

A BRIEF PROFILE

Dr.Elangbam Athoiba Singh

Vice-Principal (UG)

Bharati Vidyapeeth (Deemed to be University)

Rajiv Gandhi Institute of I.T. & Biotechnology (RGIT-BT), Katraj, Pune

Ph. (O) 020-24379013,m-9421019453

[E-mail-elangbam.singh@bharativedyapeeth.edu](mailto:elangbam.singh@bharativedyapeeth.edu)/athoibasingh@gmail.com

Date of birth: 01-03-1970, Nationality: Indian Sex: Male,

Permanent address: Shree Yash Garden, Bld.A1,

Flatno.201,Sr.No.35/5,Mohannagar,Dhankawdi,Pune -43

• **Education Profile:**

Bachelor in Science (B.Sc.) in Botany from B.V. Y.M. College, Pune (University of Pune)in 1993 followed by Master in Science (M.Sc.) in Environment Science from BVDU-Institute of Environment Education and Research, Pune(University of Pune)in 1996.

- **Awarded for Doctorate of Philosophy, (Ph.D.)** Studies in Bharati Vidyapeeth Deemed University, Y.M. College, Pune under the guidance of Dr. S. Y .Kamble and Dr.T.N.More and Ph.D. degree was awarded by Bharati Vidyapeeth Deemed University, Pune in 2007.
 - Title of the thesis: Studies on **Biodiversity of Sacred groves of Pune District, its conservation and Ethnobotany of Thakar Tribe of Pune and Raigad District of Maharashtra State, India.**
 - **Recipient, 1st prize on presentation** of a study of allergenic fungal aero-biopollutant in the library environment, 5th National Conference of Indian Academy of Allergy, More T.N. Murthy A. and Singh E.A.
 - **Recipient, 1st prize on presentation** of studies on biodiversity of newly reported scared groves, National Conference on Recent advances in plant microbial and environmental biotechnology” Department of Botany, Chandmal Tarachand Bora College , Shirur, Pune, Singh E.A, Kamble S.Y., More T.N., Patil S.R. and Pawar S.G.
 - **Best Teacher Awards** from Bharati Vidyapeeth Deemed University, Pune -30 on 26th April 2017 22nd Foundation Day of Bharati Vidyapeeth Deemed University, Pune
 - **Two Patent Granted** 1.Patent no.351908 Date of Grant :23/11/2020 2.Patent no.362305 Date of Grant:22/03/2021
 -
-

-
- Total Teaching Experience of 23 years
 - Number of years in Rajiv Gandhi Institute of I.T.& Biotechnology, Pune: 18 years
 - Working as Vice-Principal(UG): 11years (Since-2010)

- Working as HOD in Dept. of Plant Biotechnology: 11years (Since-2010)
 - Number of Govt. Research Projects Completed :02
 - Number of Ph.D. Students: 01 completed ,04 currently registered
 - Number of Publications : 27
 - Number of patents :09
 - Number of books : 03
- Teaching Environmental Biotechnology to UG & PG Program
Teaching Environmental Studies to UG Level

- **Educational qualifications**

Sr. No.	Institution	Degree	Marks (%)	Year	Field of Study
1	Bharati Vidyapeeth Deemed University of Pune, Pune	Ph. D. *	By thesis	2007	Environment Science
2	University of Pune, Pune	M.Sc.	64	1996	Environment Science
3	University of Pune, Pune	B. Sc.	64	1993	Botany

- Date of Birth : 01-03-1970

Administrative responsibilities:

- CAP Director (2009-10)
- Senior Supervisor(External) (2006-21)
- Member, Flying squad BVU, Pune(2014-15)
- Member of Fee Structure of RGIIT & BT, Pune
- Member of Management of RGIIT & BT, Pune
- Member of Purchase committee of RGIIT & BT, Pune
- Member of Library committee of RGIIT & BT, Pune
- Secretary of NSS committee of RGIIT & BT, Pune
- Secretary of Sports committee of RGIIT & BT, Pune
- In-charge- Placement cell, Admission cell, Educational trips, Administrative Work (2008-09), Sports (2003-09) and Public relation Officer (PRO) (2010-11).
- Member of Hostel Committee of BVU, Dhankawdi Campus
- Member of Bharati Parivar, Pune
- Centre Co-ordinator State Level G.K. Test of RGIIT & BT, Pune
- Coordinator International Students of RGIIT&BT, Pune
- Vice-Principal (UG)

- Member of Academic Council of Bharati Vidyapeeth Deemed University, Pune (2016-17)
- Member of Association for the Promotion of DNA Fingerprinting and Other DNA Technologies(ADNAT),Hyderabad
- Member of Society For Ethno-pharmacology(SFE-INDIA) Jadavpur, Kolkata

- **Research Publications:**

Publications: Total=30 3(Books) and 27(Research papers)

- Jagtap S.D., Nangare N.B., Nagarkar B.E., **Singh E.A** (2021) Evaluation of the acute and sub-acute toxicity of new polyherbal formulations df1911, df2112 and df2813 International Journal of Research and Analytical Reviews, Vol 8, Issue 4 E-ISSN 2348-1269, P-ISSN 2349-5138
- **E.A.Singh**, Prashant Singh Parihar, Panthora B. Marak, Anjali Jha and Amit Sharma (2020) An Ecofriendly Approach of Rice Husk in Phosphate Removal and its Synthesis in Silica Extract from Waste Residues International Research Journal of Engineering and Technology, Vol.07,10 ISSN 2395-0056
- Tayebeh Soltanighias, **E.A.Singh**, Surekha K Satpute Arun G Banpurkar, Ali Koolivand, Praveen Rahi (2019) Assessment of biosurfactant –producing bacteria from oil contaminated soils and their hydrocarbon degradation potential Environmental Sustainability, ISSN: **2523-8922 Springer** s 42398-019-00074-0
- Jayant Pawar, Rabinder Henry, Prakash Viswanathan, Amit Patwardhan & **E.A. Singh** (2018) Testing of antibacterial efficacy of CuO nanoparticles by methylene blue reduction test against *Bacillus cereus* responsible for food spoilage and poisoning, Indian Chemical Engineer, ISSN: [10.1080/00194506.2018.1548948](https://doi.org/10.1080/00194506.2018.1548948)
- Tayebeh Soltanighias, **Athoiba Elangbam Singh**, Praveen Rahi (2017) Mining Bacterial Diversity for Biosurfactants **Springer** International Publishing AG. Part of Springer Nature. Pp 443-461
- Jayant Pawar , Prakash V, Prasen Vinchurkar, Manish Shinde, Rabinder Henry, Yashodhan Mandke, Amit Patwardhan, E.A. Singh (2017) Application of semi-solvo thermally synthesized zinc oxide (ZnO) nanoparticles in food technology and their characterization International Journal of Nanotechnology and Applications ISSN 0973-631X 11(1) : 75-80.
- Jayant Pawar, Manish Shinde, Ravindra Chaudhari, and E.A.Singh, (2017) “Semi-Solvo Thermal Synthesis and Characterization of Zinc Oxide Nanostructures Against Food Borne Pathogens” International Journal of Pharma and Bio Sciences ISSN 0975-6299 8(2) : (B) 311-315
- Pawar, S.G., S.S. Pawar, V.M. Kamble, Kamble, S, Y, and **E.A, Singh**, (2016) “Quantitative Evaluation of Plant Diversity from Newly reported Sacred Groves (Devrais) in Pune District (Maharashtra).” Asian Journal of Multidisciplinary Studies, Vol.10, 58-66 ISSN: 2321-8819

- Aarti Narkhede , Minal Mahajan,**Elangbam Singh**, Abhay Harsulkar,Suresh Jagtap,(2016) Antioxidant Activity of Fourteen *Eulophia* Species Traditionally Known as Amarkand International Journal of Pharmacy and Pharmaceutical Sciences ISSN- 0975-1491 Vol 9, Issue 9, **313-316**.
- Pawar,S.G., Kamble,S,Y ,P,S,Sawant,S,R,Patil,and **E.A,Singh** (2016) “Preliminary Phyto-chemical Investigations of three species of Traditional Medicinal Plants of Tribal Regions of Maharashtra (India)”International Journal of Pharmaceutical & Phytopharmacological Research ISSN: 0975-4873 8(5);742-745
- Pawar,S.G.,**E.A,Singh**,P,S,Sawant,S,R,Patil,and Kamble,S,Y,(2016) “New Finding of Traditional Medicinal uses of Plants from Bhimashankar and Mulshi Areas of Pune District, Maharashtra.” Asian Journal of Multidisciplinary Studies,Vol.4,92-98 ISSN:2321-8819
- Kamble,S.Y., P,S,Sawant, Patil, S. R, S, Pawar,S,G, and **Singh,E,A**,(2014) Traditional herbal remedies practiced by the herbal healers in the tribal regions of Maharashtra-India. Int.J.of Life Sciences, Vol.2 (4):334-340 ISSN:2320:7817 | Eissn:2320-964X.
- Kamble,S.Y., P,S,Sawant, **Singh, E. A**, S.R.Patil, and S.G.Pawar, (2014) Noteworthy Ethnomedicinal Plants used by the Tribes of Maharashtra. *J.Econ.Taxon.Bot.*38 (2) ISSN:2050-9768.
- Suresh Khadke, Shweta Rani, Vithal Awad, Neelambika Meti, **Elangbam Singh**, Aniket Kuvalekar and Abhay Harsulkar(2013) An improved protocol for *in vitro* regeneration of *Rubia cordifolia* L.Via organogenesis International Journal of Plant,Animal and Environmental Sciences Vol.-3 Issue-4 ISSN 2231-4490.
- Aarti Narkhede, Jaskaran Gill,Kajal Thakur,Divya Singh,**Elangbam Singh**,Omkar Kulkarni,Abhay Harsulkar and Suresh Jagtap(2013) Total Polyphenolic content and free radical quenching potential of *Dioscorea alata* L.Tubers International Journal of Pharmacy and Pharmaceutical Sciences ISSN- 0975-1491 Vol 5, Issue 3, **866-869**.
- Jayant Pawar.,N.K.Bipinraj,**E.A.Singh**., and Nikhil Nikam(2012) Determination and Partial Characterization of Antimicrobial Material of *Pseudomonas aeruginosa* Isolated from Milk A Journal of Food Science & Technology.ISSN-2278-2249 Vol 1 issue 2,16-23
- **Singh E. A.** Kamble S. Y., Bipinraj N. K., Jagtap S. D (2012)Medicinal Plants used by the Thakar Tribes of Raigad District, Maharashtra For the Treatment of Snake-Bite and Scorpion- Bite, International Journal of Phytotherapy Research, Vol 2 issue 2.
- Kamble,S.Y., Patil ,S.R., Swant ,S.P.,Sangeeta ,P. Pawar,S.G.,and **Singh, E. A.**, (2010) Studies on plants used as traditional medicines by Bhilla tribe of Maharashtra State. *Indian Journal of Traditional Knowledge.* 9(3) 591-598.
- Kamble,S.Y., Patil,S.R., Sawant,P.S., Sangeeta,P. Sawant and **Singh, E. A.**(2009) Traditional medicines used by tribes of Pune and Thane districts for the treatment of upper respiratory tract disorders. *J.Econ.Taxon.Bot.*33 (3) 682-687.

- Kamble,S.Y.,More,T.N.,Patil,S.R., **Singh, E. A.**andS.G.Pawar (2009) Ethnobotany of Thakar tribe of Maharashtra. *J.Econ.Taxon.Bot.* 33(Suppl.) 95-122.
- Jayant Pawar,Manish Shinde, Ravindra Chaudhari,and E.A.Singh,(2017) “Active and Intelligent (Polymer) Nanocomposite Systems in Food Safety and Sustainability in the Modern Era” **Accepted for publication** in International Journal of Springer Science Reviews
- **E. A. Singh**, Kamble S.Y., T.N. More, S.R.Patil & S.G.Pawar (2004) Studies on Biodiversity of Newly reported scared groves (Devrais) from Pune District. Proc.National Conference, on Recent Advances in Plant Microbial and Environmental Biotechnology Shirur, Pune Maharashtra. (J S Bhadale Yashoda Mudranalaya, Kothrud, Pune)(pp 180-192.
- **E. A. Singh** & T.N. More (2004), The study of sacred groves (Devrais) from Mulshi Taluka and their socio-religious value. Proceedings of the National Seminar on " Ethnobotany and Sacred groves role in Conservation Strategy of India, Pune, Maharashtra. “Focus on Sacred groves and Ethnobotany” (Prism Publications Chembur, Mumbai, India). pp 144-149.
- E.K.Bharucha., Shamita Kumar., Ghorpade D.B., Pokharkar P. S., & **E. A. Singh**, (1998) Handbook of Environment Education for Teachers, Institute of Environment Education Research Publ., Bharati Vidyapeeth University, Pune.
- Aarti Narkhede , Suresh Jagtap*, Bhagyashri Nagarkar, Pallavi Nirmal, Omkar Kulkarni, Abhay Harsulkar, **Singh Elangbam** (2017) Documentation of Anti-inflammatory remedies traditionally used by *Korku* and *Pawra* tribes from *Satpura* hills of Maharashtra, India for publication in Indian Journal of Traditional Knowledge. New Delhi (India).
- Aarti Narkhede ,Pallavi Nirmal, Bhagyashri Nagarkar, **Singh Elangbam** Abhay Harsulkar,Suresh Jagtap*, (2017) Documentation of Anti-inflammatory remedies traditionally used by *Korku* and *Pawra* tribes from *Satpura* hills of Maharashtra, India for publication in Indian Journal of Pharmaceutical Sciences.
- Aarti Narkhede ,Pallavi Nirmal, Bhagyashri Nagarkar, **Singh Elangbam** Abhay Harsulkar,Suresh Jagtap*, (2017) Evaluation of The Acute and Sub-Acute Toxicity of New Polyherbal Formulations DF1911,DF2112 And DF2813, for publication in Indian Journal of Pharmaceutical Sciences.
- **Patents filed**, registered, if any:
Name of Inventor: Prof. Athoiba Singh Elangbam,
Title of the invention: Method of Synthesis of Zinc Oxide Nano-particles using *Oscillatoria Alage*Patent Application No.: 2146MUM2013 (INDIA)
Date of filing of application: 25/06/2013,
Publication Date 12/07/2013,
Journal No.28/2013
- **Patents filed**, registered, if any:
Name of Inventor: Prof. Athoiba Singh Elangbam,

Title of the invention: A method of preparation of ZNO Nanoparticles by co-precipitation method using Black Tiger Prawns (*Penaeus monodon*) Extract Patent Application No.: 2422/MUM/2013 (INDIA)

Date of filing of application: 19/07/2013,

Publication Date 02/08/2013,

Journal No.31/2013

- **Patents filed**, registered, if any:

Name of Inventor: Prof. Athoiba Singh Elangbam,

Title of the invention: A Method for Bio-synthesis of Mono-Dispersed Spherical Silver Nanoparticles (AGNPS) By using Aqueous Bio-reactants from *Withania somnifera*

Patent Application No.: 764/MUM/2014 (INDIA)

Date of filing of application: 06/03/2014,

Publication Date 28/03/2014,

Journal No.13/2014

- Jayant Pawar, **E.A. Singh**; Nano Metal Oxide Based Fungicide against Food Spoilage Yeasts.

Application number: 201621021024, Reference number: E-2/1601/2016-MUM.

- Jayant Pawar, Amit Patwardhan, Rabinder Henry, Yashodhan Mandke, Bhushan Patil,

E.A.Singh; Development of Moisture Sensitive Intelligent Cellulose Nanocomposite (ICNC) based

Capacitive Sensor. Application number: 201721031797, Reference number: E-2/1964/2017-

MUM.

- Jayant Pawar, Rohit Ghugare, R.D. Chaudhari, **E.A. Singh**; Development of Antimicrobial Active

Polymer Nanocomposites based Food Packaging System. Application number: 201721031796,

Reference number: E-2/1963/2017-MUM.

- Deokule Subhash, Adhav Rahul, Jagtap Kartikey, **Singh Elangbam**, Shirsath Mahendra and

Jagtap Suresh. 2016. New formulation for the management of glycosidase and oxidative stress.

Application number: 201721039231, Applied on 03/11/2017.

- **Patents filed**, registered, if any:

Name of Inventor: E.A. Singh,

Title of the invention: A Packaging Composite and the Process for Preparing such Composite

Patent Application No.: 203021016991A (INDIA)

Date of filing of application: 20/04/2020,

Publication Date 22/05/2020,
No. of page 29, No. of Claims 10/2020

- **Patents filed**, registered, if any:

Name of Inventor: E.A. Singh,

Title of the invention: A Method for Depositing Layer of Zinc Oxide Nano-particles over a substrate of Hygroscopic material as a Dielectric Substrate and a Sensor containing the substrate for Detecting Moisture

Patent Application No.: 202021024684 A (INDIA)

Date of filing of application: 12/06/2020,

Publication Date 10/07/2020,

Journal No.35, No. of Claims 15/2020

Total patents = 09