

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

R E S U M E

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), Hyderabad.	27 Nov. to 09 Dec., 2000.	Training Workshop on Agroclimatic Analysis and Database Management Techniques.	Dr. Y.S. Ramakrishna, Project Coordinator, AICRP on 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)
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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. 8000-13500 + admissible allowances	Teaching UG courses of Agril. Meteorology and Departmental Research work	04-09-2006	Till date	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 30-06-2012 is **19 years and 9 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-June 1990).
- vi. Participated in **Eight** 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, Pune, Amravati 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 *Vijnan 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 08-07, June, 2012

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 Pratishthan" 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**," Kanhewadi (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. **“Co-ordinator 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 Suvrushti 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 and 2011** prepared by Anand Agricultural University, Anand published in April, 2007, 2008, 2009, 2010 and 2011 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 and 2011**. 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 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. Invited as resource person of Agricultural Meteorology to develop sanskrit syllabus for Sanskrit University by Shaswat Sanskrit Pratishthan, Mahuva (Gujarat), Sanskrit Bharati (Pune) and Pradnya Vikas Pratishthan (Pune) in a workshop held at Tilak Smarak Mandir, Pune during 23-24 July, 2011

xxx. Actively involved in “**Vijnan Bharati**” (One of the largest organization of scientists in India) and working as an **Organizing Secretary** of Gujarat state from May, 2009. Presented annual report of Gujarat state work of Vijnan 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-jagran 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.

Summary of Publication:

I. Research Papers Published:-	22
II. Technical:-	
i. International seminar:	09
ii. National seminar:	18
iii. Technical book chapters:	14
iv. No. of invited lectures	140
in National level training	
III. Book edited/published:	04
IV. Popular Articles:	33
(Magazines, Newspapers and Internet)	
V. Research paper sent for publication:	11

Total :-251

Articles published by Prof. V.B. Vaidya up to June, 2012.

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., 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. Varshneya, M.C., Nanaji Kale, V.B. Vaidya and Vyas Pandey. 2010. Forecasting and validation of rainfall for Barshi (MS) based on astro-meteorological principal of rainfall conception. In book entitled “*Agrometeorological Services for Farmers*”, (ed. by Vyas Pandey), published by Anand Agricultural University (AAU), Anand, pp. 163-170.
19. Varshneya; M.C., V.B. Vaidya, Nanaji Kale and Ketan Kale. 2010. "Performance and Evaluation of Saumic Suvrushti Project in India. *Asian Agri-History*, Vol. 14, No. 4, pp. 361-372.
20. Varshneya, M. C., S.S. Chinchorkar, V.B. Vaidya and Vyas Pandey. 2010. Forecasting models for seasonal rainfall for different regions of Gujarat. *Journal of Agrometeorology*, 12(2), pp. 202-207.
21. Varshneya, M.C., V.B. Vaidya, Vyas Pandey, A.M. Shekh, L.D. Chimote and K.S. Damle. 2011. Rainfall Forecast of Gujarat for Monsoon 2011 based on Monsoon

- Research Almanac. *Asian Agri-History*, Vol. 15, No. 2, pp. 251-256.
22. Varshneya, M.C., V.B. Vaidya, Vyas Pandey, A.M. Shekh, L.D. Chimote and K.S. Damle. 2012. Rainfall Forecast for Gujarat for 2012. *Asian Agri-History*, Vol. 16, No. 3, pp. 303-308.

Popular Articles Published:

1. Popular article in Marathi "*Havamanavar Adharit Krishi Salla: Ek Kalachi Garaj*" (Weather based agro-advisory- a need of time) by M. C. Varshneya, A. S. Jadhav, N. L. Bote and **V. B. Vaidya**. 1995. In *Adarsha Sheti Udyog*. Vol.1 (2), p.36-37.
2. Popular article in Marathi "*Havamanavar Adharit Krishi Salla* " (Weather based agro-advisory) By M. C. Varshneya, A. S. Jadhav, N. L. Bote and **V. B. Vaidya**. 1997. In *Saptahik Bhumata Nirdhar*, vol.1(30), p. 1 & 14. (23 Feb.- 1 March 1997).
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.
5. Popular article in Marathi "*Havamanacha madhyam mudaticha andaj va krishi salla*"(Medium range weather forecast and agro-advisory bulletin) By M. C. Varshneya, S.V. Khandge and **V. B. Vaidya**. 1997. In *Saptahik Bhumata Nirdhar*, (26 October 1997), p. 23-24.
6. Popular article in Marathi "*Shetisathi Pavasacha Andaj Vartavinyachya Padhhati*" (Methods of rainfall forecasting for agriculture) By **V.B. Vaidya**. 1999. In *Baliraja* masik (May, 1999). pp 20-25.
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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 Ist 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.
4. **Vaidya, V.B.**; M.C. Varshneya and Ketan Kale. 2007. ***“Performance and Evaluation of Saumic Suvrushti Project in India”***. In IInd World Congress on Vedic Sciences held at Banaras Hindu University (BHU), Varnasi during 9-11 February 2007.
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.
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b. Research paper presented in National Seminars/Workshops/Symposiums

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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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4. **Vaidya, V. B.** 1998. **"Radiation Use Efficiency and Water Use Efficiency."** In '*Agricultural Production and Protection Meteorology*', MPKV/Edn/Pub No.I-1998, pp. 144 -150.
5. **Vaidya, V. B.** 1998. **"Measurement of Canopy Temperature by Infrared Thermometer."** In '*Agricultural Production and Protection Meteorology*', MPKV/Edn/Pub No.I-1998, p: 174-176.
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7. Jadhav, A.S. and **V.B. Vaidya**. 1999. **Statistical Models - Sugarcane.** In '*Crop Modelling*'. MPKV/EDN/PUB No (10) 99. pp. 81-96.
8. **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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12. Varshneya, M.C. and **V.B. Vaidya**. 2003. **Rainfall.** In "*Text book of Agricultural Meteorology.*" Edited by M.C. Varshneya and P. Balkrishna Pillai, published by Indian Council of Agricultural Research (ICAR), New Delhi. pp. 93-114.

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Agro-climatic Calendar. In International book entitled “Food and Water Security”, :An Integrated Strategy for Food Security in the Developing Countries”, Ed. U. Ahwathanarayana, Honorary Director, Mahadevan International Centre for Water Resources Management, Hyderabad, India, published by Taylor and Francis, U.K., pp. 45-49.

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F. Book published:

1. 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.**
2. 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.
3. 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.
4. 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. PAPERS SENT FOR PUBLICATION

1. Varshneya, M.C., R. N Sabale, N.L. Bote, S. S. Salunke, B. I. Karande, V. B. Vaidya and D.B. More, 2001. Simulation of Growth Parameters by CERES Sorghum model. *Journal of Agrometeorology*.
2. Sabale, R.N., B.I. Karande, V.B. Vaidya, S.S. Salunke, A.K. Hazari and D.W. Thawal. 2004. Research article “Monsoon Rainfall Forecast Model for Pune” Sent for publication to *Current Science*, Bangalore in December, 2004.
3. Vaidya, V.B. and R.N. Sabale. 2005. Modeling of pest incidence for sorghum shoot fly. Sent for publication in *JMAU*, Pune in February, 2005.
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- Lucknow, pp. 1-4.
5. 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.
 6. 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.
 7. 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.
 8. CHINCHORKAR, S.S., V.B. VAIDYA AND VYAS PANDEY. 2011. Multiple Regression Model for Long Range Forecasting of South-West Monsoon Rainfall for Pune Maharashtra and Forecast for 2011, sent to Annals of Arid Zone, Jodhpur, p. 1-8. (Paper accepted)
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111. Vaidya, V.B. 2008. 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 06 to 26 February, 2008.
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