

Curriculum vita



32, Vishal Kranti Nagar,

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Dr. Sanjaykumar R. Rahangdale

M.Sc., NET, Ph.D. (Botany)

A. Personal Information:

Date of Birth : 3rd September, 1975.

Father's Name : Shri. Ramlal S. Rahangdale

B. Present Status: Associate Professor & Head, Department of Botany,

PDEA's Annasaheb Waghire Arts, Science & Commerce College, Otur,

Dist. Pune, Pin – 412 409. Maharashtra, India.

C. Significant Contributions in the subject: (for details please refer publications)

1. New Species: 1

- i) *Ledebouria junnarensis* S.S. Rahangdale & S.R. Rahangdale *nom.nov.*
(Asparagaceae) with the highest known chromosomes $2n=70$ & IUCN status.

2. New variety: 1

- i) *Ceropegia mahabalei* Hemadri et. Ansari var. *hemlatae* S.S. Rahangdale & S.R. Rahangdale

3. New Generic Records to the State of Maharashtra:

- i) *Botrychium Swartz.* (Botrychiaceae) Pteridophyte
ii) *Soliva Ruiz & Pavon* (Asteraceae)

4. New species records to the State of Maharashtra:

- i) *Anoda cristata* (L.) Schltdl. (Malvaceae)
ii) *Garnotia courtallensis* (Arn. and Nees.) Thw. (Poaceae)
iii) *Cucumis dipsaceus* Ehrenb. ex Spach. (Cucurbitaceae)

5. Rediscoveries: 1

- i) *Tillaea schimperi* (C.A. Meyer) M.G. Gilbert, H. Ohba & K.T. Fu. (Crassulaceae).

D. Recognition and Awards:

- ❖ Awarded with **Prof. S. S. Bir Gold Medal** 2020 of Indian Fern Society for outstanding research work in Pteridology amongst researchers and scientists in India. (25 Feb. 2020)
- ❖ Awarded with **Phule Dampatya Sanman** 2018 by Mahatma Phule Vichar Manch, Junnar for outstanding work in education and research.
- ❖ Awarded with **Samaj Prerana Puraskar** 2018 by Late Ramchandji Babel Charitable trust, for setting a benchmark of Social work and research.

- ❖ Recognized Research guide for Ph.D. & M.Phil. by research of Savitribai Phule Pune University, Pune
- ❖ Awarded with **Prof. M. Sabu Award** for the best paper in the Angiosperm Taxonomy presented Teacher/Scientists presented at the Annual Conference of the Indian Association for Angiosperm Taxonomy of the year 2013 at RSTM Nagpur University, Nagpur, during 27-29 Dec. 2013, for the paper entitled, **Plant Species Composition on two rocky outcrops from North Western Ghats, Maharashtra.**
- ❖ Awarded with **Chandrabhagabai Chate Gold Medal** at the 86th Convocation of Nagpur University for securing the **First** position in University Merit in M.Sc. Examination.
- ❖ Conferred with **Late Dr. A. S. Khalatkar Memorial Gold Medal** on securing the highest marks in **Cytology & Genetics** a special paper in M. Sc. II Examination.
- ❖ Awarded with **Late Prof. L. B. Kajale Memorial Cash Prize** for securing the **First** position in University Merit in M. Sc. Examination.
- ❖ Recognized **Expert of IUCN Red List** for threat assessment of plants at regional and global level.

E. Research Experience:

1. **Principal Investigator** for Major research project entitled '**Inventorization and Digitization of Pteridophyte Diversity from District Pune**' sanctioned by UGC, New Delhi (Rs. 10,73,900/- completed with one Project Fellow). F.No.38-159/2009 (SR) (completed).
2. **Co-investigator** of major research project entitled, '**Digitized Inventory of Medicinal Plant Resources from Maharashtra**' coordinated by ARI, Pune and funded by Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra, Mumbai. (Rs. 11,40,570/- completed)
3. **Principal investigator** of a research project entitled, '**Wild Genetic Food Legume Resources from tribe Phaseolae (Fabaceae) from Maharashtra**' funded by BCUD University of Pune, during 2006 to 2008. Project was oriented towards, Germplasm collection, Characterization

and evaluation of it for resistance against powdery mildew and common bean mosaic virus.
(Rs. 2,00,000/- Completed)

4. **Assessment of Biodiversity of Durgawadi plateaus**, A consultancy project with Department of Forests, Ghod Project Division, Junnar (without financial support) completed.
5. **Project Fellow** during 14/12/1998 to 15/11/2002, on “All India Coordinated Research Project on Soybean” at Agharkar Research Institute, Pune - 411 004.

F. Educational Qualifications:

Ph. D. - 26th July 2004 Pune University, Ganeshkhind, Pune

Title: Genetic Studies and Stability Analysis in Soybean [*Glycine max* (L.) Merrill]

Guide: Dr. V. M. Raut (Sr. Soybean Breeder)

Work place: Agharkar Research Institute (MACS), Pune – 411 004

Work of Ph.D.:

- ❖ Genetics of **Rust** resistance in soybean, the disease caused by the fungus *Phakopsora pachyrhizii* Sydow.
- ❖ Photo- and Thermo-insensitivity in soybean.
- ❖ Genetics of quantitative characters in soybean.
- ❖ Inheritance of qualitative traits.
- ❖ Evaluation of Powdery Mildew (*Microsphaera diffusa* Cke. & Pk.) resistance in soybean.

NET - June 1999 CSIR-UGC NET

Life Sciences

M.Sc. (Botany) - 1998 University Department of Botany, Nagpur University, Nagpur.

Specialization - Cyto-Genetics

Division - I (77.50 %, University First Merit)

Subjects studied - Cytology, Genetics, Plant Breeding, Plant Taxonomy, Pteridophytes

B. Sc. -1996 Nagpur University, Nagpur.

Division - I (64.44 %)

Subjects - Botany, Zoology, Chemistry.

G. Teaching Experience:

Sr.No.	Designation	Work Place	Duration	Subjects/Topics Taught
1.	Lecturer in Botany (P.G.)	Department of Botany, University of Pune, Pune	17/11/2002 to 24/07/2003	Genetics, Plant developmental biology, Plant Physiology
2.	Lecturer in Botany	Department of Botany, Vivekanand College, Kolhapur	25/07/2003 to 16/08/2005	Genetics, Plant Protection, Fungi, Medicinal Plants.
3.	Lecturer	Department of Biotechnology, Shivaji University, Kolhapur	Visiting Faculty for the year 2004-05	Gene structure, Regulation of gene expression, Chromatography
4.	Associate Professor	A. W. College, Otur, Dist. Pune.	17/08/2005 to till date.	Plant Taxonomy, Ecology, Plant Biotechnology, Applied Botany.

H. Consultancy/ Expertise:

1. **Visiting Botanist** to Ghod Project Division, Junnar, Department of Forests, Government of Maharashtra.
2. **Expertise outside BSI Scientists on the Envis Biodiversity Portal-** www.bsienviis.nic.in

I. Scientific Publications:

1. **Rahangdale S. R.** and V. M. Raut 2002. Gene effects for oil content and other quantitative traits in soybean [*Glycine max* (L.) Merrill]. *Indian Journal of Genetics and Plant Breeding*, **62**(4): 322-327. ISSN: 0019-5200.
2. **Rahangdale S. R.** and V. M. Raut 2002. Heterosis and inbreeding depression in soybean (*Glycine max*). *Indian Journal of Agricultural Sciences*, **72**(6): 367-369. **Impact factor: 0.5.**ISSN: **0019-5022**.
3. Raut V. M., S. P. Taware and **S. R. Rahangdale** 2003. Field resistance of soybean to powdery mildew. *Journal of Maharashtra Agricultural Universities*, **28**(1): 117-118. **ISSN: 0378-2395. February 2003.**
4. **Rahangdale S. R.** and V. M. Raut 2003. Evaluation of soybean germplasm lines for rust (*Phakopsora pachyrhizi*) resistance. *Indian Journal of Agricultural Sciences*, **73**(2): 120-121. **Impact factor: 0.5.** ISSN: **0019-5022**.
5. **Rahangdale S. R.** and V. M. Raut 2004. Genetics of rust resistance in soybean [*Glycine max* (L.) Merrill]. *Indian Journal of Genetics and Plant Breeding*, **64**(2): 121-124. ISSN: 0019-5200.
6. Patil C. R., **S. R. Rahangdale**, S. S. Rahangdale and S. C. Patil 2005. Occurrence of tricarpy in *Ceropegia attenuata* Hook. (Asclepiadaceae). *Current Science*, **88**(8): 1215, 25 APRIL 2005. **Impact factor: 0.5.**ISSN: 0011-3891.
7. Nagarkar Savita, V. S. Ghatе and **S. R. Rahangdale** 2006. Interesting Morpho-variables recorded in *Aeride smaculosum* Lindl. *Journal of Bombay Natural History Society*, **103**(1):136-137. April 2006. ISSN: 0006-6982.
8. Rahangdale S. S., V. S. Ghatе and **S. R. Rahangdale** 2009. New Report from Maharashtra: *Garnotia courtallensis* (Arn. and Nees.) Thw. *Rheedea*, **19**(1&2):12. ISSN: 0971-2313.
9. Rahangdale S. S., **S. R. Rahangdale** and V. S. Ghatе 2010. Rediscovery of *Tillaea schimperi* (C.A. Meyer) M.G. Gilbert, H. Ohba and K.T. Fu. from Maharashtra. *The Indian Forester*, **136**(6):851-853, June 2010. **H index: 4.** ISSN: 0019-4816.

10. **Rahangdale S. R.** and S. S. Rahangdale 2011. *Botrychium* Swartz.: A new genus record from Maharashtra State. *The Indian Forester*, 137(12): 1462-1463. **H index: 4.** ISSN: 0019-4816.
11. Rahangdale S. S. and **S. R. Rahangdale** 2012. *Variety Novae* of *Ceropegia mahabalei* Hemadri et. Ansari. *The Indian Forester*, 138(2):202-203. **H index: 4.** ISSN: 0019-4816.
12. Mahendra Bhise, S. S. Rahangdale, **S. R. Rahangdale** and S. V. Kambhar 2013. Floristic Study of Kalbhairavanatha Sacred Grove, Terungan, Ambegaon Taluka, Pune. *Research & Reviews: Journal of Botany*, 2(1):17-24. ISSN: 2320-0189.
13. **Rahangdale S. R.** and S. S. Rahangdale. 2013. *Anoda cristata* (L.) Schltdl. (Malvaceae): A New Record for Maharashtra. *The Indian Forester*, 139(9):853-854. **H index: 4.** ISSN: 0019-4816.
14. Rahangdale S. S. and **S. R. Rahangdale** 2014. Plant species composition on two rock outcrops from the Northern Western Ghats, Maharashtra, India. *Journal of Threatened Taxa*, 6(4):5593-5612. **NAAS index:4.72** <http://dx.doi.org/10.11609/jott.o3616.5593-612> ISSN: 0974-7907(online), 0974-7893(Print).
15. **Rahangdale S. R.** and S. S. Rahangdale. 2014. Potential wild edible plant resources from Maharashtra: Future prospects for their conservation and improvement. *Life Sciences Leaflets*, 57:73-85. **Impact Factor: 1.22; Index Copernicus: 15.8, NAAS index: 2.69.** ISSN: **2277-4297(Print), 0976–1098(Online).**
16. Bhise, M.R., S.S. Rahangdale & **S.R. Rahangdale** 2015. Effect of leaf harvesting on reproduction and natural populations of Indian Wild Banana *Ensete superbum* (Roxb.) Cheesman (Zingiberales: Musaceae). *Journal of Threatened Taxa* 7(5): 7181–7185; <http://dx.doi.org/10.11609/jott.o4004.7181-5> **NAAS index: 4.72** ISSN: 0974-7907(online), 0974-7893 (Print).
17. Rahangdale S. S. and **S. R. Rahangdale**. 2016. Rediscovery, Systematics and proposed Red List status of *Ledebouria junnarensis* S. S. Rahangdale & S. R. Rahangdale *nom. nov.* (Asparagaceae) – an endemic species from the Western Ghats, Maharashtra, India. *Journal of Threatened Taxa* 8(2): 8421 – 8433. (26 February 2016).

<http://dx.doi.org/10.11609/jott.2167.8.2.8421-8433> **NAAS index: 4.72** ISSN: 0974-7907(online), 0974-7893(Print).

18. Rahangdale S. S. and **S. R. Rahangdale**. 2016. *Cucumis dipsaceus* Ehrenb. ex Spach.: A new record for Maharashtra state, India. *Life Sciences Leaflets* 75:58 – 62. **Impact Factor: 1.22; Index Copernicus: 15.8, NAAS index: 2.69. ISSN: 2277-4297(Print) 0976–1098(Online).** 1st May 2016.
19. **Rahangdale S. R.** 2016. Wild genetic resources of food legumes from Maharashtra, India. *In the Proceeding of National seminar on Nanotechnology: Environmental, Economic, Social & Health perspectives*. AWC Otur. 23 January 2016. Pp. 39-46. **ISBN: 987-93-5158-581-7.**
20. Rahangdale S. S. and **S. R. Rahangdale**. 2016. Eco-friendly synthesis of Silver nanoparticles from *Mundulea sericea* (Willd.) A. Chev.: Its antifungal activity. *In the Proceeding of National seminar on Nanotechnology: Environmental, Economic, Social & Health perspectives*. AWC Otur. 23 January 2016. Pp. 13-17. **ISBN: 987-93-5158-581-7.**
21. Bhuskute S. M., **S. R. Rahangdale**, S. S. Rahangdale and M. G. Awaley. 2016. *Soliva Ruiz & Pavon*: A new generic record to the flora of Maharashtra. *Life Sciences Leaflets* 78: 79 – 84. **Impact Factor: 1.22; Index Copernicus: 15.8, NAAS index: 2.69. ISSN 2277-4297(Print) 0976–1098(Online).** 1stAugust 2016.
22. Rahangdale S.S. & **S.R. Rahangdale** 2017. Floristic diversity of Bhimashankar Wildlife Sanctuary, northern Western Ghats, Maharashtra, India. *J. of Threatened Taxa* 9(8): 10493–10527; <http://doi.org/10.11609/jott.3074.9.8.10493-10527>. **NAAS index: 4.72** ISSN: 0974-7907(online), 0974-7893(Print).
23. Rahangdale S. S., **S. R. Rahangdale** and A. N. Khupat 2018. Assessment of therapeutic usage of medicinal plants of Pune district, Maharashtra. *Life Sciences Leaflets* 98: 1 – 25. **Impact Factor: 1.22; Index Copernicus: 78.3, NAAS index: 3.98. SJIF: 4.8, Cosmos IF: 4.366. ISSN 2277-4297(Print), 0976–1098 (Online).** 1stApril 2018.
24. Rahangdale S.S., **S. R. Rahangdale** and A.N. Khupat 2019. A novel potential plant: *Crepidium versicolor* against wound microbes. *Indian Research Journal of Pharmacy and Science* 6(2): 1839-1844. <http://doi.org/10.21276/irips.2019.6.2.2> ISSN(O):2349-5332.

25. **Rahangdale S. R.** 2019. Pteridophytes from high elevation plateaux in the North Western Ghats of Maharashtra, India. *Indian Fern Journal* 36: 154-174. (ISSN: 0970-2741).
26. Rahangdale S.S. & **S.R. Rahangdale** 2020. Resolving taxonomic problems in the genus *Ceropegia* L. (Apocynaceae: Asclepiadoideae) with vegetative micromorphology. *Journal of Threatened Taxa* 12(9): 16064–16076; <http://doi.org/10.11609/jott.5004.12.9.16064-16076>. **NAAS index: 5.0 Scopus Impact factor 0.44. UGC-Care Category 'A' journal.** ISSN: 0974-7907(online), 0974-7893(Print).
<https://threatenedtaxa.org/index.php/JoTT/article/view/5004>,
<https://threatenedtaxa.org/index.php/JoTT/article/view/5004/6843>
27. Rahangdale S. S. and S. R. Rahangdale. 2020. Fluorescence and FTIR markers for different taxa of *Gymnema* drug complex from Maharashtra. **Plant Science Today**, 7(3): 333-340. July 2020. ISSN 2348-1900. Available at: <http://horizonepublishing.com/journals/index.php/PST/article/view/731>. Date accessed: 07 July 2020. doi: <https://doi.org/10.14719/pst.2020.7.3.731>.
<http://horizonepublishing.com/journals/index.php/PST/article/view/731/424>

J. Book Published

1. **Rahangdale S. R.** and S. S. Rahangdale, 2018. **Biodiversity of Durgawadi Plateaus** Department of Forests, Government of Maharashtra. ISBN: 978-93-5016-432-7 Pp. 114 with >400 Photographs of Plants, Animals and Habitats.

K. Booklets published:

1. **Rahangdale S. R.** and S. S. Rahangdale, 2011. **"Biodiversity in Genus *Ceropegia* L. in Junnar Forest Division"**, Department of Forest, Government of Maharashtra.
2. Rahangdale S. S. and **S. R. Rahangdale**, 2011. **"Junnar Vanvibhagatil *Ceropegia* L. Prajatimadhil Jaivavividhata"**. (Marathi) Department of Forest, Government of Maharashtra.

3. **Rahangdale S. R.** and S. S. Rahangdale, 2017. **“Pteridophytes of Junnar Forest Division.** Department of Forest, Government of Maharashtra.
4. Rahangdale S. S. and **S. R. Rahangdale**, 2017. **“Endemic Plants of Junnar Forest Division”.** Department of Forest, Government of Maharashtra.
5. Rahangdale S. S. and **S. R. Rahangdale**, 2017. **“Medicinal plants of Junnar Forest Division”.** Department of Forest, Government of Maharashtra.
6. Rahangdale S. S. and **S. R. Rahangdale**, 2018. **“Durgawadi Plateaus- Home to Indian Endemics”.** Department of Forest, Government of Maharashtra.

L. Text Books Published:

1. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2013. Industrial Botany I. ISBN-978-93-5016-209-5. Vision Publications, Pune.
2. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2014. Fundamental of Botany- Morphology & Anatomy Industrial Botany and Industrial Botany II. ISBN-978-93-5016-245-3. Vision Publications, Pune.
3. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2014. Taxonomy of Angiosperms & Plant Ecology. ISBN-978-93-5016-269-9. Vision Publications, Pune.
4. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2014. Plant Physiology. ISBN-978-93-5016-270-5. Vision Publications, Pune.
5. Rahangdale S. S. and **S. R. Rahangdale**. 2015. Plant Biotechnology. ISBN-978-93-5016-305-4. Vision Publications, Pune. (Cover Photo by Dr. Rahangdale S.R.)
6. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2019. Plant life and Utilization- I. ISBN-978-93-5016-462-4. Vision Publications, Pune.
7. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2019. Plant Morphology and Anatomy. ISBN-978-93-5016-453-2. Vision Publications, Pune.
8. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2019. Plant life and Utilization- II. ISBN-978-81-944620-3-3. Vision Publications, Pune.

9. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2019. **Principles of Plant Science**. ISBN-978-81-945486-7-6. Vision Publications, Pune.
10. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2020. Taxonomy of Angiosperms and Plant Ecology. ISBN: 978-81-947753-2-4. Vision Publications, Pune.
11. Sane H.D., S. S. Rahangdale and **S. R. Rahangdale**. 2020. Plant Physiology. ISBN: 978-81-947753-4-8. Vision Publications, Pune.

M. Papers accepted for publication:

1. Rahangdale S. S. and S. R. Rahangdale. Wetlands and Wetland macrophytes of district Pune, Maharashtra. *Plant Science Today*.

N. Faculty Development programs participation. (Not less than one week duration)

Name of the Course	Place	Duration
General Orientation Program	Academic Staff College, University of Pune, Pune	24/02/2007 to 23/03/2007
Refresher Course in Botany	Academic Staff College, Bharathiar University, Coimbatore,	09/11/2010 to 29/11/2010
Refresher Course in Life Science	Academic Staff College, Sant Gadge Baba Amravati University, Amravati	9/3/2012 to 30/3/2012
Refresher Course in Life Sciences	Academic Staff College, Bharathiar University, Coimbatore,	19/11/2013 to 09/12/2013
Short Term Course on Nanobiotechnology	Academic Staff College, Sant Gadge Baba Amravati University, Amravati	15/12/2014 to 20/12/2014
FDP in Entrepreneurship development	Maharashtra Center for Entrepreneurship Development (MCED)	18 th to 29 th Jan. 2008.

National Workshop on Botanical Latin	Botanical Survey of India, Kolkata. at BSI Southern Circle, Coimbatore	17 th -24 th January 2011
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O. Memberships of Scientific Societies:

1. Life member, **Indian Society of Genetics and Plant Breeding (ISGPB)**, New Delhi. Since, 2009.
2. Life member, **Indian Fern Society (IFS)**, Chandigarh. Since, February 2012.
3. Life Member, **Indian Association of Plant Taxonomy (IAPT)**, Deharadun, since, Feb.2012.
4. Life Member, **Indian Association for Angiosperm Taxonomy (IAAT)**, Calicut, since, Dec.2015.
5. Life Member, **Indian Botanical Society (IBS)**, Meerut. Since Nov. 2019.
6. Member, Mentoring Committee for College of Potential Vivekanand College, Kolhapur.

P. Member of National Committees:

1. Member of **Bhimashankar Wildlife Sanctuary Ecological Sensitive Zone Declaration Committee**, constituted by State Forest Department, Government of Maharashtra, since, June2012.

Q. Technical Report Submitted to Department of Forests, Government of Maharashtra:

1. ***Biodiversity of Durgawadi Plateau.*** Rahangdale S. R. and S. S. Rahangdale. Published in the form of a book entitled "Biodiversity of Durgawadi Plateaus.

R. Presentations in the National /International Conferences/seminars:

Rahangdale S.R. and V.M. Raut '*Evaluations of Soybean for Heat Tolerance under Field Conditions*' in The National Seminar on Current Trends in Plant Sciences during 26th-28th March 2002 at Department of Botany, University of Pune, Pune-7

1. Raut V.M., G.B. Halvankar, S. P. Taware, P. Verghese and **Rahangdale S.R.** '*Inheritance of Oil Content and Nodulation in Soybean*', in the 'National Seminar in Crop Improvement - Policy Implications' during 23rd-24th Dec. 1999 at M. P. K. V. Rahuri, Maharashtra.
2. **Rahangdale S. R.**, S. S. Rahangdale & V. S. Ghate '*Qualitative and microscopic characteristics of orchid seeds from Junnar Taluka, Maharashtra*' in XV Annual Conference of IAAT and National seminar on 'Emerging trends in plant taxonomy' held at Dept. of Botany, RSTM Nagpur University Nagpur, during 21-22 October, 2005.
3. **Rahangdale S. R.** and S. S. Rahangdale '*Potential wild edibles from Maharashtra: Future prospects for their improvement and conservation*'. In XVI Annual Conference of IAAT and International Seminar on Present Trends and Future Prospects of Angiosperm Taxonomy, At ARI Pune, during 4-6 Oct. 2006.
4. **Rahangdale S. R.** '*Wild Genetic Resources of Food Legumes*' in INNOVATION 2007. A Conference of Pune University Teachers organized by BCUD, University of Pune, during 18-19 October 2007.
5. **Rahangdale S. R.** '*Nutraceutically Potential Wild Edibles from Maharashtra*' in National Seminar on In the Role of Caretakers of Biosphere, at ASC College Baramati, during 16th to 18th February 2008.
6. **Rahangdale S. R.**, S. S. Rahangdale and V. S. Ghate '*Sustainable use of Fumaria L. a weed of medicinal value*' in XVIII Annual Conference of IAAT and International Seminar on Multidisciplinary approaches in Angiosperm Taxonomy, held at Kalyani University, West Bengal during 11-13 October 2008.
7. **Rahangdale S. S.**, **S. R. Rahangdale** and V. S. Ghate '*Critical notes on morpho-diversity and classification in Scilla-Ledebouria (Hyacinthaceae) complex*' in International Seminar on Multidisciplinary approaches in Angiosperm Taxonomy, held at Kalyani University, West Bengal during 11-13 Oct. 08.

8. **Rahangdale S. R. 'Wild Genetic Resources of Food Legumes'** in Regional Conference of University Teachers INNOVATION 2008. A Conference of Pune University Teachers organized by BCUD, University of Pune and Vidya Pratishthan's School of Biotechnology, Baramati during 12-13 November 2008.
9. **Rahangdale S. R. 'Potential Wild Legume Resources from Maharashtra: Future prospects for their improvement and conservation'** in National Seminar on Organic Farming at Lal Bahadur Shastri College, Satara, during 23-24 January 2009.
10. **Rahangdale S. R. and S. S. Rahangdale 'Distributional and Quantitative Analysis of Some Ceropegia L. Species'** in XIX Annual conference of IAAT and International Symposium on *Angiosperm Systematics & Phylogeny: Retrospects & Prospects* 12th–14th Nov. 2009 at National Botanical Research Institute, Lucknow.
11. **Rahangdale S. R., S. S. Rahangdale and M. R. Bhise 'Reproductive cycle in Ensete superbum (Roxb.) Cheesn.: Effect of leaf harvesting'** International Symposium on *Angiosperm Systematics & Phylogeny: Retrospects & Prospects* 12th–14th Nov. 2009 at National Botanical Research Institute, Lucknow.
12. **Rahangdale S. S., S. R. Rahangdale and M. R. Bhise. A Review of Ethnomedicinal uses by Local Inhabitants.** in the XI International Conference of International Organization of Plant Biosystematics on "*Evolution of Plants from Tropical to High Mountain ecosystems: Focus on Asia*" IOPB, International Association for Plant Taxonomy, Indian Association for Angiosperm Taxonomy and Department of Botany, BAMU, Aurangabad. 2-4/09/2010.
13. **Rahangdale S. S., S. R. Rahangdale and M. R. Bhise. Epidermal and Micro-Morphological Study in Some Species of genus Ceropegia L. (Apocynaceae: Asclepiadoideae).** In XX Annual conference of IAAT & International Symposium on, *Taxonomy Plant Diversity and Conservation* at Bharthiar University, Coimbatore, Tamil Nadu 26-28/11/2010.
14. **Rahangdale S. R. Study of Pteridophyte Diversity in Pune District and Surroundings.** In the National Seminar on, Exploration, Protection and Conservation of Biodiversity and Traditional Knowledge at Gour Mahavidyalaya, Malda, West Bengal on 4-5/02/2011.
15. **Bhise M. R., S. S. Rahangdale and S. R. Rahangdale. Sacred Groves a Traditional Concept of Conservation: Floristic study of some Sacred Groves with Strong Religious Faith.** In

the XXI Annual conference of IAAT & National Seminar on *Biodiversity Conservation and Climate Change* at IMMT, Bhubaneswar, Odisha during 2-4, December 2011.

16. **Rahangdale S. R. and S. S. Rahangdale. *Ghod Project Division A Significant Conservatory of Endemic Taxa of India*.** In the XXI Annual conference of IAAT & National Seminar on *Biodiversity Conservation and Climate Change* at IMMT, Bhubaneswar, Odisha during 2-4, December 2011.
17. **Hande P. R. and S. R. Rahangdale. *Ethnobotany of Vascular Plants from Pune District, Maharashtra*.** In the XXI Annual conference of IAAT & National Seminar on *Biodiversity Conservation and Climate Change* at IMMT, Bhubaneswar, Odisha during 2-4, December 2011.
18. **Rahangdale S. R. *Endemism in Junnar Forest Division*.** Paper presented in the Avishkar 2011.
19. **Rahangdale S.R. and S. S. Rahangdale. *Significance of Rock outcrops in the conservation of Endemic taxa*.** In XXII Annual conference of IAAT and International symposium on 'Innovative prospects in Angiosperm taxonomy', at Sant Gadge Baba Amravati University, Amravati. 28-30 October 2012.
20. **Rahangdale S. S. and S. R. Rahangdale. *Impact of Developmental Activities on Sacred Groves*.** In XXII Annual conference of IAAT and International symposium on 'Innovative prospects in Angiosperm taxonomy', at Sant Gadge Baba Amravati University, Amravati. 28-30 October 2012.
21. **Bhise M. R., S. S. Rahangdale and S. R. Rahangdale. *Plant Utility and Participatory Conservation Strategies*.** In XXII Annual conference of IAAT and International symposium on 'Innovative prospects in Angiosperm taxonomy', at Sant Gadge Baba Amravati University, Amravati. 28-30 October 2012.
22. **Rahangdale S. R. and S. S. Rahangdale. *Plant Species Composition on Two Rock Outcrops from North Western Ghats, Maharashtra*.** In XXIII Conference of Indian Association for Angiosperm Taxonomy and National Seminar on Recent advances in Plant Taxonomy research. At RSTM Nagpur University, Nagpur. 27th-29th Dec. 2013.

23. Rahangdale S. S. and **S. R. Rahangdale. *Quantitative Assessment of Medicinal Plants in District Pune, Maharashtra.*** In XXIII Conference of Indian Association for Angiosperm Taxonomy and National Seminar on Recent advances in Plant Taxonomy research, at RSTM Nagpur University, Nagpur; 27th-29th Dec. 2013.
24. Rahangdale S. S. and **S. R. Rahangdale. *Floristic Diversity of Two Basaltic Rock outcrops.*** In XXIV Conference of Indian Association for Angiosperm Taxonomy and International Conference on Trends in Plant Systematics, at Bharthidasan University, Tiruchirappalli, Tamil Nadu; 31st October to 2nd November 2014.
25. Rahangdale S. S. and **S. R. Rahangdale. *Floristic Diversity of Bhimashankar Wildlife Sanctuary.*** In XXV Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Advancements in Angiosperm Systematics and Conservation, at University of Calicut, Kerala; 19th-21st November 2015.
26. Rahangdale S. S. and **S. R. Rahangdale. *Effect of tourism and pilgrimage on the ecosystem of Bhimashankar Wildlife Sanctuary.*** In XXVI Conference of Indian Association for Angiosperm Taxonomy and International Seminar, at Shivaji University, Kolhapur November 2016.
27. Rahangdale S. S. and **S. R. Rahangdale. *Floristic Diversity of Junnar Forest Division.*** In XXVII Conference of Indian Association for Angiosperm Taxonomy and International Seminar, at Delhi University, 10-12, November 2017.
28. Rahangdale S. S and S. R. Rahangdale. **Resolving taxonomic problems in genus *Ceropegia* L. with vegetative micromorphology.** In XXVIII Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperm Diversity: Hidden treasure of today and tomorrow, at MS University of Baroda, Vadodara, 29-31, October 2018.
29. Rahangdale S. S and S. R. Rahangdale. **Comparative study of antimicrobial activity of *Gymnema* R.Br. complex.** In XXVIII Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperm Diversity: Hidden treasure of today and tomorrow, at MS University of Baroda, Vadodara, 29-31, October 2018.

30. Rahangdale S. R. and S. S. Rahangdale. **Pteridophytes of Pune district, Western Ghats, Maharashtra.** In XLII All India Botanical Conference of Indian Botanical Society and National Symposium on Innovations and inventions in plant science research, at University of Calicut, 6 - 8 Nov. 2019.
31. Rahangdale S. S and S. R. Rahangdale. **Anatomical study of *Gymnema* species from Maharashtra.** In XLII All India Botanical Conference of Indian Botanical Society and National Symposium on Innovations and inventions in plant science research, at University of Calicut, 6 - 8 Nov. 2019.
32. Rahangdale S. R and S. S. Rahangdale. **Environmental attributes for completion of reproductive cycle of *Ceropegia*.** In XXIX Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Modern trends in biosystematics of angiosperms, at JNTBGRI, Thiruvanthpuram, 11-13, November 2019.
33. Rahangdale S. R. **Pteridophytes of Bhimashankar Wildlife Sanctuary, Western Ghats of Maharashtra.** In annual Conference of Indian Fern Society and National conference on Pteridology today and tomorrow: Relevance to impact on diversity and climate change at MS Univ. of Baroda, Vadodara 24-25 Feb. 2020.

S. Resource person in the National /International Conferences/Seminars/Workshops, and delivered the invited lectures on...

1. **Methods and Tools for Plant Identification.** In the National Workshop on *Survey of Medicinal Plants and Field Work in Western Ghats of Maharashtra* organized by Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Otur. 29-30 January, 2010.
2. **Biodiversity and its Conservation.** Lecture Series under Quality Improvement Program of BCUD, University of Pune, organized by Baburaoji Gholap College, Sangvi, Pune on 16th March 2011.
3. **Diversity of Endemic and Endangered plant Species and their conservation in Junnar Forest Division.** On the occasion of Wildlife Week inauguration function and workshop for forest officials at Vansavitri, Avasari Medicinal Plant Nursery of Junnar Forest Division on 1st Oct. 2011.

4. ***Plant Diversity of Malshej Ghats and its Conservation.*** In the State Level Seminar on Recent Trends in Biodiversity, Global Warming and Biotechnology organized by A. A. College, Manchar, during 3-4/02/2012.
5. ***Endemic and Threatened Taxa within and Surrounding Bhimashankar Wildlife Sanctuary.*** In the discussion meeting of ESZ around BWLS at Manchar on 16/06/2012.
6. Worked as Judge in the Poster Session III in XXII Annual Conference of IAAT and International Symposium on Innovative Prospects in Angiosperm Taxonomy, at Sant Gadge Baba Amravati University, Amravati during 28-30 October 2012.
7. ***Adivasincha Aushadhi Khajina.*** In Vrukshayurved 2013. Organized by Swapnanagari Harbal Farm, at Pune on 26/01/2013.
8. ***Conservation of Plant Diversity – Special reference to Ceropegia.*** In the Jungle Lore of Kirloskar Vasundhara International Film Festival on 30th January 2013. Organized by Kirloskar Green Power Ideas, Pugmarks, Maharashtra Forest Department, Sanctuary Asia during 25th Jan. to 2nd Feb. 2013.
9. Co-chaired a technical session in XXV Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Advancements in Angiosperm Systematics and Conservation, at University of Calicut, Kerala; 19th-21st November 2015.
10. How to prepare AVIHSKAR Research projects in AVISHKAR Workshop at B.J. College, Ale, 2017.
11. **Preparation and presentation of Research projects** in AVISHKAR Workshop at B.J. College, Ale, 2019.
12. **Intellectual property rights and CBD** in State level workshop on IPRS at B. J. College, Ale, 2019.

T. Reviewer and Subject Editor of the research papers for scientific journals.

1. Journal of Threatened Taxa (5) JoTT#2395; 3860; 4554; 4821; 4912
2. Journal of Bombay Natural History Society (2); MS#J3673; MS#J3761
3. International Journal of Pharma and Bio Sciences (1) MS#7583

4. International Research Journal of Agricultural & Food Sciences (1) MS#PRJA88142423
5. Journal of Threatened Taxa (Subject Editor).

U. News/Articles/Interviews on Television/Newspapers

1. An interview of Dr. S.R. Rahangdale on 'Assessment and conservation of Biodiversity' taken by Mr. Avinash Pawar, TV Reporter, Star Maza and Mr. Raichand Shinde, TV Reporter, IBN Lokmat was broadcasted on 'Star Maza' on 5th Dec. 2010.
2. A special article on the efforts taken by Dr. S.R. Rahangdale and Dr. S.S. Rahangdale for "Development of Home garden by plantation of Wild plants, achieving conservation" - "*Sahyadricha Ranganmadhil Jaivavividhateche Rang Thet Parasbaget!*" written by Mr. Raichand Shinde, Reporter Daily Prabhat and TV Reporter of IBN Lokmat, was published on 3/2/2011.
3. An Article Under the column "*Mulukhavegali Manse*" was published in the Marathi daily, "**Sakal**" on 01/03/2012 about contribution to develop home garden through study of wild plants. Written by Mr. Bharat Awachat, Journalist, daily 'Sakal'.
4. An article on the '**Occurrence of Killer Weed- *Anoda***' in the Daily, **Pune Mirror** on 13/10/2013.
5. An article entitled, "Shetakaryano Savdhan- Navin Tan Yetaya" in Marathi daily, '**Sakal**' on 09/11/2013 to create Awareness amongst peoples about the characters, occurrence and distribution of new weed *Anoda cristata* with photographs and research methodology followed for the same, by Shri Bharat Awachat.
6. An article entitled, "Junnar Bhagat Aadhalala Anoda Tanacha Pradurbhava" in Marathi daily, '**Agowon**' on 26/12/2013 in **Agro Vision** all over the Maharashtra to create Awareness amongst farming community of Maharashtra state about the characters, occurrence, reproduction, distribution and control measures of new weed *Anoda cristata* with photographs.
7. A special report entitled, "Congress Gavatapathopath American Anodahi dakhal" in Marathi daily, '**Maharashtra Times**' on 30/12/2013 to create Awareness amongst peoples

about the characters, occurrence and distribution of new weed *Anoda cristata* with photographs, by Shri Dharmendra Kore.

8. A news/report entitled, “Dr. Rahangdale Dampatyacha Gaurav – Vanaspatinvaril Shodhanibandhas Rashtriya Patalivaril Pratham Kramank” about the M. Sabu Award received by Dr. Rahangdale, emphasizing the importance of their study on rock outcrops and the results highlighting the consideration of two locations as biologically separate entities while preparation of developmental plans. In the Daily **Sakal** on 09/01/2014.
9. A Comment note, “Paryavaran preminkadun Swagat” in response to the declaration of Ecologically Sensitive Areas in the Western Ghats by Government of India; to clear the doubts of common peoples. In the Marathi daily ‘Pudhari’ by Mr. Minanath Pansare, reporter daily ‘Pudhari’ in the special report on the Western Ghats – “**Jagar Jaivasampadecha**” on 22/03/2014.
10. The Detail information about the new plant species, *Ledebouria junnarensis* Rahangdale & Rahangdale, rediscovered and re-described after a century from Junnar Taluka and assigned IUCN status as Critically Endangered (CR). An article on the ‘**Lupt vanaspaticha Shatakanantar Lagala Shodh**’ in the Daily **Sakal**, Pune on 01/03/2016.
11. An article entitled, ‘**Arabian Cucumbers found in the state for first time**’ was published in the English daily, **Times Pune Mirror** on May 16, 2016.
12. An article for information to farmers entitled, ‘Arabian Kakadichi Maharashtrachya Vanaspatisampadet Bhar’ was published in the Marathi daily **Sakal** on 28/05/2016.
13. News on the TV Channel **News 18 Lokmat** was broadcasted on 11/Nov/2017 about the efforts taken by us to conserve and develop the cultivation practices for the rare endemic plants.
14. News 18 Lokmat taken a note and broadcasted a news on the Photograph Exhibition arranged on the occasion of World Wetlands Day 2nd February 2018 to make the peoples aware about the conservation and significance of the wetlands.

V. Co-Curricular and Extension Activities

1. Training and Lecture to the NSS volunteers about Survey and Importance of Biodiversity and its' Conservation for Sustainable Development in Special NSS Camps every year since 2008.
2. Peoples' awareness about conservation of Sacred Groves and Special habitats involving students during 'Wild Life Week of 2010 to 2012' at Durgawadi Sacred Grove and Munjaba hills along with Forest Department.
3. Guided 14 Students for Seven Research Projects of students presented in AVISHKAR since 2009-2012 organized by BCUD, University of Pune.
4. Tree plantation drive in the college involving Students of B.Sc.
5. **Organized Photograph Competition on Wetlands Day 2018 which was covered by TV channels (News 18 Lokmat).**

W. Contribution to Administration and Management of Institution:

1. Worked as **Academic and Research Coordinator (ARC)** of the college during academic year 2009 to 2019 appointed by Director, BCUD, University of Pune.
2. Chairman, **Research Committee** of the College.
3. Chairman, **NAAC, Criterion III** (Research Consultancy and Extension).
4. Member, **IQAC** of A. W. College, Otur.
5. Organized Lecture Series under QIP program of BCUD, University of Pune.
6. Organized, Science Exhibitions, Photograph Exhibitions, Entrepreneurship workshops and other events in the College.
7. Organized **AVISHKAR Orientation Workshop** under research scheme of SPPU, Pune.
8. Worked as **Convener** of **National Seminar** on Nanotechnology: Environmental, Economic, Social and Health perspectives at the college.

It is assured that the above mentioned information is true and correct without doubt.

Dr. Sanjaykumar R. Rahangdale