT), Bangalore.	10-12 June, 1998.	Training course in ISD-16 VSAT system	Mr. D. Ravi, Sr. Program Manager, C-DOT, Bangalore.
7.	Central Research Institute for Dryland Agriculture (CRIDA),	27 Nov. to 09 Dec., 2000.	Training Workshop on Agroclimatic Analysis and Database	Dr. Y.S. Ramakrishna, Project Coordinator, AICRP on

	Hyderabad.		Management Techniques.	Agrometeorology, CRIDA, Hyderabad
8.	Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad	8 to 10 November, 2006.	International Training Workshop on “ Climate and Crop Disease Risk Management: An International Initiative ”	Dr. K.J. Boote (USA) and Dr. C.J. Stigter (The Netherlands)
9.	Centre of Advanced Faculty Training in Agril. Meteorology. College of Agriculture, Pune – 5 (MS)	2-22, September, 2014	National Training on “ Crop Micrometeorology ”	Director, CAFT in Agril. Meteorology, Pune

Employment Record:-

Sr. No.	Name of employer	Designation of post held	Pay scale	Nature of duties	Period		Reason for leaving
					From	To	
1.	The Vice Chancellor, Anand Agricultural University, Anand – 388 110 (Gujarat)	Assistant Professor of Agricultural Meteorology, Department of Agril. Meteorology, BACA, AAU, Anand-388 110	Rs. 15600-39100 + admissible allowances	Teaching UG/PG courses of Agril. Meteorology and Departmental Research work	04-09-2006	Till date to	continuing
2.	The Director of Research, M.P.K.V., Rahuri., CASAM, College of Agriculture, Shivaji Nagar, Pune. 411005. M.S., India.	Research Associate (Agril. Meteorology)	Rs. 11500 + HRA (15%)	Work of Weather based Agro-advisory Services scheme	04-12-1993	31-08-2006	Appointed as Assistant Prof. of Agricultural Meteorology at AAU, Anand (Gujarat)
3.	The Principal, Shri Shivaji Agriculture College, Morshi Road, Amravati. 444 603. M.S. India.	Part Time lecturer in Agril. Meteorology.	Rs. 600/- fixed p.m.	Teaching of Agricultural Meteorology (Met-111) For B.Sc. (Agri.) course.	5-8-1993	30-11-1993.	Joined as SRA/RA at CASAM, Pune
4.	The Principal, New High-school and Junior College (Belpura branch), Amravati - 444 606. M.S., India.	Lecturer in Crop Science.	Rs. 1640-2900 pay scale.	Teaching of Crop Science Subject to MCVC of XI and XII Standard.	7-9-1992	30-11-1993.	Joined as SRA/RA at CASAM, Pune

Total experience after M. Sc. (Agri. Met.) from 07-09-1992 to 31-03-2019 is **26 years and 7 months**

Achievements:

- i. Recipient of ***Metos Award 2001*** for the best presentation in ‘Economic impact category’ sponsored by M/S METOS Instruments India Pvt. Ltd., New Delhi at the X Annual Review Meeting of Agro-advisory Services of National Centre of Medium Range Weather Forecasting (NCMRWF), Department of Science and Technology (DST), Government of India held at Acharya Narendra Deo University of Agriculture and Technology, Faizabad (UP) during **17-19 October, 2001**.
- ii. Recipient of ***Sipani Krishi Anusandhan Farm Award 2009*** for Best research paper in 2009 conferred by Asian Agri-History Foundation Secunderabad (India) for the paper entitled “Forecasting and Validation of Rainfall for Barshi in Maharashtra Based on Astro-meteorological Principle of Rainfall Conception” written by Varshneya, M.C., Nanaji Kale, V.B. Vaidya, P.V. Kane and Vyas Pandey. 2009. *Asian Agri-History*, Vol. 13, No. 3, pp. 189-196.
- iii. Cleared **National Eligibility Test (NET)** conducted by ASRB, ICAR, New Delhi in the discipline of **Agronomy and Agricultural Meteorology** in October, 2010.
- iv. Honored to compile the Proceedings of the seminar on '**Prediction of Rainfall Based on Astrological Methods and Local Practices**' along with Prof. M.C. Varshneya, Head, Department of Agricultural Meteorology, Pune -5. This seminar was organized by CASAM, AC, Pune and sponsored by ICAR, New Delhi on 02-02-2002 and published as an University publication bearing a publication no. MPKV/Res. Pub. No. 39.
- v. Awarded Indian Council of Agricultural Research (ICAR), New Delhi, **Junior Fellowship** for M. Sc. (Agri.) in Agricultural Meteorology for two years period (July, 1988-June1990).
- vi. Participated in **Nine** short term Courses of National level in the field of Agricultural Meteorology, Weather Forecasting and Satellite Communication.
- vii. Recognized as PG teacher in Meteorology (Agricultural Meteorology) by Anand Agricultural University, Anand vide letter no. AAU/DR/RES/T-5/4994-5109/2009, dated 23-11-2009.
- viii. Selected as staff advisor in Student Representative Council of BACA, AAU Anand since Dec., 2009 vide Office Order No. AAU/BACA/SRC/2009-10/4897-4926/2009, Dated 08-12-2009.
- ix. Delivered guest lectures at Anand, Vadodara, Bikaner, Pune, Amravati, Surat, Hyderabad and Wardha on the various topics in the field of **Agricultural Meteorology**.
- x. Actively participated in Farmer's rallies (***Krishi- Melawa***) organized by Shri Shivaji Krishi Mahavidyalaya, Amravati and also participated in the monthly Field Visit &

District Workshop organized by Training and Visit system of Pune District, Department of Agriculture, Government of Maharashtra as an expert of **Agro-meteorology**.

xi. Privileged to learn from many (12) internationally reputed scientists (Consultants) from the countries like U.S.A., The Netherlands, U.K., Canada, Italy etc. of the field of Agricultural Meteorology at CASAM, Pune, during my Master's Programme.

- xii. Member of,
- a. Life member of Association of Agro-meteorologist, AAU, Anand (India) from 2006.
 - b. Indian Meteorology Society (Pune chapter) from April 1995.
 - c. Founder member and Joint Secretary of Indian Association of Astro-Meteorologists, Pune (India) from 2002.
 - d. Member of Meteorological Advisory Committee of ambitious project for Shri. Yogiraj Ved-Vijnan Ashram- Barshi (MS), India on Vedic Rain Induction Technology from 2003 and *Saumic Suvrushti Project* during 2005-06 to till date.
 - e. Founder member and Organizing Secretary of *Vigyan Gurjari* (A Gujarat state unit of *Vijnan Bharati* (Swadeshi Science Movement of India) from May, 2009.

xiii. Presented Annual Progress Report of '**Experimental Agro-advisory Services**' of Pune centre for the year 1995-96 at Raipur, for the year 2000-2001 at Faizabad (UP), 2003-04 at AAU, Anand and for the year 2004-05 at Assam Agricultural University, Jorhat (Assam).

xiv. Worked as a core faculty member of CASAM, Pune in fifteen (**15**) national level training programs organized by CASAM and sponsored by ICAR, New Delhi viz.

1. 'Data Collection and Acquisition Techniques', during 2-17, Feb., 1997,
2. "Agricultural Production and Protection Meteorology " during 16 Feb.-7 March, 1998,
3. "Crop Modelling" during 14 Sept. to 12 Oct., 1998,
4. "Crop Micrometeorology" during 5 October to 4 November, 1999,
5. "Crop Modelling" during 14 Feb. to 14 March, 2000,
6. "Crop Modelling" during 28th September to 18th October, 2000,
7. "Crop Micrometeorology" during 13 March to 11 April 2001,
8. "Crop Modelling" during 13 February to 14 March 2002,
9. "Crop Micrometeorology" during 3 December to 30 December, 2002,
10. "Agricultural Meteorology for teachers of undergraduate colleges" during 15 January to 11 February 2003,
11. "Agricultural Meteorology for Teachers of undergraduate colleges" during 15 January to 04 February 2004,
12. "Crop Micrometeorology" during 26 February to 15 March, 2004,
13. "Agricultural Meteorology for Teaching Graduate Courses" during 9th December 2004 to 29th December 2004
14. "Fundamentals of Agricultural Meteorology" during 8-28 December, 2005, held at CASAM, Agriculture College, Pune (M.S.).
15. "Basic Principles of Crop Micrometeorology" during 17 Feb. to 09 March, 2006.

xv. Invited as a guest lecturer for the national level training programs sponsored by ICAR, New Delhi and organized at Department of Agricultural Meteorology, CASAM, Pune and other prominent institutes.

1. "Fundamentals of Agricultural Meteorology" from 01 to 21 December, 2006.
2. " Basic Principles of Crop Micrometeorology" from 06-26, March, 2007.
3. "Fundamentals of Agricultural Meteorology" from 06 to 26 February, 2008.
4. " Basic Principles of Crop Micrometeorology" from 05-25, March, 2008.
5. "Fundamentals of Agricultural Meteorology" from 08 to 28 January, 2009.
6. " Basic Principles of Crop Micrometeorology" from 18-2 to 10 March, 2009.
7. "Fundamentals of Agricultural Meteorology" from 06 to 26 March, 2010.
8. Workshop on "Climate change and its impact on Agriculture" on 18-08-2010 at EEI, AAU, Anand.
9. "Crop Micrometeorology" from 2nd to 22nd February, 2011.
10. Workshop on "Mainstreaming Agriculture for Climate Change Mitigation" on 10-08-2011 at EEI, AAU, Anand.
11. Lecture at GH Patel College of Engineering and Technology, VV Nagar on 07-10-2011.
12. "Crop Micrometeorology" from 8th to 28th December, 2011.
13. "Climates 2012 – Climatology" from 08-17, June, 2012.
14. Delivered key note address on "Weather Forecasting" in National Conference held at Bikaner (Rajasthan) on 17-07-2012 organized by Takshashila Institute of Scientific and Social Research, Bikaner.
15. "Crop Micrometeorology" from 8th to 28th December, 2012.
16. "Crop Micrometeorology" from 4th to 24th December, 2013.

xvi. I helped nearly Sixty (60) M. Sc. (Agri. Met.) students in their research and analysis work during their master's program which is duly acknowledged by them in their M. Sc. thesis.

xvii. I co-authored the very important book chapter on "**Rainfall**" in the ICAR text book writing scheme. The text book on "**Agricultural Meteorology**" is published by ICAR, New Delhi, in May 2003, an only standard text book on the subject of Agricultural Meteorology.

xviii. I have attended short term training program on

1. "**Sarvangin Gram Vikas**" organised by "Mahatma Phule Krishi Pratishtan" Aurangabad (M.S.) during 04-02-1999 to 08-02-1999 and
2. Two day training workshop organized by Department of Agriculture, MS, Pune during 12-13 June, 2004 on "**WTO and Agriculture**".

xix. I was working as a

- 1) Director in "**Shri Shivshakti Gram Vikas Sanstha,**" Kanhwadi (Bk.), Taluka Khed, Dist. Pune since May, 1998 to 2003. This village was chosen by Government of Maharashtra as a "**Adarsha Gram**".
2. A member of **Integrated Rural Development** of Pune district of NGO since 1998-2003,

3. **Coordinator in the study group of “WTO and Agriculture”** at Shrama Seva Nyas, Pune during 2002 to 2006,
4. A member of **“Pune Krishi Charcha Gat”** (Pune Discussion Group) from 2004-2006 constituted of group of retired agricultural scientists from Universities and Department of Agriculture and
5. Core member of **“Organic farming study group namely “Towards Zero Input Agriculture”** and **“Ayurved based Agriculture”** lead by Mr. Vijay Bhat, a renowned scientist of Organic Farming of Pune from 2004 to 2006. All these groups were running by NGO’s of Pune.
6. Founder Member of ‘Meteorological Advisory Group’ formed under chairmanship of Hon’ble Ex-VC, AAU, Anand for Research in Ancient techniques for rainfall forecasting and rainfall enhancement at Shri. Yogiraj Ved Vijnan Ashram, Barshi (MS) from 2004 to till date.
7. I was invited as technical expert in the field of Agricultural Meteorology for **“Workshop for Samskrut syllabus for B.Sc. (Agri.)”** organized by Samskrut Bharati, Pune, Pradnya Vikas Pratisthan Pune and Shaswat Samskruti Pratisthan, Mahuva (Gujarat) during 23-24, July, 2011 at Tilak Smarak Mandir, Pune and Somnath Sanskrut University, Veraval during 14-16, October, 2011.

xx. Participated in the International Training Workshop on **“Climate and Crop Disease Risk Management: An International Initiative”** organized by Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad during 8 to 10 November, 2006.

xxi. Deputed by AAU, Anand in Two day Workshop on **“Opportunities and Challenges for Future Generation in Leadership”** Organized by Gujarat Chamber of Commerce & Industry and International School for Public Leadership, Ahmedabad during 26 and 27 December, 2008.

xxii. Participated and presented a paper entitled **“Performance and Evaluation of Saumic Suvrushthi Project in India”** written by V.B. Vaidya, M.C. Varshneya and Ketan Kale in the **“2nd World Congress on Vedic Sciences”** held at Banaras Hindu University, Varanasi between 09 to 11 February, 2007, vide sanction letter from Director of Research, AAU, Anand, No. AAU /DR /T2 /192/2046/ 07 dated 14-02-2007.

xxiii. Contributed in Development of **Monsoon Research Almanac-2007, 2008, 2009, 2010,2011 and 2012** prepared by Anand Agricultural University, Anand published in April, 2007, 2008, 2009,2010,2011 and 2012 by AAU, Anand both in Gujarati and English. This was used extensively by the Scientists and Agricultural officers of Gujarat state during **Krishi-Mahotsav-2007, 2008, 2009, 2010, 2011 and 2012**. I got certificate of appreciation from Director of Extension Education, AAU, Anand for this work.

xxiv. Contributed in a International book chapter on **“Preparation of Agroclimatic Calendar”** written by Varshneya, M.C., Vyas Pandey, V.B. Vaidya and B.I. Karande, for a Book entitled **“Food and Water Security: An Integrated Strategy for Food Security in the Developing Countries”**, Editor Prof. U. Ahwathanarayana, Honorary Director, Mahadevan International Centre for Water Resources Management, Hyderabad, India, is published by Taylor and Francis (U.K.).

xxv. Passed CCC⁺ examination of computer science (recognized by Govt. of Gujarat) conducted by Sardar Patel Institute of Public Administration (SPIPA), Ahmedabad (Gujarat state) in October, 2007.

xxvi. Presented two oral and two poster presentations in “**International Symposium on Agrometeorology and Food Security (INSAFS)**” organized by Association of Agrometeorologists, Anand and CRIDA, Hyderabad, held at CRIDA, Hyderabad during 18-21 February, 2008.

xxvii. Presented a research work done on “**Performance and Evaluation of Somayajnas in MP**” by AAU, Anand and Shri. Yogiraj Ved Vijnan Ashram, Barshi (MS) at a meeting called by Director General (MPCST), Madhya Pradesh Council of Science and Technology (MPCST), Bhopal (MP) on 16th March, 2009 and on “**Saumic Suvrushti Project**” at BAPS Swaminarayan Research Institute (AARSH), Akshardham, New Delhi on 03-04, August, 2010.

xxviii. Prepared and submitted two/three research project proposals to the Ministry of Earth Sciences, Govt. of India, New Delhi as Co-PI entitled

1. Project Title: “**Application of Ancient Rain Induction Technique and their scientific validation over Narmada and Tapi catchments areas of MP and Gujarat,**” for total budget of Rs. 4,66,96,900/-.
2. Project title:- “**Validation of Ancient Techniques of Rain Conception and Rain Delivery (RCRD) in Long Range Rainfall Prediction**” for total budget of Rs. 77.36 lakh.
3. Project Title:- “**Development of Astro-meteorological Rainfall Prediction model for Gujarat**” for total budget of Rs. 56,11,000/-.

xxix. Prepared Policy paper and made presentation on “*Policies for Rain Prediction and Climate Change*” in two workshops on “**Agricultural Policies of India**” held at FPT and BE college, AAU, Anand during 14 and 15 February, 2014 and at Navsari Agricultural University, Navsari during 11 to 13, May, 2014. These workshops were jointly organized by Anand Agricultural University, Anand, Navsari Agricultural University, Navsari and Institute of Rural Development and Education, Pune. This will be published as ICAR, New Delhi publication.

xxx. Invited as External Examiner by Junagadh Agricultural University to conduct Viva-Vocae examination of M.Sc. (Agri.) in Agricultural Meteorology student during 2014.

xxxi. Invited as Judge (in Agriculture Stream) in 29th Young Scientist conference organized and held at Madhya Pradesh Council of Science and Technology (MPCST), Government of Madhya Pradesh, Bhopal during 28 Feb., - 01 March, 2014.

xxxii. Honored to edit A Compendium of Papers and Abstracts of International Conference on Food, Water, Energy Nexus in Arena of Climate Change” held during October 14-16, 2016 at AAU, Anand, Gujarat, India, organized and Published by by Anand Agricultural University and NCCSD, Ahmedabad, p. 1-274.

xxxiii. Actively involved in “*Vijnana Bharati*” (One of the largest organization of scientists in India) and working as an **Organizing Secretary** of Gujarat state from May, 2009 to 30-04-2016. Presented annual report of Gujarat state work of Vijnana Bharati in four Annual General Body Meetings (AGM’s) were held at Mumbai (2009), Goa (2010), Bengaluru (2011) and Vadodara (2012). Acted as Co-ordinator for Rashtriya Urja Jan-Jagaran Yatra for Gujarat state organized by Vijnana Bharati and supported by Ministry of New and Renewable Energy Resources, Govt. of India, New Delhi (West zone yatra from Rajkot to Nagpur) from 16-26, January, 2011 and successfully organized National AGM of Vijnana Bharati at MSU campus Vadodara during 09-10 June, 2012. Elected as **President of Vigyan Gurjari** (Gujarat State) from 30-04-2016.

xxxiv. Working as a National Convener of Group on “**Ancient Indian Agriculture and Agrometeorology**” under the umbrella of Vijnana Bharati from 29/01/2017.

xxxv. Invited to act as Chairman of Technical Session on “**Ancient Agrometeorology**” in 5th Bharatiya Vidnyan Sammelan (BVS-2017) on “Confluence of Traditional and Modern Sciences – A new Integral Vision for Development” organized by Vijnana Bharati, Govt. of Maharashtra and Deccan Education Society at Fergusson College, Pune (MS) during 12-14, May, 2017.

xxxvi. Worked as **Organizing Secretary** for National Conference on “Developing climate service; along with weather forecast for Building climate smart farmers” held on 30-06-2017 at AAU, Anand, jointly organized by Anand Agricultural University Anand and NCCSD, Ahmedabad.

xxxvii. Worked as **Co-Chair in Local Organizing Committee** of 8th World Ayurved Congress organized by Ministry of Ayush, GoI, Govt. of Gujarat, World Ayurved Foundation (Vijnana Bharati) at Gujarat University Convention Centre, Ahmedabad during 14-17, December, 2018.

xxxviii. As President of Vigyan Gurjari (Gujarat State) successfully organized three State Level Camps of Vidarthi Vigyan Manthan (VVM) a) at Urmi School, Vadodara (in 2017), b) at ARIBAS, Vidyanagar (in 2018) and c) in NVPAS, Vidyanagar (in 2019) sponsored by Vigyan Prasar (DST, GoI, New Delhi), NCERT (MHRD, GoI, New Delhi) and Vijnana Bharati (New Delhi).

Summary of Publication:

I. Research Papers Published:-	39
II. Technical:-	
i. International seminar:	14
ii. National seminar:	33
iii. Technical book chapters:	34

iv. No. of invited lectures in National level training	172
III. Book edited/published:	05
IV. Popular Articles: (Magazines, Newspapers and Internet)	36
V. TV Talk	01
VI. Research paper sent for publication:	14

Total :-348

Articles published by Prof. V.B. Vaidya up to January, 2019.

A. Research articles

1. Vaidya, V.B., M.C. Varshneya, and N.L. Bote. 1994. Effect of legume cultivation in *kharif* season on the Yields of Subsequent Rabi Sorghum. *J. Maharashtra Agric. Univ.* 19(3): 469-470.
2. Vaidya, V.B., M.C. Varshneya, N.L. Bote and T.R.V. Naidu. 1995. Estimation of Thermal Efficiency and Apparent Reflectivity of Mulches Using Soil Temperatures. *J. Maharashtra agric. Univ.* 20(3): 341-344.
3. Varshneya, M.C. and V. B. Vaidya. 1999. Relationship of Diseases in Grape with Abiotic Factors. Proceedings of the National Workshop on “*Dynamic Crop Simulation Modeling for Agrometeorological Advisory Services*”, New Delhi, India. Jan. 4-6, 1999. pp 231- 238.
4. Vaidya, V.B. 2000. The methods of Rainfall Forecasting for Agriculture. *Asian Agri-History* Vol. 4, No. 4, (October-December, 2000), pp. 297-310.
5. Vaidya, V.B. 2004. “The long range forecast of Monsoon with Astronomy and local observations for Maharashtra” a short communication published in *Asian Agri-History*, Vol. 8, No. 4, (October-December, 2004), pp. 323-324.
6. Bhat, V.V., V.B. Vaidya and R.M. Joshi. 2005. “Indian Technology for Rain Prediction and Water Management”, In Proceedings of International Conference on “*Agricultural Heritage of Asia*” held during 6-8 December, 2004, published by *Asian Agri-History* Foundation, Secunderabad (India), Ed. by Dr. Y.L. Nene, pp. 137-146.
7. Kale, Ketan, T. Venugopal, V.B. Vaidya and Mrigendra Vinod. 2004. “Rain Induction through Vedic Technology”. In Proceedings of *Ist World Congress on Vedic Sciences* organized by Vijnan Bharati, Bangalore (India) during 09-13 August, 2004 at Bangalore (India), Ed. by B.L. Krishnamurthi and K.I. Vasu, General Section – 9, pp. 56-59.
8. Vaidya, V.B. and Sabale, R.N. 2007. A Correlation Study of Shoot Fly Pest incidence for Sorghum. *J. Maharashtra Agric. Univ.* 32(1): 105-107.
9. Vaidya, V.B., B.I. Karande, Vyas Pandey, M.M. Lunagaria and A.M. Shekh. 2008. Rainfall Probability Analysis and Crop Planning in Gujarat State. *Journal of Agrometeorology (Special issue – part I)*, vol. 10: 183-185.
10. Varshneya, M.C., V.B. Vaidya, Vyas Pandey, A.M. Shekh and B.I. Karande. 2008.

- Validation of Astrometeorological Rainfall forecast for Gujarat. *Journal of Agrometeorology*, Vol 10, Special issue-part II, pp.345-348.
11. Vaidya, V.B., Vyas Pandey, M.M. Lunagaria and A.M. Shekh. 2008. MAI based Crop Planning in Assured Rainfall Region of South Gujarat. *Journal of Agrometeorology*, Vol. 10, (Special issue- part II), pp. 467-469.
 12. Varshneya, M.C., V.B. Vaidya, Vyas Pandey, L.D. Chimote, K.S. Damle, A.M. Shekh and B.I. Karande. 2009. Forecasting of Rainfall for Gujarat based on Astrometeorology. *Asian Agri-History*, 13 (1), pp. 25-37.
 13. Varshneya, M.C. V.B. Vaidya, Vyas Pandey, A.M. Shekh, B.I. Karande and Kedar Damle. 2009. Validation of Astro-meteorological Rainfall Forecast for Gujarat, *Asian Agri-History*, Vol. 13, No.3, pp. 181-188.
 14. Varshneya, M.C., Nanaji Kale, V.B. Vaidya, P.V. Kane and Vyas Pandey. 2009. Forecasting and Validation of Rainfall for Barshi in Maharashtra Based on Astro-meteorological Principle of Rainfall Conception. *Asian Agri-History*, Vol. 13, No. 3, pp. 189-196.
 15. Varshneya, M.C., V.B. Vaidya, Vyas Pandey and B.I. Karande. 2009. Agrometeorology – Needs, approaches and linkages for rural development. *Journal of Agrometeorology*, Vol. 11 (Special Issue): 1-10.
 16. Varshneya, M.C., V.B. Vaidya, Vyas Pandey and K.S. Damle. 2009. Validation of rainfall forecast of Gujarat predicted by Monsoon Research Almanac. *Journal of Agrometeorology* Vol. 11 (Special Issue): 175-179.
 17. Varshneya, M.C., Vyas Pandey, V.B. Vaidya, Nanaji Kale, Mrugendra Vinod, Manoj Deshpande and K.S. Damle. 2010. Validity of Rain Conception and Rain Delivery (RCRD) Model in Long Range Rainfall Prediction based on Ancient Literature. *Asian Agri-History* vol. 14, No. 1, pp. 95-101.
 18. Varshneya, M.C., V.B. Vaidya, Vyas Pandey, L.D. Chimote, K.S. Damle, A.M. Shekh and B.I. Karande. 2010. Forecasting Rainfall for 2010 of Gujarat based on Astro-meteorology. Published on International Society for Agrometeorology (INSAM) website on 19/05/2010, p. 1-6.
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34. S.S. CHINCHORKAR, P.K.SINGH, V.B.VAIDYA and VYAS PANDEY. 2014. Inter annual variability and trends of southwest monsoon rainfall over Anand in Gujarat state. *Mausam*, 65, 4 (October, 2014), pp. 553-558.
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36. Varshneya, M.C. and V.B. Vaidya. 2015. 'Policies for Rain Prediction and Climate Change', In "Perspective Policies for Indian Agriculture", Eds. M.C. Varshneya and Anil Jawalekar, Pub. by Uttan Krushi Sanshodhan Sanstha, Keshavrushti, Uttan Road, Bhayandar (W), Dist. Thane – 401106 (MS), ISBN: 978-93-5254-417-2, pp.100-117.
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39. Late Sri Nanaji Kale, Anand Gaikwad, Raghunath Kale and Vidyadhar Vaidya. 2018. Suvrushti: Validation of Rain Conception Rain Delivery (RCRD) Theory of Varah Mihir for Monsoon 2016. Asian Agri-History, vol. 22 (2), p. 19-35. DOI: 10.18311/aah/2018/20094, (ISSN Print):0971-7730.

Popular Articles Published:

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3. Popular article in Marathi "*Pune parisaratil 1996 cha paus ani pik paristhiti* " (The rainfall and crop condition of Pune area in 1996) By M. C. Varshneya and **V.B. Vaidya**. 1997. In *Saptahik Bhumata Nirdhar*, vol. 1(33-34), p. 11. (16-29 March, 1997).
4. Popular article in Marathi "*Draksha pikavaril bhuri rogachya pradurbhavacha havamanavar adharit anda*"(Weather based forecasting of powdery mildew on grape). By M. C. Varshneya, S.V. Khandge and **V. B. Vaidya**. 1997. In *Drakshavritta*, a Souvenir of Maharashtra Grape Growers Association, Pune, (October 1997), pp. 57-59.
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9. A short communication published in Marathi "***Khagolshastriya padhhatine pavasacha andaj vartavinyachya padhhatila shastradnyanch manyata***" (Recognition of scientific community for rainfall forecasting based on astronomy). By **V.B. Vaidya**. 2000. In *Grahankit* masik, a monthly published from Pune. (February, 2000). pp. 50-51.
 10. A short communication published in Marathi "***Khagolshastriya padhhatine pavasacha andaj vartavinyachya padhhatila shastradnyanchi manyata***" (Recognition of scientific community for rainfall forecasting based on astronomy). By **V.B. Vaidya**. 2000. In *Phalbaug Vritta*, a monthly published from Pune. (June, 2000). pp. 29.
 11. Popular article in Marathi "***Ajachya vatavaranatil shashvat shetiche krishi havamanashtra***" (Agro-meteorology of sustainable agriculture in today's environment). 2002. By **V. B. Vaidya**. In "***Usmala***" Deepavali Visheshank, 2002, pp 76-77.
 12. Popular article in Marathi "***2004 Madhil Parjanyaaman***" (Rainfall pattern in 2004). By Galande, K.T., R.N. Sabale and **V. B. Vaidya**. In "***Vikalpa-vedh***" IV (11) issue of 16 to 30 June, 2004, pp 5-6.
 13. Popular article in Marathi "***2004 Havamanacha Andaj- Krishi vishayak salla***"(Weather forecasting and agro-advisory in 2004). By Galande, K.T., R.N. Sabale and **V. B. Vaidya**. In "***Susamvad***" I (11) issue of June, 2004, pp 14-15.
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23. M. C. Varshneya and V.B. Vaidya. 2011. Development of Agriculture in next 20 years. In a Book “Samartha Bharat” Ed. by Shankar R. Talghatti, published by Swami Vivekanad Smruti Samiti, Kothrud, Pune (MS), pp.159-172.
24. M.C. Varshneya, V.B. Vaidya, Vyas Pandey, A.M. Shekh, L.D. Chimote and K.S. Damle. 2012. Rainfall Forecast of Gujarat for Monsoon 2012 based on Monsoon Research Almanac-2012. “Commodity World”- Varsad Vartaro Visheshank, May, 2012, organized by Champion Agroworld Varsad Vartaro Parisamvad on 13-05-2012 at Rajkot (Gujarat), pp. 12.
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26. Chinchorkar, S.S., V.B. Vaidya and Vyas Pandey. 2012. Long Range Forecast of South-West Monsoon Rainfall -2012 for different Region of Gujarat. Readers Shelf Magazine, Vol. 8, Issue No. 11 (August, 2012), pp. 11-15.
27. Nanaji Kale, Vijayanti Kale and V.B. Vaidya. 2016. Rain Prediction for the year 2016 based on Rain Conception Rain Delivery (RCRD) theory of Acharya Varahmihir. In Proceeding – Samput of 22nd Varsha Vidnyan Parisamvad, eds. J.D. Gundalia, P.R. Kanani, M.C. Chopada, G.R. Gohil and B.N. Kalsaria, organized by Varsha Vidnyan Mandal and Junagadh Agricultural University, Junagadh, pp. 96-97.

C. Articles Published on Internet at website,

1. Popular article in English **“The methods of Rainfall Prediction for Agriculture”** By **V.B. Vaidya**, 2000 on www.krishiworld.com
2. Popular article in Marathi **“Ajachya vatavaranatil shashvat shetiche krishi havamanashtra”** (Agro-meteorology of sustainable agriculture in today’s environment). 2000. By **V. B. Vaidya**. On www.krishiworld.com
3. Popular article in Marathi **“Krishihavamanshastratil sanshodhanache vargikaran-ek adhava”** (A review of classification of research in Agro-meteorology). 2000. By **V.B. Vaidya**. On www.krishiworld.com
4. Popular article in Hindi **“Bavanvi Shati Ke Pahale Do Dashakome Bhartiya Krishi Ka Paridrishya Evam Swaroop”** (Perspective of Indian Agriculture in coming two Decades). Varshneya, M.C. and **V.B. Vaidya**. 2000. on www.krishiworld.com

5. Vaidya, V.B. , Kedar Damle and Vyas Pandey. 2010. Report on Validation of rainfall forecast given by AAU Monsoon Research Almanac-2010. Published on International Society for Agrometeorology (INSAM) website www.agrometeorology.org.in October, 2010, p. 1-4.
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7. Vaidya, V.B. , Kedar Damle and Vyas Pandey. 2011. **Report on Validation of rainfall forecast given by AAU Monsoon Research Almanac-2011**. Published on International Society for Agrometeorology (INSAM) website www.agrometeorology.org., under “Accounts of operational agrometeorology” dated 18-10-2011, p. 1-4.
8. M.C. Varshneya, V.B. Vaidya, Vyas Pandey, A.M. Shekh, L.D. Chimote and K.S. Damle. 2012. **Rainfall Forecast – 2012** (Monsoon Research Almanac) Published on the website of International Society for Agrometeorology (INSAM) on 13-04-2012, (www.agrometeorology.org under accounts –of-operational agrometeorology) , pp. 1- 6.
9. Nanaji Kale and V.B. Vaidya. 2013. Evaluation of Saumic Suvrushti Project in Madhya Pradesh. Published on website of Vishwa Samvad Kendra, Bharat, <http://www.vskbharat.com//Encyc/2013/1/19/Evaluation-of-Saumic-Suvrushti-Project-inMadhyaPradesh.aspx?NB=&lang=2002&m1=&m2=&p1=&p2=&p3=&p4=>, pp.1-4.

D. Papers Presented in Seminars

a. Research paper presented in International Seminars/Workshops/Symposiums.

1. Varshneya, M.C., R.N. Sabale, N.L. Bote, S.S. Salunke, B.I. Karande, **V.B. Vaidya** and D.B. More. 2000. **“Simulation of growth parameters by CERES sorghum model”**. A paper presented in the 2000 Annual Meetings of American Society of Agronomy, Crop Science Society of America and Soil Science Society of America on November 5-9, 2000 held at Convention Centre, Minneapolis, MN, Indiana, USA.
2. Kale, Ketan, T. Venugopal, **V.B. Vaidya** and Mrigendra Vinod, 2004. **“Rain Induction through Vedic Technology”**. A paper was presented in 1st World Congress on Vedic Sciences organized by Vijnan Bharati, Bangalore (India) during 09-13 August, 2004 at Bangalore (India). Abstract published in “*Shruti*” Souvenir of World Congress on Vedic Sciences, pp. 210.
3. Bhat, V.V., **V.B. Vaidya** and R.M. Joshi. 2004. **“Indian Technology for Rain Prediction and Water Management”**. A lead paper was presented in First International Conference on Agricultural Heritage of Asia during 6-8 December, 2004, organized by Asian Agri-History Foundation and NAARM (ICAR institute), Hyderabad. Abstract published in Souvenir and Abstracts of conference, pp. 83.
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5. **Vaidya, V.B.**, Vyas Pandey, M.M. Lunagaria and A.M. Shekh. 2008. ***MAI based Crop Planning in Assured Rainfall Region of South Gujarat.*** In Abstracts of “International Symposium on Agrometeorology and Food Security (INSAFS)” held at CRIDA, Hyderabad during 18-21 February, 2008, Abstract No. S7-P₂, pp. 169-170.
 6. **V.B. Vaidya**, B.I. Karande, Vyas Pandey, M.M. Lunagaria and A.M. Shekh. 2008. ***Rainfall Probability Analysis and Crop Planning in Gujarat State.*** In Abstracts of “International Symposium on Agrometeorology and Food Security (INSAFS)” held at CRIDA, Hyderabad during 18-21 February, 2008, Abstract No. S7-O₁₇, pp. 167.
 7. Varshneya, M.C. , **V.B. Vaidya**, Vyas Pandey, A.M. Shekh and B.I. Karande. 2008. ***Validation of Astro-meteorological Rainfall Forecast for Gujarat.*** In Abstracts of “International Symposium on Agrometeorology and Food Security (INSAFS)” held at CRIDA, Hyderabad during 18-21 February, 2008, Abstract No. S₃-O₆, pp. 60-61.
 8. S.E. Phatak and **V.B. Vaidya**. 2008. ***Relation of Monsoon with Earthquakes.*** In Abstracts of “International Symposium on Agrometeorology and Food Security (INSAFS)” held at CRIDA, Hyderabad during 18-21 February, 2008, Abstract No. S₃-P₁₂, pp. 69.
 9. Varshneya, M. C., V.B. Vaidya, Vyas Pandey, B.I. Karande and H.R. Patel. 2010. ***Role of Agriculture to Meet Challenges of Global Warming.*** An invited paper published in CD of International workshop on “Global Warming, sustainable Development, Agriculture and Public Leadership” held during 11-13, March, 2010 at Gujarat Vidyapeeth, Ahmedabad, p. 1-15.
 10. Varshneya, M.C. and V.B. Vaidya. 2014. ***Challenge of climate change specially temperature and radiation on flowering, growth and yield of Mango.*** In Book of Abstracts of Global Conference on “Technological Challenges and Human Resources for Climate Smart Horticulture-Issues and Strategies”, Eds., N.L. Patel, T.R. Ahlawat, C.R., Patel, Y.N. Tandel and Alka Singh, T₄O₄, Organized by NAU, Navsari and ASM Foundation New Delhi, during 28-31, May, 2014, pp. 96-97.
 11. S.S.Chinchorkar^{1*}, V.B.Vaidya² and Vyas Pandey² .2014. Air Temperature (Monthly, Seasonal & Annual) Variability and Trends – A Study to Assess Climate Change on Anand (Gujarat State). In Compendium cum Abstract of International Symposium on “New Dimensions in Agrometeorology for sustainable Agriculture – NASA 2014”, 16-18 October, 2014, 10.19, pp. 366.
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 13. Chinchorkar, S.S., V.B. Vaidya and Vyas Pandey. 2019. Nakshatra based rainfall trend analysis during monsoon season at Anand, Gujarat state, India. In International Symposium on ‘Advances in Agrometeorology for managing climatic risks of farmers (INAGMET- 2019) during 11-13, February, 2019 at JNU, New Delhi.
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b. Research paper presented in National Seminars/Workshops/Symposiums

1. Varshneya, M.C. and **V.B. Vaidya**. 1999. *Disease forecasting model for grape*. A paper presented in National workshop on 'Dynamic Crop Simulation Modeling for Agrometeorological Advisory Service' organized by National Center for Medium Range Weather Forecasting (NCMRWF), Department of Science and Technology at NCMRWF, New Delhi on January, 4-6, 1999. Abstracts Volume. pp. 45.
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5. Varshneya, M.C., R.N. Sabale, P.V. Thanedar, **V.B. Vaidya** and A.K. Hazari. 2004. *Study of variation of rainfall in different regions of Maharashtra*. A paper presented in one day seminar on "Monsoon 2004" sponsored by NCMRWF, Department of Science and Technology, Govt. of India, New Delhi on 15-05-2004 at CASAM, AC, Pune.
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8. Sabale, R.N., B.I. Karande, **V.B. Vaidya**, S.S. Salunke, A.K. Hazari. 2005. *Monsoon rainfall forecasting model for Pune and Solapur during 2005*. A paper presented in one day seminar on "Monsoon 2005" on 20-05-2005 at

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2. Varshneya, M.C., N. Kale, V.B. Vaidya, Vyas Pandey, and B.I. Karande. 2011. **Agromet Information System for Farm Management**. In Book “*Challenges and Opportunities in Agrometeorology*” Eds. Attri, S.D.; Rathore, L.S.; Sivakumar, M.V.K.; Dash, S.K., 1st Edition, 2011, Published by Springer-Verlag Berlin Heidelberg, pp. 263-272.
 3. M.C. Varshneya, V.B. Vaidya and B.I. Karande. 2018. Agrometeorology – Needs, Approaches and Linkages for Rural Development. In “Operational Agrometeorological Services in the World” ed. By N. Chattopadhyay, pub. Capital Publishing company, New Delhi and Springer, Germany (In Press)

II. National Book Chapters

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11. **Vaidya, V.B.** 2001. **Long-wave and Net Radiation**. In “*Crop Micrometeorology*” compiled by M.C. Varshneya and S.S. Salunke, short term training organized by CASAM, Pune and sponsored by ICAR, New Delhi during 5 October to 4 November, 1999. MPKV/Extn. PUB. No. 328/2001. Pp. 18-27.
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2018. Rainfall Prediction by Astrometeorological technique for monsoon 2018 in Gujarat. Invited book chapter --- ed. Pratipatti Ramaiah.

F. Book published:

International Book

1. A Compendium of Papers and Abstracts of International Conference on **Food, Water, Energy Nexus in Arena of Climate Change** , Eds. Vyas Pandey, N.V. Soni, V.B. Vaidya, Nikhil Joshi and A.K. Mishra (2016) held during October 14-16, 2016 at AAU, Anand, Gujarat, India, organized and published by Anand Agricultural University, Anand and National Council for Climate Change Sustainable Development (NCCSD), Ahmedabad (Gujarat), India, p. 1-274.

National Book

2. Honored to compile the Proceedings of the seminar on '*Prediction of Rainfall Based on Astrological Methods and Local Practices*' along with Prof. M.C. Varshneya, Head, Department of Agricultural Meteorology, Pune -5. This seminar was organized by CASAM, AC, Pune and sponsored by ICAR, New Delhi on 02-02-2002 and published as an University publication bearing a publication no. **MPKV/Res. Pub. No. 39.**
3. Book published in English "*Vedic Rain Induction Technology*" authored by Kale, Ketan, T. Venugopal, **V.B. Vaidya** and Mrigendra Vinod, 2005. Published by Shri. Yogiraj Ved Vidnyan Ashram, Kasarvadi, Tal. Barshi, Dist. Solapur (MS)., pp 1-32.
4. Book published in Marathi "*Vedic Parjanyaaprapti Tantra*" authored by Kale, Ketan, T. Venugopal, **V.B. Vaidya** and Mrigendra Vinod, 2005. Published by Shri. Yogiraj Ved Vidnyan Ashram, Kasarvadi, Tal. Barshi, Dist. Solapur (MS)., pp 1-32.
5. Book published in English "*Report on Rain Conception-Rain Delivery Theory of VarahMihir in 31 Somyags performed in MP in the year 2008,2009 and 2010*" authored by Nanaji Kale, **V.B. Vaidya** and Raghvendra Sharma. 2012. Published by Shri. Yogiraj Ved Vidnyan Ashram, Kasarvadi, Tal. Barshi, Dist. Solapur (MS), pp 1-256.

G. TV Talk

1. TV talk delivered on "**Overview of Early Warning System and applications in Gujarat**" in Orientation programme on "Early Warning Systems in India" at BISAG TV Studio, Gandhinagar organized by Gujarat State Disaster Management, Govt. of Gujarat on 01-11-2018.

H. PAPERS SENT FOR PUBLICATION

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3. Popular article in Hindi "*Gram Vikas – Ek chintan*" (Rural Development – A New Thinking). 2008. Varshneya, M.C. and V.B. Vaidya, sent to Prakriti Bharati, Lucknow, pp. 1-4.
4. Varshneya, M. C., B.I. Karande, V.B. Vaidya and Vyas Pandey. 2009. New Frontier of Researches in Agriculture in the Context of Global Warming and Climate Change, sent to Hon'ble VC, BCKV, West Bengal, p. 1-33.
5. M.C. Varshneya, V.B. Vaidya, Vyas Pandey and B.I. Karande. 2009. Environmental Concerns in Farming. A book chapter in edited volume "*Emerging Areas for Farm Sector Development in Developing Societies*" Ed. by Prof. D. Dasgupta, Santiniketan, West Bengal, pp. 1-23.
6. M. C. Varshneya, V.B. Vaidya, Vyas Pandey and B.I. Karande. 2010. Challenges and Options to Mitigate Climate Change in India. An invited book chapter for edited volume on "*Climate Change and Soils*" submitted to GB Pant Univ. of Agri. and Technology, Pantnagar (Uttarakhand), p. 1-29.
10. M. C. Varshneya¹, B. I. Karande² and V. B. Vaidya³. 2016. Mitigation and Adaptation Techniques to Projected Climate Change in India, at Anadaman Science Congress, p. 1-10.
11. Vaidya, V.B. 2016. Estimation of Evaporation by Micrometeorological Methods, In book "Micrometeorology" ed. by S.R. Ghadekar, Agromet publishers, Nagpur (India), pp. In Press)
12. Vaidya, V.B. 2016. Sensible heat transfer in atmosphere, In book "Micrometeorology" ed. by S.R. Ghadekar, Agromet publishers, Nagpur (India), pp. 1-10 (In Press)
13. V.B. Vaidya¹ and B.I. Karande. 2016. Bowen Ratio Energy Balance, In book "Micrometeorology" ed. by S.R. Ghadekar, Agromet publishers, Nagpur (India), pp. 1-15 (In Press).

I. Invited Lectures Delivered as a Core faculty and Invited Guest lecturer in National level Training Programs sponsored by ICAR, New Delhi:

1. Vaidya V.B. 1997. Measurement of Air temperature, canopy temperature and relative humidity," In lecture notes of 'Data Collection and Acquisition Techniques', MPKV/Edn/Pub No.I - 1997, p:60-70.
2. Bote N.L. and V.B. Vaidya. 1997. "Measurement of Soil Moisture." In lecture notes of 'Data Collection and Acquisition Techniques,' MPKV/Edn/Pub No. I – 1997, p: 149-158.
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 6. Vaidya, V.B. and S.V. Rane. 1998. Statistical methods-Multiple regression. National short term training course on "Crop Modelling".
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 101. Vaidya, V.B. 2006. Indian Monsoon. National short term training course on ""Basic Principles of Crop Micrometeorology "(17-2-2006 to 09-03-2006).
 102. Vaidya, V.B. 2006. Condensation, Precipitation and its forms, Mechanism of rain Formation, Types of rain, Thunder, Hail storms. National short term training course on "Fundamental of Agricultural Meteorology" from 01 to 21 December, 2006.
 103. Vaidya, V.B. and S.S. Chinchorkar. 2006. Estimation of PET. National short term training course on "Fundamentals of Agricultural Meteorology" from 01 to 21 December, 2006.
 104. Vaidya, V.B. 2006. Agro-Advisory Services to Farmers based on Forecast. National short term training course on "Fundamentals of Agricultural Meteorology" from 01 to 21 December, 2006.
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 106. Vaidya, V.B. 2007. Air temperature and Sensible Heat Flux. National short term training course on " Basic Principles of Crop Micrometeorology" organized during 06-26 March, 2007.
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 118. Vaidya, V.B. and S.S. Chinchorkar. 2008. DB and WB thermometers and Hair Hygrographs. National short term training course on " Basic Principles of Crop Micrometeorology" organized during 05-25 March, 2008.
 119. Vaidya, V.B. 2009. Condensation, Precipitation and its forms, Mechanism of rain Formation, Types of rain, Thunder and Hail storms. National short term training course on "Fundamental of Agricultural Meteorology" from 08 to 28 January, 2008.
 120. Vaidya, V.B. 2008. Agro-Advisory Services to Farmers based on Forecast. National short term training course on "Fundamentals of Agricultural Meteorology" from 08 to 28 January, 2009.
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 123. Vaidya, V.B. and S.S. Chinchorkar. 2009. Hair Hygrograph, DB and WB thermometers- Humidity measurements. National short term training course on " Basic Principles of Crop Micrometeorology" organized during 18th Feb., to 10th March, 2009.
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 126. Vaidya, V.B. and T.D. Dalvi. 2009. Infrared Thermometer- Measurement of canopy temperatures and application of Stefan's Law. National short term training

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 129. Vaidya, V.B. 2010. Natural and anthropogenic causes of climate change. In workshop on "Climate change and its impact on Agriculture" on 18-08-2010 at EEI, AAU, Anand.
 130. Vaidya, V.B. 2011. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 2nd Feb., to 22nd February, 2011.
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 132. Vaidya, V.B and T.D. Dalvi. 2011. Infrared Thermometer- Measurement of canopy temperatures and application of Stefan's Law. National short term training course on " Crop Micrometeorology" organized during 2nd Feb., to 22nd February, 2011.
 133. Vaidya, V.B. 2011. Natural and anthropogenic causes of climate change. In workshop on "Climate change and its impact on Agriculture" on 10-08-2011 at EEI, AAU, Anand.
 134. Vaidya, V.B. 2011. Natural and anthropogenic causes of climate change. In workshop on "Climate change and its impact on Agriculture" on 07-10-2011 at GCET College of Engineering and Technology, VV nagar, Anand.
 135. Vaidya, V.B. 2011. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 8th to 28th December, 2011, at CAFT, College of Agriculture, Pune (MS).
 136. Vaidya, V.B. 2011. Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 8th to 28th December, 2011 at CAFT, College of Agriculture, Pune (MS).
 137. Vaidya, V.B. 2011. Measurement of canopy temperatures and application of Stefan's Law. National short term training course on " Crop Micrometeorology" organized during 8th to 28th December, 2011 at CAFT, College of Agriculture, Pune (MS).
 138. Vaidya, V.B. 2012. General Circulation – Wind Pressure Distribution. In Training Programme on "Climates 2012 – Camp on Climatology" organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara during 08-17, June, 2012.
 139. Vaidya, V.B. 2012. Weather hazards – Cyclones Tsunami etc. In Training Programme on "Climates 2012 – Camp on Climatology" organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara during 08-17, June, 2012.

140. Vaidya, V.B. 2012. Weather Forecasting. In Training Programme on “Climates 2012 – Camp on Climatology” organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara during 08-17, June, 2012.
141. Vaidya, V.B. 2012. “Weather Forecasting by Ancient and Modern Techniques”, a Key Note address given in National Seminar held at Bikaner (Rajasthan) on 17-07-2012, organized by Takshashila Institute of Scientific and Social Research, Bikaner (Rajasthan).
142. Vaidya, V.B. 2012. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 29th November to 19th December, 2012 at CAFT, College of Agriculture, Pune (MS).
143. Vaidya, V.B. 2012. Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 29th November to 19th December, 2012 at CAFT, College of Agriculture, Pune (MS).
144. Vaidya, V.B. 2012. Measurement of canopy temperatures and application of Stefan’s Law. National short term training course on "Crop Micrometeorology" organized during 29th November to 19th December, 2012 at CAFT, College of Agriculture, Pune (MS).
145. Vaidya, V.B. 2013. “Ancient methods of Rainfall Prediction” an invited talk in workshop on “Organic Farming in the context of Changing Global scenario” organized by Bhartiya Kisan Sangh, Asian Agri-History, Bhartiya Itihas Sankalana Samiti and ANGRAU at EEI, ANGRAU, Hyderabad on 07-04-2013.
146. Vaidya, V.B. 2013. “*Prachin Varsha Vijnana*” an invited talk delivered at Radhakrushnan Hall, SMC Dairy Science College, A lecture was organized by Vigyan Gurjari (Vijnana Bharat-Gujarat state’s Anand-VV Nagar Unit) on 25-04-2013.
147. Vaidya, V.B. 2013. “*Prachin Varsha Vijnana*” an invited talk delivered at Vadodara organized by Gujarat Pustakalaya and ‘Sahitya Srushti’ Ayojit 172th Jaher Vartalap, Vadodara on 27-04-2013.
148. Vaidya, V.B. 2013. Earth-Sun Relationship. In Training Programme on “Climates 2013 – Camp on Climatology” organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara on 04-06-2013.
149. Vaidya, V.B. 2013. General Circulation – Wind Pressure Distribution. In Training Programme on “Climates 2013 – Camp on Climatology” organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara during 06, June, 2013.
150. Vaidya, V.B. 2013. Rainfall and its Measurement. In Training programme on “Climates 2013 – Camp on Climatology” organized by Gujarat Nature Conservation Society, at Nature Education Park, Sindhrot, Vadodara on 6 June, 2013.
151. Vaidya, V.B. 2013. An invited talk on “Rainfall and its measurement in rural areas” in workshop on “Natural Resource Management in Rural Areas” organized by YOJAK, Pune (MS) (a NGO) at Dr. Babasaheb Ambedkar Vanavasi Kalyan Trust, Surat on 10-06-2013.
152. Vaidya, V.B. 2013. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 4th December to

- 24th December, 2013 at CAFT, College of Agriculture, Pune (MS).
153. Vaidya, V.B. 2013. Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 4th December to 24th December, 2013 at CAFT, College of Agriculture, Pune (MS).
 154. Vaidya, V.B. 2013. Measurement of canopy temperatures and application of Stefan's Law. National short term training course on "Crop Micrometeorology" organized during 4th December to 24th December, 2013 at CAFT, College of Agriculture, Pune (MS).
 155. Vaidya, V.B. 2014. Methods of Rainfall Prediction, In Workshop on "Climate and Agriculture" held at Jnana Prabodhini, Pune(MS) on 14-07-2014, Organized by National Children Science Congress, DST Project for Science teachers of Pune (MS).
 156. Vaidya, V.B. 2014. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 2-22 September, 2014 at CAFT, College of Agriculture, Pune (MS).
 157. Vaidya, V.B. 2014. Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 2-22 September, 2014 at CAFT, College of Agriculture, Pune (MS).
 158. Vaidya, V.B. 2014. Measurement of canopy temperatures and application of Stefan's Law. National short term training course on "Crop Micrometeorology" organized during 2-22 September, 2014 at CAFT, College of Agriculture, Pune (MS).
 159. Vaidya, V.B. 2015. Ancient Science of Weather Forecasting and Rainfall Enhancement, An invited Talk delivered on the eve of National Science Day celebration on 28-02-2015 at Hall No. 45 (Physics Lecture Hall), Faculty of Science, MS University, Vadodara organized by Faculty of Science, The MS University, Vadodara and Vigyan Gurjari, Vadodara Chapter.
 160. Vaidya, V.B. 2015. Air temperature and Sensible Heat Flux. National short term training course on " Crop Micrometeorology" organized during 29 September to 19th October, 2015 at CAFT, College of Agriculture, Pune (MS).
 161. Vaidya, V.B. 2015. Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 29 September to 19th October, 2015 at CAFT, College of Agriculture, Pune (MS).
 162. Vaidya, V.B. 2015. Measurement of canopy temperatures and application of Stefan's Law. National short term training course on "Crop Micrometeorology" organized during 29 September to 19th October, 2015 at CAFT, College of Agriculture, Pune (MS).
 163. Vaidya, V.B. 2017. Air temperature and Sensible Heat Flux and Estimation of ET by Micrometeorological Methods. National short term training course on " Crop Micrometeorology" organized during 07 September to 27 September, 2017 at CAFT, College of Agriculture, Pune (MS).
 164. Vaidya, V.B. 2017. Measurement of canopy temperatures and application of Stefan's Law. National short term training course on "Crop Micrometeorology" organized during organized during 07 September to 27 September, 2017 at CAFT, College of Agriculture, Pune (MS).
 165. Vaidya, V.B. 2017. Condensation, Precipitation and its forms, Mechanism of Rain

- Formation, Types of rain, Thunder and Hail Storms. National Training Programme on "Fundamental of Agricultural Meteorology" from 1st to 21st November, 2017,
166. Vaidya, V.B. 2017. Recording, Tabulation and Analysis of Meteorological data. National Training Programme on "Fundamental of Agricultural Meteorology" from 1st to 21st November, 2017.
 167. Delivered invited talk on "Effect of Climate Change on Aquaculture" on 1st March, 2017 at Centre of Inland Fisheries, ICAR centre, Anand.
 168. Vaidya, V.B. 2018. **Estimation of Evapo-transpiration by Micrometeorology Methods.** In National Training Programme on "Advances in Crop Micrometeorology" held during 26-09- to 16-10-2018
 169. Vaidya, V.B. 2018. **Sensible Heat Transfer in Atmosphere.** In National Training Programme on "Advances in Crop Micrometeorology" held during 26-09- to 16-10-2018.
 170. Vaidya, V.B. and S.S. Salunke. 2018. **Earth and Sun relations, Rotation, Revolution, equinoxes, Solstices.** In National Training Programme on "Advances in Crop Micrometeorology" held during 26-09- to 16-10-2018.
 171. Vaidya, V.B. 2018. **Recording, Tabulation and Analysis of Meteorological data.** In National Training Programme on "Advances in Crop Micrometeorology" held during 26-09- to 16-10-2018.
 172. Gave TV Talk on "**Overview of Early Warning System and applications in Gujarat**" in Orientation programme on "Early Warning Systems in India" at BISAG TV Studio, Gandhinagar organized by Gujarat State Disaster Management, Govt. of Gujarat on 01-11-2018.