

PROFILE

Name: Kanade Kaluram Genbhau

Date of Birth: 2nd June, 1963

Designation: **Principal** and Professor in “Physical Chemistry”

Office : Yashavantrao Chavan Institute of Science, Satara.

Awards

- Nominated to Academic staff Common wealth Fellowship, UK,2011
- G. C. Jain Thesis Award, Ph D. Thesis nominated by Material Research Society of India, meeting held at Tiruanantpuram, 2008
- International Research Fellow award for 1 yr at KRICT, Daejeon, South Korea 2005

Honors

- Faculty Member for Board of Studies, Chemistry, University of Pune (2010-2015)
- Life Member, material Research Society of India
- Visiting Scientist, KRICT, South Korea, 2005
- Co-ordinator, NAAC, accreditation of the AnnasahebAwate College, Manchar, Pune 2011
- Co-ordinator, S Y B. Sc. ChemPract Exam, University of Pune
- Convener, National Seminar on Nano-sized Semiconductor Nanomaterial at AnnasahebAwate College, Manchar, Pune 2009
- Convener, State level Seminar on Semiconducting Nanomaterial at Mahatma Phule College, Pimpri, Pune 2007
- Head, Dept of Chemistry, AnnasahebAwate College from 2008

PART A: Essential Qualification and Experience

(1) **Academic Qualifications: M. Sc., M. Phil. Ph. D.**

Ph. D. in Chemistry: University of Pune, January 2007.

Research Topic: "Synthesis and characterization of Nanocrystalline Metal Oxide and Sulphides"

Supervisor: Dr. Bharat. B. Kale, Sr. Scientist, C-MET, Lab, Pune

Research Fellowship: One year, KRICT, South Korea (2005-2006).

(2) **Administrative Experience:**

- **Principal** at KBP Mahavidyalaya, Pandharpur, Shivaji College satara, MJS Mahavidyalaya, Shrigonda, Now at YCIS, Satara
- **Coordinator** 'NAAC' For the Re-Accreditation (, AnnasahebAwate College, Manchar, Pune
- **IQAC co-ordinator**, AnnasahebAwate College, Manchar, Pune
- **Head, Dept. of Chemistry**, AnnasahebAwate College, Manchar, Pune
- **Chairman** 'UGC committee' to raising the fund in XI-plan of Rs. 1.5 corers, AnnasahebAwate College, Manchar, Pune and the additional proposal to improve the facility of various department of Rs. 50 lakhs.
- **Chairman** 'Research promotion Committee', nearly Rs. 13.5 lakh through minor research project, AnnasahebAwate College, Manchar, Pune
- Active member to start new course M. Sc. Chemistry and established Well equipped laboratory at RBNB College, Shrirampur, Ahmednagar (1990), M. P. College, Pimpri, Pune (2007-2008) and AnnasahebAwate College Mnachar, Pune (2009).

(3) **Teaching and Research Experience (26 years):**

Teaching experience: 22 years at Under graduate and Post-graduate Level.

Subject – Physical Chemistry (since 1987).

Research Experience: 20 years

Area of research: Nanomaterial Synthesis, Development of Visible Light Photocatalyst to Renewal of Hydrogen energy, Nanostructured catalyst to degradation of organic waste, Synthesis of ferrite materials, Gas sensor materials.

(4) **Research Publications (Journal-24 and conference-34):**

- **Nineteen Research Publications in peer reviewed national and high impact international journals out of them four articles are listed Hottest article and most Down loaded article.**
- **'h' Index = 10 (Reference: Scopus, October, 2012).**

(5) Execution of Individual Minor/Major Research Projects (06):

- Two Minor Research Projects Completed as a 'Principal Investigator'.
- Total individual Grant received since 1990: **Rs. ~7 Lakhs**
- Ongoing Minor Research Projects as a 'Principal Investigator': **02**

(6) International Exposure: Visited to Korea, Singapore, China

- Research Fellowship: One year, KRICT, South Korea (2005-2006).
- Research collaboration with Dr. Jin Ook Baeg, Korean Research Institute of Chemical Technology, Daejeon, South Korea ~05 research paper in last 5 years.
- Invited as resource person at "The 5th China-Korea International Conference on Multi-functional Materials and Application" on 24-26th November 2011 in Hefei University Hefei, China.
- Participation in International Seminars (30):

(7) Experience of Organizing National Seminar (01):

- **Convener**, National Seminar on Nano-sized Semiconductor Nanomaterial organized 5-7, November 2009, at Annasaheb Awate College, Manchar, Dist Pune 410503

(8) Experience in Leadership:

- **Co-ordinator, NAAC**, for the accreditation of the Annasaheb Awate College, Manchar, Pune 2011
- **Convener**, National Seminar on Nano-sized Semiconductor Nanomaterial at Annasaheb Awate College, Manchar, Pune 2009
- **Convener**, State level Seminar on Semiconducting Nanomaterial at Mahatma Phule College, Pimpri, Pune 2007
- **Head, Dept of Chemistry**, Annasaheb Awate College, Manchar, Pune
- **Coordinator 'NAAC'** For the Re-Accreditation (since 2008), Annasaheb Awate College, Manchar, Pune
- **Chairman 'UGC committee'** to raising the fund in XI-plan of Rs. 1.5 corers, Annasaheb Awate College, Manchar, Pune

- **Chairman** 'Research promotion Committee', nearly Rs. 13.5 lakh through minor research project, Annasaheb Awate College, Manchar, Pune

PART B: Desirable Experience

(1) Experience of working on the Statutory Authorities of a University

- Faculty Member, Board of Studies Chemistry since 2010, University of Pune.
- Member, Syllabus Structuring Committee since 2011, University of Pune.
- Chairman and Member of number of Local Inquiry Committees since 2007.

(2) Experience in Handling Quality issues, Assessment and Accreditation:

- Co-ordinator of NAAC and IQAC Committee of the present institute.
- Member, Faculty Selection Committee of Pune University and various colleges affiliated to the University of Pune.
- Chairman, Research Extension and Consultancy Committee of present institute.
- Chairman of UGC Committee of present institute for the 11th Plan proposal.
- Paper setter and examiner for University of Pune.
- Member, B.Sc. syllabus framing committee, University of Pune.
- Member, M. Sc. Syllabus framing committee, University of Pune.
- Resource person for number of workshops and refresher courses
- Reviewer for high Impact factor International Journals of Elsevier Journals like MCP, MRB and Dyes and pigments, J of nanoparticle research etc.
- Editorial board member in J of Pharmaceutical engineering and j of Photocatalysis of science
- Guest editor of J of Nanomaterial

(3) Experience as research guide:

- Number of M.Sc. students completed research projects: 06
- Number of M.Sc. students presently working research projects: 02
- Number of students working for Ph. D. : 04
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(4) Experience in Youth Development:

Delivered number of Lectures to Young Faculty, and M.Sc. students appearing for various competitive examinations like, MPSC, SET, NET, etc.

Delivered number of Lectures and demonstrated experiments to attract young students to the basic sciences.

Invited Lecture

1) Resource persons at various conferences, seminar and workshops

International conferences: 02

- China-Korea International conference on Multifunctional Materials and applications at Hefei University, Hefei, China on 24-26 Nov. 2011.
- 2nd International symposium on Advanced Materials and Polymers for Aerospace and defense Applications (SAMPADA-2008) at Yashada MD center, Pune, INDIA.
- International conference, Y C Institute, Satara.

National Conferences / Seminars: 03

- National level seminar on Nanoscience at Sinnar College, Sinnar, Dist. Nashik, Maharashtra on 21-23 Jan 2010.
- National level seminar on Nanostructured materials for advanced technology at KBP College, Pandharpur. 3-4, Oct 2011.
- National seminar on Advanced Synthesis of Nanomaterials and their application at KBP College, Pandharpur. 17-18, Sept 2012.
- National seminar on Bionanomaterial and its application, Sharadchandraji Pawar College, Lonand, Satara sept 2013
- National seminar on Bionanomaterial and its application, Dahiwadi College, Dahiwadi, Satara, Nov 2013

State level Seminars: 05

- State level seminar on Applications of Solid-state materials at SP Mahavidyalaya, Lonand. 4-5 Dec 2009.
- State level workshop on Nanoscience at Sinnar College, Sinnar, Nashik. 12-13 Dec 2008.
- State level seminar on Application of Spectroscopy in Chemistry at Mahila College, Nagar, 2-3 Feb 2012.

- State level seminar on Recent trends in Chemistry. ASC College Narayangoan on 18th Feb 2012.
- State level training programme on Nanotechnology to the faculty of engineering colleges in Maharashtra at B A T University, Lonere, Dist. Raigad on 10th Dec 2012.

University and Local Level: 18

- RBNB College, Shrirampur, 24th March 1992
- RBNB College, Shrirampur, 2nd Feb 2002.
- D Y patil College, Pimpri, 29th Aug 2011.
- A W College, Otur, 9th Feb 2012.I
- ASC College, Ramandnagar, Dist. Sangali, 26th Aug 2008.
- Shripatrao College, Shirwal, Dist. Satara on 6th Sept 2008.
- MJS College, Shrigonda, Dist. Nagar, 4th Oct 2010.
- MP College, Pimpri 2008.
- N W College, 8-9 March 2001.
- Lokmanya Medical Foundation, Chinchwad, Road Safety WORKSHOP DEC 2001.
- PUCTO workshop 8th Oct 2006.
- B G College, Sanghavi, 31st Dec 2011.
- A G College, Pune on 26th Feb 2013.
- **KBP College, Pandharpur**
- **LBP College Solapur, Sept 2013**
- **Krantijoti S P College, Satara**
- **Chatrapati Shivaji College Satara**

No of Conference Attended:

International: 08

National: 08

State level:05

University/Local: 08

Organized On-campus interviews of various multi-national companies (Bharat Forging Chakan, ParagMik, Manchar, DOWchemical'sRanjangoan, B.Sc. and M.Sc. Students, Department of Chemistry, University of Pune (Every year since 2000).

PART C: Expected Skills and Competencies

(1) Technical Skills

- Established highly sophisticated instrument centre including X-Ray diffraction spectrophotometer, UV, IR Spectrometers, GC, HPLC, Elemental Analyzer, TGA-DTA, Fluorescence Spectrometer, SEM, TEM etc.
- Job Oriented training is given to number of students
- Delivered lectures to large audiences by Power-point presentations.
- Developed skill of e-learning.

(2) Managerial Skills:

- Key role in submitting the institute proposals to UGC-XIth Plan and utilizing the funds received. Major funds (~Rs. 194 lakh) were received to develop infrastructure. This has benefited in increasing the quality and quantity of research.
- Establishment and Maintenance of Analytical research laboratory of the present institute.
- Four Individual research proposals were completed of ~Rs. 6 Lakh.
- Key role played in getting industry Scholarships to B.Sc. and M.Sc students.
- Ability to submit proposals to funding agencies and confidence in getting approved.
- All the research projects were time-bound and completed with good number of publications and man power training.
- Capacity to work effectively under pressure and manage work and resources within given framework.
- All the funds received from the funding agency under the completed research proposals were managed and fully utilized in stipulated time.
- Framing of and induction of Micro-scale Experiments at the graduate/post-graduate syllabi.

(3) Alignment with corporate objective:

- Active interest in setting up College-Industry collaboration activity.
- Job oriented programme for M. Sc. Students. Organized on-campus interviews of multi-national industries.

(4) Leadership Skills:

- Ability to organize international symposiums.
- Well maintained unique facility of Analytical services to research students and industries.
- Leadership quality to guide research students.
- Keen desire to inculcate teaching by delivering lectures in colleges and promote research atmosphere in the department as well as in colleges by giving easy access to analytical facility of the department.

(5) Interpersonal communication and collaborative skills:

- Collaborative research programme with Bio-chemistry, Bio-technology and Microbiology groups. Collaboration with C-MET Labpune, NCL Pune and KRICT Lab South Korea for papers. Established international collaborations.
- **Participation in International Symposia:** 23 (annexure-II)
- Participated in National Symposia –05

Evidence of being an active member of professional bodies and associations:

- Life Member, Material Research Society of India.