



| ❧ CURRICULUM VITAE ❧ | |
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| Personal Information | |
| Surname / First name | RATHOD PARESHKUMAR HIMMATLAL |
| Mailing Address | 23, Anmol Bungalows, B/H Vishrut Park-4, Jitodiya road, Anand – 388 001, Gujarat State, India. |
| E-mail | rathod23904@aau.in; paresh11879@gmail.com |
| Date of birth | 18.01.1979 |
| Gender | Male |
| Desired employment / Occupational field | Soil Science, Agricultural Chemistry, Agronomy, Soil Chemistry Laboratory, Environmental Science |
| Work Experience | |
| Dates (From – to) | 14.05.2012 – Continue... |
| position held | Assistant Professor |
| Main activities and responsibilities | Academic and Research activities |
| Name and address of employer | College of Agricultural Information Technology, Anand Agricultural University, Anand – 388 110, Gujarat, India. |
| Dates (From – to) | 01.01.2007 – 31.03.2009 |
| position held | Research Scholar (Israeli Govt. Scholarship 2006-07 grantee) |
| Main activities and responsibilities | I assisted in the research project entitled <i>"Italian-Israeli cooperation on Environment Technologies: An Integrated Approach to the Remediation of Polluted River Sediments"</i> |
| Name and address of employer | Dr. Pinchas Fine, Institute of Soil, Water & Environmental Science, Department of Soil Chemistry & Plant Nutrition, Volcani Center, Agricultural Research Organization, Bet-Dagan 50250, Israel. Email: finep@volcani.agri.gov.il, Phone: 00972-50-6220633, 00972-3-9683317 |
| Dates (From – to) | 22.12.2003 – 31.12.2006 |
| position held | Research Fellow |
| Main activities and responsibilities | I worked in BRNS (Board of Research on Nuclear Science, India) project entitled <i>"Evaluation of manurial values of sewage sludge hygienized through irradiation"</i> . Responsibilities were: conducting and supervising field experiments, analysis of sludge, soil and plant samples for major, micro elements and heavy metals. Interim and final project report writing and presentation. Project administrative work, drafting of proposals and budgets. |

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| Name and address of employer | Department of Soil Science, B. A. College of Agriculture, Anand Agricultural University, Anand-388 110, Gujarat, India. Email ID: eraiarul@yahoo.co.in, Phone: 0091-2692-261072 |
| Dates (From – to) | 22.10.2003 – 20.12.2003 |
| position held | Junior Research Fellow |
| Main activities and responsibilities | I was worked for National Project entitled " <i>R & D support for process up gradation of indigenous milk products for industrial application</i> ". Major activities were supervising the experiment, collection of milk & milk product samples from local markets & their analysis for heavy metals & other contaminant estimation by AAS & HPLC. |
| Name and address of employer | Department of Dairy Chemistry, SMC College of Dairy Science, Anand Agricultural University, Anand – 388 110, Gujarat, India. |
| Educational Qualification | |
| Date (From – to) | 1st February – 12th March 2010 |
| Title of qualification awarded | Certificate course (Distance education) |
| Principal subjects/occupational skills | Hyperspectral Remote Sensing |
| Name and type of organisation | Department of Earth System Analysis, Faculty of Geo-information science and Earth Observation, University of Twente, Enschede, The Netherlands. |
| Date (From – to) | January 2001 – November 2003 |
| Title of qualification awarded | Master of Science (Agriculture) Grade Point 7.52 (out of 10) |
| Principal subjects/occupational skills | Agricultural Chemistry and Soil Science (Major subject), Agronomy (Minor subject). MSc Thesis title: <i>Influence of farmyard manure on persistence of dinitroaniline herbicides in sandy loam soil under mustard crop</i> |
| Name and type of organisation providing education and training | Anand Agricultural University (Earlier, it was Gujarat Agricultural University), Anand – 388 110, Gujarat, India. |
| Date (From – to) | July 1996 – August 2000 |
| Title of qualification awarded | Bachelor of Science (Agriculture) Grade Point 7.21 (out of 10) |
| Name and type of organisation providing education and training | Anand Agricultural University (Earlier, it was Gujarat Agricultural University), Anand – 388 110, Gujarat, India. |

| LANGUAGE KNOWN | | | | | |
|-------------------|----------------|-----------|--------------------|-------------------|-----------|
| Mother tongue(s) | Gujarati | | | | |
| Other language(s) | Hindi, English | | | | |
| Self-assessment | Understanding | | Speaking | | Writing |
| | Listening | Reading | Spoken interaction | Spoken production | Excellent |
| English | Excellent | Excellent | Good | Good | |

Research publications in peer reviewed Journals:

Please, refer <https://scholar.google.co.in/citations?user=J3QYpmAAAAAJ&hl=en&authuser=1>

1. **Paresh H. Rathod**, Carsten Brackhage, Freek D. Van der Meer, Ingo Müller, Marleen F. Noomen, David G. Rossiter and Gert Dudel (2015). Spectral changes in the leaves of barley plant due to phytoremediation of metals – results from a pot study. *European Journal of Remote Sensing*, 48: 283-303.
2. Pinchas Fine, **Paresh H. Rathod**, Anna Beriozkin and Amir Hass (2014). Chelant-enhanced heavy metal uptake by Eucalyptus trees under controlled deficit irrigation. *Science of The Total Environment*, 493: 995-1105
3. Dharmesh D. Rathod, **Paresh H. Rathod**, Kishorbhai P. Patel and Khushvadan C. Patel (2013). Integrated use of organic and inorganic inputs in wheat-fodder maize cropping sequence to improve crop yields and soil properties. *Archives of Agronomy and Soil Science*, 59 (11): 1439-1455.
4. Pinchas Fine, **Paresh H. Rathod**, Anna Beriozkin and Uri Mingelgrin (2013). Uptake of cadmium by hydroponically grown, mature *Eucalyptus camaldulensis* saplings and the effect of organic ligands. *International Journal of Phytoremediation*, 15 (6): 582 – 601.
5. **Paresh H. Rathod**, David G. Rossiter, Marleen F. Noomen and Freek D. Van der Meer (2013). Proximal spectral sensing to monitor phytoremediation of metal-contaminated soils. *International Journal of Phytoremediation*, 15 (5): 405 – 426.
6. **Paresh H. Rathod**, Jyotindra C. Patel and Amit J. Jhala (2011). Potential of gamma irradiated sewage sludge as fertilizer in radish (*Raphanus sativus* L.): Evaluating heavy metal accumulation in sandy loam soil. *Communications in Soil Science and Plant Analysis*, 42 (3): 263 – 282.
7. **Paresh H. Rathod**, R. B. Patel and Amit J. Jhala (2010). Persistence and management of dinitroaniline herbicides residues in sandy loam soil. *International Journal of Environment and Sustainable Development*, 9 (1/2/3): 58 – 73.
8. **Paresh H. Rathod**, Jyotindra C. Patel, Mahesh R. Shah and Amit J. Jhala (2009). Recycling gamma irradiated sewage sludge as fertilizer: A case study using onion (*Aliumcepa*). *Applied Soil Ecology*, 41: 223 – 233.

9. **Paresh H. Rathod**, Jyotindra. C. Patel, Mahesh R. Shah and Amit J. Jhala (2008). Evaluation of gamma irradiation for bio-solid waste management. *International Journal of Environment and Waste Management*, 2 (1/2): 37 – 48.
10. Amit J. Jhala, Sachin C. Shah, **Paresh H. Rathod**, and G. C. Trivedi (2008). Integrated effect of seed rate and weed management practices in wheat (*Triticum aestivum* L.). *Research Journal of Agricultural and Biological Sciences*, 4 (6): 704 – 711.
11. Amit J. Jhala, **Paresh H. Rathod**, Kalpesh C. Patel and Patrick Van Damme (2005). Growth and yield of groundnut influenced by weed management practices and *Rhizobium* inoculation. *Communications in Agricultural and Applied Biological Sciences*, 70 (3): 493 – 500.

Research paper read/presented:

1. Pinchas Fine, **Paresh H. Rathod**, Anna Beriozkin, Moshe Yosef, T. Markowitz, O. Engal, Gerstl Zev and Uri Mingelgrin (2011). Ligand Enhanced Heavy Metal Uptake by Fast Growing Trees under Controlled Deficit Irrigation. In: *Proceeding of 11th International Conference on the Biogeochemistry of Trace Elements*, July 3-7, 2011, Florence, Italy.
2. Pinchas Fine, Uri Mingelgrin, Anna Beriozkin, **Paresh H. Rathod**, Nir Atzmon and Moshe Yosef (2009). Sediment and sludge clean-up by ligand accelerated metals solubilization and uptake by salinity resistant, fast growing forest trees. In: *COST Action FP0601, Forest Management and the Water Cycle (FORMAN)-Water Issues in Dryland Forestry*, Held on November 10-12, 2009 at Wyler Department of Dryland Agriculture, Jacob Blaustein Institute for Desert Research, Ben-Gurion University, Sede Boqer Campus, Israel.
3. N. K. Kalyanasundaram, Mahesh R. Shah, Jyotindra. C. Patel and **Paresh H. Rathod** (2005). Evaluating the manorial value of irradiated sewage sludge for soil properties and yields of carrot. In: *Compendium (Effective Agricultural Waste Management) of 30th Annual Convention of Indian Agricultural Universities Association* held during December 27-28, 2005 at S. D. Agricultural University, Sardarkrushinagar, Gujarat. pp. 70 - 78.
4. **Paresh H. Rathod** and R. B. Patel (2005). Studies on the persistence and dissipation of pendimethalin and fluchloralin in soil. In: *Proceeding of 70th National Seminars on Development in Soil Science-2005* organized by Indian Society of Soil Science at Tamilnadu Agricultural University, Coimbatore during September 28 – October 01, 2005.
5. Kalyanasundaram N. K., Mahesh R. Shah, Jyotindra C. Patel and **Paresh H. Rathod** (2005). Evaluating the manorial value of sewage sludge hygienized through irradiation. In: *Proceeding of 70th National Seminars on Development in Soil Science-2005* organized by Indian Society of Soil Science at Tamilnadu Agricultural University, Coimbatore during September 28 – October 01, 2005.
6. Amit J. Jhala, **Paresh H. Rathod**, Kalpesh C. Patel and Patrick Van Damme (2005). Effect of weed management practice in groundnut (*Arachis hypogaea* L.). In: *Proceeding of 57th International Symposium on Crop Protection* held at Ghent University, Belgium on May 10, 2005.

7. Amit J. Jhala, **Paresh H. Rathod**, Sachin C. Shah and Patrick Van Damme (2005). The effect of seed rates and weed management practices on weeds and yield of wheat (*Triticum aestivum* L.) under irrigated conditions of middle Gujarat, India. In: *Proceeding of 57th International Symposium on Crop Protection* held at Ghent University, Belgium on May 10, 2005.
8. **Paresh H. Rathod**, Amit J. Jhala and R. B. Patel (2005). Minimization of herbicide residue in sandy loam soil through farmyard manure under mustard crop. In: *Proceeding of 92nd Indian Science Congress* held during January 3-7, 2005 at Nirma University, Ahmedabad, Gujarat, India.
9. Amit J. Jhala and **Paresh H. Rathod** (2005). Herbicidal weed control in peas (*Pisum sativum* L.). In: *Proceeding of 92nd Indian Science Congress* held during January 3-7, 2005 at Nirma University, Ahmedabad, Gujarat, India.
10. **Paresh H. Rathod** and R. B. Patel (2003). Effect of dinitroaniline herbicides and farmyard manure on soil properties under mustard in sandy loam soil. In: *Proceeding of 68th National Seminar on Development in Soil Science – 2003* organized by Indian Society of Soil Science at C. S. Azad University and Technology, Kanpur, India during November 4-8, 2003.

Conference/seminar/workshop/symposium attended:

1. **11th International Conference on the Biogeochemistry of Trace Elements (ICOBTE)** held on July 3-7, 2011 at Congress center, Florence, Italy.
 2. Final Conference of the Marie Curie Training Course Series **“Methods in Interdisciplinary Environmental Research (METIER)”**, organized by the European Commission’s Joint Research Center on November 4-6, 2009 at Brussels, Belgium.
 3. Workshop/seminar on **“Opportunities in Agriculture, Dairy and Veterinary Sciences under Globalization”** on January 11, 2006 held at Anand Agricultural University, Anand, Gujarat, India.
 4. **92nd Indian Science Congress** during January 3-7, 2005 at Nirma University, Ahmedabad, Gujarat, India.
 5. **International Seminar and Workshop on Fermented Foods”** held on November 13-14, 2003 at SMC College of Dairy Science, Gujarat Agricultural University, Anand Campus, Anand – 388 110, Gujarat, India.
 6. **35th Annual Convention of the Society and Symposium on Agrochemical Residues and Pollutants in Ecosystem”** on November 27-28, 2002 held at Gujarat Agricultural University, Anand Campus, Anand, Gujarat, India.
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