

Profile

1. Name : Dr. I. K. Pai
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3. Address (Residence) : 18, Azad Co-Op. Housing Society,
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Ph: 0832-2217 954.
4. Educational Qualification:
 - B.Sc., 1978, I Class, University of Mysore
 - M.Sc., 1981, I Class, II Rank, (Genetics as Specialization) University of Mysore
 - Post Graduate Diploma in Environmental Planning, 1985, I class, I Rank,
University of Mysore.
 - Post Graduate Diploma in English, 1986, University of Mysore
 - Ph.D in Zoology, 1988, University of Mysore, for the thesis “Studies on the genetic effects of chemical growth regulators and their utility in the improvement of races of Silkworm *Bombyx mori*”
5. Present position :Professor and Former Head,
Department of Zoology
6. Field of specialization :Genetics, Sericulture, Nematology
Zooplanktology
7. Research Experience:

Worked as Research Fellow from 6.11.1982 to 7.6.1989, Sericulture Research Project, Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570 006

Worked as Research Associate (CSIR) from 8.6.1989 to 8.10.1991, at Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570 006.
8. Teaching experience:

Taught at Post Graduate level (M.Sc) as a Honorary Lecturer for three years (1988-1991) at department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570 006

Lecturer / Sr. Lecturer in Zoology, Goa University from 9.10.1991 to 31.5.1999

Associate Professor in Zoology at Goa University, from 1-6-1999 to 7-6-2007

Professor of Zoology from 8-6-2007 to 30-11-2019

Worked as a visiting Faculty to Shivaji University, Kolhapur, from 1997-1998 academic year to 2005-2006 to Teach M.Sc (Sericulture) course.

Worked as UGC-Visiting Fellow to Centre for Potential Excellence in Biodiversity-II, Rajiv Gandhi central University, Arunachal Pradesh (2015-2018)

9. Administrative experience:

Worked as Teacher in Charge of Department of Zoology, Goa University from 20.6.1992 to 24.11.1992.

Worked as Director, UGC-Academic Staff College, Goa University, Goa (from 1-7-2011 to 4-10-2011 and from 1.11.2013 to 12-11-2018)

Professor and Head, Department of Zoology, Goa University (from 1-8-2018 to 31-8-2019)

10. Fellowships:

Fellow, Academy of General Education, Manipal

Fellow, Zoological Society of India, Bodh Gaya

Fellow, Indian Academy of Environmental Sciences, Haridwar

Fellow, Bihar Biological Society, Darbhanga

11. Memberships:

Life Member, Indian Sciences Congress Association, Kolkata

Life Member, Environmental Mutagen Society of India, Mumbai

Life Member, Indian Association of Life Sciences, Kanpur

Member, Court, Goa University (1 term)

Member, Academic Council, Goa University (2 terms)

Member, Board of Studies in Zoology, Goa University (2 terms)

Director, EMS & ES, Goa University (2000-2002)

Chairman, Transport Committee, Goa University (1994-1998)

Coordinator, Study India Program (2004-2008)

Member, Local Advisory Committee, Goa Sci. Centre (2005-2009)

Coordinator, UGC-NET / SET, Goa University (2006-2009)

Convener, Equal Opportunity cell, Goa University 2013 to 2016

Member, VMC. Kendriya Vidyalaya, Bambolim, Goa (2009 to 2017)

Director, Central Assessment Program, Goa University (2005 & 2009)

Teacher in Charge, Goa University Guest House (2005 to 2017)

Member, Faculty Board, Fac. of Life Sci & Env't. Goa University (2007 onwards)
Member, UGC-ASC Advisory Committee, Andhra University (2013 onwards)
Member, Board of Studies in Env'tl. Sci. Kuvempu University (2014-2017)
Member Board of PG Studies, Assam University, Assam (2016-2019)
Member, BOS in Zoology(UG) St Aloysius College (Autonomous) (2017-19)
Member, Board of Appointments, Bangalore University.
Member, Board of Appointments Jammu University.
Member Board of Appointments Kumaon University.
Member Board of Appointments, University of Mysore
Member, Selection Committee, CCARI (ICAR), Old Goa
Chairman, BOS in Zoology, Goa University, Goa
Chairman, BOE in Zoology, Goa University, Goa
Member. Goa State Biodiversity Board (2020 onwards)

12. Membership in Editorial Boards of Research Journals

Journal of Cell and Animal Biology (Intl. Jl.) (Member, Editorial Board)
National Journal of Life Science (Member, Editorial advisory Board)
Journal of Current Science (Associate Editor)
Proc. of the Zoological Society of India (Editorial Secretary)
Indian Journal of Applied Life Sciences (Member, Editorial Advisory Board)
Biospectra (Advisory Editor)
Bulletin of Life Science (Member, Editorial Board)

13. Special trainings:

Attended XXVI Orientation course at ASC, Goa University (21.5.1992 to 17.6.1992)

Attended workshop on evaluation for college and University teachers, ASC, Goa University (12-13 September 1992)

Attended VII UGC sponsored refresher Course in Zoology, Burdwan University, Burdwan, West Bengal (9.7.1993 to 29.7.1993)

Attended DBT sponsored short term training program on "High level gene Expression of foreign gene using *Bombyx mori* baculovirus expression vectors in Silkworm larvae and cells" Madurai Kamraj University, Madurai (18.10.1993-6.11.1993)

Attended Refresher course in Zoology, ASC, Goa University, Goa (1.3.1994-22.3.1994)

Attended Indo-US workshop on "Molecular Cytogenetic techniques for detection of Chromosomal alterations in human cells" Institute of Genetics, Hyderabad (7-9 Nov.1995)

Participated as Cruise leader for Goa University team for SK118 cruise from 15.10.1996 to 11.10.1996 at Bay of Bengal and Andaman Sea

Attended Refresher course in Sericulture, TNAU, Coimbatore (5.3.1999 to 26.3.1999)

Attended refresher course in Zoology at ASC, Goa Univ. Goa (28.8.2001 to 17.9.2001)

14. Awards:

Research Fellowship, World Bank Aided Karnataka Sericulture Project (6.11.1982 to 31.3.1986)

Research Fellowship- Government of Karnataka (1.4.1986 to 7.6.1989)

Research Associate ship (CSIR) New Delhi (8.6.1989 to 8.10.1991)

Visiting Fellow, Jawaharlal Nehru Centre for Advanced Scientific Research, Indian Institute of Science, Bangalore (21.4.1994 to 17.6.1994)

Rotary International's GSE Membership in 1997-1998 to visit Norway

Distinguished Leadership Award by American Biographical Institute, USA, 1998

Promising Indian Zoologist of 20th Century Gold medal, Zoological Society of India, 1998

Fundacao Oriente's Short term Scholarship to conduct Research, at Aveiro University, Portugal (27.9.1999 to 4.12.1999)

Member, XX Indian Antarctic Expedition, (December, 2000 to April, 2001)

Zoological Society of India' Congress of Zoology Gold Medal, Kanyakumari (2003)

Honorary Fellowship and Gold Medal by Indian Academy of Environmental Sciences, Haridwar (2004)

Summer Fellowship by Indian Academy of Sciences, Bangalore (12-5-2004 to 11-7-2004) to work at AMU, Aligarh

Visiting Fellowship, Indian National Science Academy, New Delhi (Oct-Dec, 2005) to work at Division of Nematology, IARI, New Delhi

'Suvarna Kannadiga' State Award, by Kashi Vishwanath Trust & Jnana Mandar Academy, Bangalore, 2006

E. P. Odum Gold Medal, India Chapter of International Society for Ecological Communications (Poland), Dumka, Sep. 2007.

Achiever's Award, GSS Samaj, Bangalore, 26th Jan.2008

Prof. J. S. Datta Munshi Gold Medal, India Chapter of International Society for Ecological Communications (Poland), Vinoba Bhave Univ. Hazaribag, 2009

Evaluated several Ph. D / M.Phil theses from, A. P. S. University, Rewa, Bangalore University, Bharathiar University, Bharathidasan University, BN Mandal Univ. Bihar, Dr.B.S.K.K.V.P. Dhapoli, DR.Baba Saheb Ambedkar Univ. Aurangabad, Kuvempu University, Mumbai University, Osmania University, Periar University RTM Univ. Nagpur, Sikkim Manipal University, SRMT University Amaravati, Shivaji University, Vinoba Bhave University, University of Mysore etc.,

Worked as examiners for M.Sc (Theory / practical) at Bangalore University, Karnataka University, Kuvempu University, Mysore University, Dr. B. A. M. University, Aurangabad, Shivaji University, Kolhapur, RTM Nagpur University etc.

15. Workshops / Seminars organized / Special Lectures delivered:

Workshop on Environmental Awareness, S. P. College, Margao, on 20.12.1994. (As Convener).

Workshop on Environmental Awareness P. G. Students, Goa University, on 21.12.1994 (As Convener).

Workshop on Environmental awareness, Niramala Institute of Education, Althino, Panaji, on 22.12.1994 (As Convener).

Seminar on 'Environmental protection, People and Law, Goa University, on 15.2.1995 (As Convener).

Orientation Course for HSC teachers teaching Biology, (16-31 Oct.1995) (As Coordinator).

Delivered a special lecture at National Technical and Science University, Trondheim, Norway (22.6.1998).

Delivered a special lecture at Department of Marine Zoology & Marine Chemistry, Oslo University, Oslo, Norway (25.6.1998).

Delivered a special lecture at Department of Zoology, Aveiro University, Portugal (3.11.1999).

Delivered several lectures for Orientation Program / Refresher Courses at Shivaji University, Dr. B. A. M. University, Calicut University, Mumbai University etc.,

Delivered Sir. C. V. Raman Memorial Lecture on 28th Feb.2007, at Goa Science Centre, Goa

Invited Speaker for Children's science Congress, 103rd ISCA, Mysore, Jan. 2016

Prof. Varute Memorial lecture, Shivaji University Kolhapur, Jan. 2019.

16. Research projects:

International:

- a) Biodiversity of Netravali-Jamgal area, (Pew Foundation) (1994-1996) (as C.I.)
- b) Utilization of electron microscopy in biodiversity (Fundacao Oriente, Portugal) (worked at Dept. of Zoology, Aveiro University, Portugal (27.9.1999 to 4.12.1999))

National:

- c) Studies on Genotoxic effects of a few pesticides and growth regulators in silkworm *Bombyx mori* (CSIR-1989-1991)
- d) Survey and impact assessment of insect pest biodiversity of paddy in Goa (UGC Minor Research Project,) (1995-1997 as P.I.)
- e) Physico-chemical and biological studies of freshwater bodies of some plateaus in Goa (UGC Minor Research Project) (1998-2000 as P.I.)
- f) In Investigations in zooplankton diversity, distribution pattern and documentation in the south west coast of Indian EEZ (UGC Major Proj. 2010-2013, Budget 6,90,800)

Inter Institutional:

- g) Mating behavior in primitively eusocial wasp *Ropalidia marginata* (Lep.) (Hymenoptera: Vespidae) (Short tem Visiting Fellowship project, completed at JNCASR, I. I. Sc, Bangalore (Apr-June 1994))
- h) Survey and identification of Marine Zooplankton in Bay of Bengal and Andaman Sea (DOD) and National institute of Oceanography organized cruise program (1995- 1997 and 1997-1999) (as cruise leader for Goa University team)
- i) Studies on Zooplankton of Antarctica (NCAOR and Goa University) (2000-2001)

17. Number of Ph. D's guided:

Nine (Awarded)

18. M.Sc dissertations guided: 18

19. Publications:

Books authored:2

Contribution to book:3

Translation of scientific bulletin:1

Research papers published:86

Research papers presented:135 (including invited talks)

Popular scientific articles

A. In English:08

B. In Kannada:38

C. In Hindi:01

D. Radio Talks:02

20. Special achievements: Member of XX Indian Antarctic Expedition

Vijnana Bharati or VIBHA, previously known as Swadeshi Science Movement, is a non-profit organization in India that works for the popularization of sciences in a nationalist manner. Its main aim is to rejuvenate the Swadeshi Movement in this age of science and technology for the purpose of national reconstruction. Founded by Prof. K. I. Vasu from IISC, Bangalore in the year 1991

The aim was

1. To start a vibrant movement for the development of Swadeshi Sciences.
2. As a dynamic Science Movement with a Swadeshi Spirit, interlinking traditional and modern sciences on the one hand, and natural and spiritual sciences on the other hand.
3. To create a Swadeshi Movement with modern sciences adapted to national needs.

Today, Vijnana Bharati has units in 32 states across the country and contacts in all states. It has 42 registered prant units covering all over India and abroad. It is working in 11 different areas through autonomous institutions, independent organizations & also as project entities.

The current President of Vijnana Bharati is Dr. [Vijay P. Bhatkar](#) and National Organizing Secretary is Jayant Sahasrabudhe.

Vibha has several national programs such as

- India International Science Festival
- Tech4Seva
- Vidyarthi Vigyan Manthan
- Bhartiya Vigyan Sammelan

It also has initiatives such as

- Igniting Minds
- World Ocean Science Congress
- Technical Education Augmentation Mission
- Global Indian Scientists and Technocrats
- Learn In India
- Science India
- Industries, Innovators, Entrepreneurs, Facilitators & Academia

Vibha has Independent Entities such as

- Shakti
- World Ayurveda Foundation
- National Ayurveda Student & Youth Association
- International Institute of Waste Management
- Aryavarta Vigyan Abhyudaya Foundation
- National Environment & Energy Development Mission

Vidnayan Bharathi has received several national and international awards and Honors such as

1. “Giving Back UBM” most Impactful Project of the year for “India International Science Fair” in 2015.
2. ‘Honorable mention Award’ and ‘Popular choice Award’ at ‘Crowds Climate Conference’ 2015 held at Massachusetts Institute of Technology (MIT), USA.
3. Has also found place in Guinness Book World Records as successful conductor of the ‘Largest Practical Science Lesson’

Vidnayan Parishad Goa, a state unit of Vibha is actively involved in popularising science and igniting young minds. Conducts several programs

It had the privilege of hosting Baratiya Vigyan Sammelan, where apart from having exhibits from leading National laboratories such as DRDO, ISRO, NAL, thousands of scientists actively participated. Goan students had a feast of scientific talks, interactions, hand on trainings, workshops etc.,

A couple of years ago Vidnyana Parishad Goa and Government of Goa had organised Nobel lecture series along with a month long Nobel exhibition by Nobel foundation

Our flagship program is SCIFFI, which will have film making workshops, screening of scientific movies, exhibition of innovations, teachers workshops etc., This time, it is sixth edition of our such attempt.

As a part of Pre SCIFFI activity we do school visits by scientists for interacting with countries young minds. Last year we visited more than 130 schools across Goa, but this time due to new Normal, apart from screening scientific movies, we also interacted with students of 31 schools mainly from rural areas.

Sci-quest, an online popular science lecture series is one more popular activity for the benefit of science teachers and students. This year despite Pandemic, we could organize 17 such programs by eminent scientists across the country.

All these could happen because of dedicated workers of Vidnayan Parishat Goa and enthusiastic recipients like you.

We look forward to have your patronage in our future programs too.

Thank you all. Jai Hind