

## Curriculum Vitae

### **Dr. Shantikumar G. Gupta**

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**DATE OF BIRTH: 07-04-1958**

**LANGUAGE KNOWN: English, Hindi, Telugu, Marathi.**

### **EDUCATIONAL QUALIFICATIONS**

<b>Name of degree</b>	<b>Year of passing</b>	<b>Board/ University</b>	<b>Rank</b>
<b>Doctor of Philosophy Ph.D</b>	<b>1987</b>	<b>University of Pune</b>	<b>Gold Medal</b>
<b>Master of Science (Microbiology)</b>	<b>1982</b>	<b>Dr. B. A. M. University Aurangabad</b>	<b>Distinction Stood 1<sup>st</sup> in the University</b>
<b>Bachelor of Science</b>	<b>1980</b>	<b>Dr. B. A. M. University Aurangabad</b>	<b>Distinction Stood 5<sup>th</sup> in the University</b>

### **TEACHING AND RESEARCH EXPERIENCE:**

- **Research experience of 4 years (as Junior Research Fellow and Senior Research Fellow on a Department of Science and Technology research project) leading to Ph.D at Maharashtra Association for Cultivation of Sciences (Renamed as Agharkar Research Institute), Pune. (August 1982 to August, 1986).**
- **A total of 13 year Post Graduate teaching experience as a lecturer (4 years) and Designated Reader (9 Years) in the Department of Microbiology, Government Institute of Science, Aurangabad (August 1986 to June 1990 and August 1998 to Sept. 2008).**

- A total of 8 years teaching experience as a lecturer in the Department of Microbiology, Government College of Arts and Science, Aurangabad. (June 1990 to August 1998).
- A total of 26 years of research experience.
- Recognized as a Ph.D guide in the subject of Microbiology (2002) and Biotechnology (2006) of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Worked as Head of the Microbiology and Biotechnology Departments of Government Institute of Science, Aurangabad.

**ADMINISTRATIVE EXPERIENCE:**

Post	Duration
Director, State Institute of Administrative Careers Mumbai.	05/09/2008 to 8/9/2010
Joint Director (Additional charge) Higher Education, Mumbai Region, Government of Maharashtra, Mumbai.	4/12/2008 to 8/9/2010
Administrator, SNTD women's college, Deopur, Dhulia	16/07/2012 – till date
Director, Government Institute of Forensic Science, Aurangabad.	9/9/2010 to till date.

**Ph.D Topic:**

Preservation of microorganisms concerned with biohydrometallurgy of copper and manganese ores.

**AWARDS AND SCHOLARSHIPS:**

- Recipient of National merit scholarship from Government of Andhra Pradesh and Maharashtra.
- Winner of Benjonjee Jalanwal Firdowji award in chemistry constituted by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for securing highest percentage of marks in Chemistry at B.Sc. examination. (1980)
- Awarded Agharkar Gold medal for best Ph.D thesis of the year 1987 by Agharkar Research Institute, a DST funded Research Institute, Pune.
- Recipient of Junior Research Fellowship (2 Years) and Senior Research Fellowship (1 Year) of Department of Science and Technology, New Delhi and Departmental fellowship (1 year) to do research work leading to Ph.D at Maharashtra Association

for Cultivation of Sciences, (Agharkar Research Institute), Pune funded by Department of Science and Technology, New Delhi (1982-1986).

- Awarded a grant of Rs 52,000/- from University Grants Commission, Western Region Pune in 2004 for a minor research project entitled studies on Microbial decolorization of Dyes.
- Awarded a grant of Rs 15,000/- from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for a minor research project entitled Physico-chemical and biological aspects of effluent discharged by silk reeling industry and its treatment using microorganisms.
- Stood first in Maharashtra State in the Marathi examination conducted by Directorate of Languages, Mumbai for Gazetted officers.
- Awarded *Distinguished best researchers and academicians* award by International society of Science and Technology, Mumbai on 3rd July 2011.

#### **ACADEMIC, SCIENTIFIC AND ADMINISTRATIVE ACTIVITIES:**

- Invited as a visiting faculty to deliver lectures on various topics of Microbiology in Maulana Azad College, Deogiri Science College, Aurangabad, Dayanand Science College, Latur and UDCT, Aurangabad, MS, India.
- Worked as a Member in arranging a Workshop on Environment Protection at Government Institute of Science, Aurangabad sponsored by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, MS, India.
- Worked as external examiner to conduct B.Sc. and M.Sc. Practical examinations conducted by Dr. BAMU Aurangabad and SRTMU Nanded, MS, India.
- Worked as Chairman, Examinations in the subject of Microbiology and Biotechnology.
- Worked as a Executive Member and a Member of Editorial Board of a National Seminar on Bioinformatics sponsored by UGC and Department of Biotechnology, New Delhi.
- Worked as a State Government nominee for Aurangabad Region to interview and appoint lecturers in Private aided colleges.
- Worked as a member of affiliation and inspection committees by Director, BCUD of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, MS, India..
- Organized lectures and Science exhibition on the occasion of National Science Day in Government Institute of Science, Aurangabad. Worked as organizing Secretary during the Science week Celebration 2003 to 2006.
- Member of ad-hoc Board in the subject of Microbiology and Biotechnology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

- Worked as an external referee for the evaluation of M.Phil. and Ph.D. Thesis in the subject of Microbiology.
- Worked as a member of NAAC Steering Committee of the Institute.
- Invited as a member for paper setting committee in the subject of B.Tech/M.Tech of Chemical Technology Department of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Worked as a member, Editorial Board of Maharashtra Environment - An official quarterly magazine of Maharashtra Pollution Control Board Officers Welfare Association.
- Worked as a member, Editorial Board of Journal of Life Sciences of Dr. BAMU, Aurangabad.
- Worked as a member, Advisory Board, Journal of Basic and Applied Sciences, Balbhim Arts, Science and Commerce College, Beed, Maharashtra.
- Worked as a member, Advisory Board, Journal of Industrial Pollution Control, Karad, Maharashtra.
- Worked as a member of committee to establish Microbiology/Biotechnology laboratories at sub-centre of Dr. BAMU , Osmanabad.
- Worked as a chairman, Microbiology and Biotechnology Ad-hoc Boards of Dr. BAMU, Aurangabad.
- Invited as a resource person to deliver lectures in Orientation and Refresher courses.
- Working as an internal expert on Research and Recognition Committee of Microbiology of Dr. BAMU, Aurangabad.
- Working as an internal expert on Adhoc board of Biotechnology of Dr. BAMU Aurangabad.
- Chairman of the committee for framing and restructuring of B.Sc. Biotechnology, M.Sc. Microbiology, M.Sc. Biotechnology and M.Sc. Bioinformatics syllabi of Dr. BAMU, Aurangabad.
- Articles (4) published in Maharashtra Environment quarterly magazine of Maharashtra Pollution Control Board Officers Welfare Association, Aurangabad.
- Worked as a Government nominee on Placement Committee.
- Worked as a member on Local and National Advisory Committees of various State, National and International Seminars/Conferences.

- Worked as a Member of Board of Studies in the subject of Microbiology of SRTM University, Nanded and Sant Gadge Baba Amravati University, Amravati.
- Working as an external expert of Research and Recognition committee of Microbiology of Shri Ramanand Teerth Marathwada University, Nanded.
- Worked as Member Secretary of Study Committee constituted by Department of Higher Education Government of Maharashtra to start Forensic Science Institutes at Mumbai and Aurangabad.
- Member, Ad-hoc board of Forensic Science, Mumbai University and Nagpur University.
- As a Director of State Institute for Administrative Careers, Mumbai delivered lectures in NSS camps and colleges of Mumbai regions to create awareness for UPSC competitive examinations.
- As a Director of SIAC, Mumbai successfully conducted State level entrance examination of over 3500 students (2008-2009).
- As a Joint Director of Mumbai region successfully conducted B.Ed. entrance examination of Mumbai region (2009 and 2010).
- As a Joint Director of Mumbai region organized State level Savitribai Phule Award ceremony and also Ambedkar Jayanti to release Photo-biography of Dr. Babasaheb Ambedkar (2010).
- As a Director of State Institute for Administrative Careers, Mumbai brought over 2 crores of rupees from State Plan and DPDC for the infrastructural and academic development of the Institute.
- As a Joint Director of Mumbai region cleared hundreds of pending cases of V<sup>th</sup> Pay Commission, Medical Bills, Pension cases, GPF loans, etc. Also completed implementation of VI<sup>th</sup> pay Commission (Above 80%).
- As a Joint Director conducted interviews to appoint Principals of private aided colleges.
- Given interviews for All India Radio, Magazines and Local News Papers regarding the facilities, opportunities at SIAC Mumbai and also the glorious results of the Institute and also regarding the present Institute that is Govt. Institute of Forensic Science, Aurangabad.
- Successfully participated in the training program on Certificate foundation course for college management (9<sup>th</sup> to 13<sup>th</sup> Feb 2009) organized by Yashwantrao Chavhan Academy of Development Administration sponsored by Directorate of Higher Education, Govt. of Maharashtra.

- Member of editorial board of proceedings of National conference on “Latest technologies and their applications in Forensic science and Digital forensics.” Mumbai 2012.
- Worked as Government nominee for the selection of lecturers, Principals, etc.
- Worked as subject expert and Government nominee for the selection of Assistant professors, Associate professors and professors in the MPSC committee.
- Worked as government nominee for the promotion of Associate professors to professors in BAMU and also as a government nominee for granting extension for professors from 60 yrs. To 62 yrs.
- Worked as chairman of BAMU committee to grant recognition to research centers in colleges and in private undertaking Institutes.
- Worked as government nominee for the selection of Assistant registrar and deputy registrars of BAMU, Aurangabad.
- Worked as paper setter in the subject of Forensic Science for SET examination.

#### **Ph.D THESIS AWARDED AND SUBMITTED BY RESEARCH STUDENTS**

- **Mrs. Kranti Engade** awarded Ph.D for thesis entitled “Studies on Microbial dye decolorization” (2007)
- **Mr. Sayed Rizwan**, awarded Ph.D for thesis entitled “Studies on Physico-chemical, Biochemical and Microbiological aspects of water reservoirs of Beed district, Maharashtra”. (March-2011)
- **Mr. Mahhomad Asef**, awarded Ph.D for thesis entitled “Impact assessment of Physico-chemical and Microbiological quality of water in and around the dumping site Naregaon, Aurangabad and Studies on microbiological composting of Municipal Solid Waste”. (March-2011)
- **Mr. Ghogare Pramod D.** awarded Ph.D for thesis entitled “Studies on microbial remediation of Polyfilm manufacturing industrial effluent” (July 2011).
- **Mr. Basavaraj S. Hungund**, awarded Ph.D for thesis entitled “Studies on Cellulose Production by Few Gram Negative Bacteria” (August 2011).
- **Mr. Yash Hiroo Gurusahani** awarded Ph.D for thesis entitled “Studies of thermophilic microorganisms of hot water springs of Maharashtra State, India” (March 2013).
- **Mrs. Pandhare R. S.** Completed research leading to Ph.D (FIP) and thesis writing is in progress entitled “Bioremediation of factory effluent with reference to heavy metal ions”. Submitted

- **Mrs.Arusha Shete** doing research leading to Ph.D (2010) on topic “Studies on Phosphate and cellulose hydrolyzing microorganisms”.
- **Mr.Vinod Jogdand** is doing research leading to Ph.D (2012) on topic “Studies on solventogenic bacteria and its utilization for the treatment of pharmaceutical effluents containing solvents”.
- **Mrs. Pooja Sonawane** is doing research leading to Ph.D (2014) on topic “Microbial recovery of heavy metal ions from e-waste.”
- **Mr.Tejbhan Saini** is doing research leading to Ph.D (2014) on topic “Morphological and molecular characterization of *Colletotrichum* species associated with chilli anthracnose and antifungal activity of few natural plant extracts to *Colletotrichum* species.

### **PARTICIPATIONS IN SCIENTIFIC GATHERINGS**

- Presented a paper at Micro-biotech -90, Aurangabad, India (Sponsored by Rotary Club of Aurangabad).
- Delivered a lecture in a UGC sponsored National Seminar on “Environmental education: Necessity and design curricula, Aurangabad.
- Attended two refresher courses one in Microbiology at University of Pune, Pune and the other in Life Sciences at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Participated in Regional Training Courses on “Basic principals of Geomicrobiology with reference to culture used in Biohydrometallurgy, MACS Pune, sponsored by UGC and INSA, New Delhi.
- Participated in International training course on “Biodeterioration of ancient stone work” at Aurangabad, sponsored by UGC and INSA, New Delhi.
- Participated as a teacher in Regional Training Course on “Chemolithotrophic bacteria and their applications” at MACS, Pune, India sponsored by Department of Biotechnology, New Delhi, India.
- Attended a Seminar on “Industrial pollution” organized by Rotary club of Aurangabad.
- Attended a COSIP Seminar on Environmental Pollution at Government College of Arts and Science, Aurangabad, India Sponsored by UGC, New Delhi.
- Invited as a resource person and delivered a lecture on Microbiological technologies for the detoxification of industrial effluents containing toxic metal, ions and dyes at State level Seminar sponsored by UGC at KSK college, Beed.
- Agate, A.D, S.N. Kanetkar, **S.G. Gupta** and N.J. Khinvesara. Survey of manganese oxidizing bacteria from mining regions of Madhya Pradesh and Orissa. Abstracts,

24<sup>th</sup> annual conference of Association of Microbiologists of India, Hyderabad, India. Abstract 1-20; Pg- 46. (1983)

- Presented a poster at VII International Biotechnology Symposium, New Delhi (1984).
- Agate A.D, K.M. Paknikar, S.G. Gupta N.J. Khinvesara S.N. Kanetkar and V.S. Humnabadkar. Development of microbial; resources for biohydrometallurgy in India. International Congress for Culture Collection, Bangkok, Thailand. Abstract Pg. 84 (1984).
- Khinvesara N. J. and S.G. Gupta. Microbiological data bank for Indian copper ores. 25<sup>th</sup> Annual conference of Association of Microbiologist of India, Pantnagar, India. Pg. 19. Abstract No 100. (1984)
- N.J. Khinvesara S.G. Gupta and A.D. Agate. Microbial extraction of copper from chalcopyrite ores by mixed cultures of *Thiobacillus ferrooxidance* and *Thiobacillus thiooxidance*. Abstract 54<sup>th</sup> annual meeting Society of Biological chemists of India, Pantnagar, India, Pg-66. Abstract no 437. (1985)
- Oral presentation in UGC sponsored State Level Symposium on Recent trends in Biotechnology at Latur, India. (1998).
- Andhale M.S. and S.G. Gupta. Introduction of Environmental Biotechnology in the post graduate curriculum of life sciences. UGC sponsored National Seminar on Environmental Education, Necessity and Design of Curricula Aurangabad. Abstract No. Pg 04. (1998)
- Chaired a technical session in the State level Symposium on Recent trends in Biotechnology at Latur, India (1999).
- Worked as a resource person and delivered a lecture on Environment Protection in a three day workshop sponsored by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.(1999)
- S.G. Gupta Role of microorganisms in environmental protection. Dr. Babasaheb Ambedkar Marathwada University Aurangabad sponsored Workshop on Environment Protection held at Government Institute of Science, (1999).
- S.G. Gupta and M.S. Andhale. Biotechnology-an approach towards control of environmental pollution UGC sponsored state level symposium on Recent Trends in Biotechnology for rural and industrial development held at Shahu College Latur, India (1999).
- Kranti Engade and S.G. Gupta. Adsorption of dyes by few fungal species. National Conference on emerging pollutants, impact on Health, Agriculture and environment. Organized by Department of Environment Science Dr. BAMU Aurangabad. Abstract no 40. (2004)



- Attended an International Workshop on Biotechnology of anaerobic bacteria and Archae, organized by Agharkar Research Institute, Pune, MS, India. (March, 4-5, 2006)
- Attended an International NanoBioscience Conference- INBC-2006 during 6-8 August, 2006, Organized by Agharkar Research Institute Pune, India. (2006)
- Hungund, B.S., and S.G. Gupta. Presented a paper entitled “Bacterial cellulose production from wild and mutant strains of *Gluconoacetobacter xylinus*” at International Conference on Trends in Biodiversity and Biotechnology. Dr. BAMU Aurangabad, MS, India (2007).
- Hungund, B.S., and S.G. Gupta. Presented a paper entitled “Isolation and characterization of cellulose producing bacteria from natural sources” at 48<sup>th</sup> Annual Conference of Association of Microbiologist of India, IIT Madras, Chennai, T.N., India (2007).
- Dharmadhikari S.M., S.G. Gupta, S.S. Joshi and P.R. Agarwal. Studies on expression on Beta-galactosidase by *Klebsiella sp* and *E. coli*. Oral presentation in National Conference on Bioinformatics, Genomics and Proteomics held at Dr. BAMU sub-centre, Osmanabad, MS, India. (2007)
- Dharmadhikari S.M. S.G. Gupta P.P. Galphade and S.L. Kulkarni. Expression on beta lactamase by MDR starins and *Klebsiella sp.* and *S. aureus*. Oral presentation in national conference on Bioinformatics, Genomics and Proteomics held at Dr. BAMU Sub-centre, Osmanabad, MS, India. (2007)
- Mohammed Asef Iqbal, and S.G. Gupta. Presented a paper entitled “Development of fungal consortia for hydrolysis of poultry feathers” at National Conference on New Horizons in Biotechnology-2008, held at Swami Vivekanand Mahavidyalaya, Udgir, Maharashtra, India. (2008)
- Kiran Kharat, S.G. Gupta A. Asolkar, R. Mahske and B.P. Hardikar. Mining the WIF pathway for cancer therapeutics. Oral presentation in National conference of new horizons in biotechnology sponsored by department of Science and Technology and Council of Science and Technology research New Delhi. Organised by Swami Vivekanand College, Udgir, MS, India. Pg-21. (2008)
- Deshmukh, S., K. Kharat and S.G. Gupta. Isolation of matrix attachment regions (MARs) from tobacco plant. Poster presentation in the 3<sup>rd</sup> Oxford RNAi Conference and exhibition RNAi 2008, functions and applications of non-coding RNAs. Oxford. England, UK. Pg 15. (2008)
- Pandhare R.S. and S.G. Gupta, presented a poster entitled “An investigation on removal of Cr(VI) using *Pseudomonas aeruginosa*” at 50<sup>th</sup> Annual Conference, Association of Microbiologist of India” organized by National Chemical Laboratory, Pune, MS, India during, Dec 15-18, (2009).

- Yash, G.H. and S.G. Gupta. Presented a paper entitled “Studies on thermophilic microorganisms from hot water springs of Maharashtra” at National Workshop on “Biology and Biotechnology of Actinomycetes” organized by Department of Microbiology, Sub-center, Dr. B.A.M University, Osmanabad, MS, India., held during Feb 12<sup>th</sup>-14<sup>th</sup> (2009).
- Yash, G.H. and S.G. Gupta. Presented a poster entitled “Isolation and identification of *Geobacillus vulcani* from hot water spring of Namboli, Maharashtra, India” at 50<sup>th</sup> Annual Conference, Association of Microbiologist of India” organized by National Chemical Laboratory, Pune, MS, India. Abstract No 43, during, Dec 15-18, (2009).
- Ghogare, P.D. and S.G. Gupta. Presented a paper on “Biodegradation studies of Mono-Ethylene Glycol and Ethyl Acetate” at National Workshop on “Biology and Biotechnology of Actinomycetes” organized by Department of Microbiology, Sub-center, Dr. B.A.M University, Osmanabad, MS, India., held during Feb 12<sup>th</sup>-14<sup>th</sup> (2009).
- Ghogare, P.D. and S.G. Gupta. Presented a poster “Comparative study of BOD and COD reduction of Polyfilm industry effluent by cow dung, sewage and developed microbial consortium held at “50<sup>th</sup> Annual Conference, Association of Microbiologist of India” organized by National Chemical Laboratory, Pune, MS, India. Abstract No EM 44 during, Dec 15-18, (2009).
- Mohammed Asef Iqbal, and S.G. Gupta. Presented a paper entitled “Deterioration studies on groundwater quality as an effect of MSW dumping” at National conference on Recent trends in Environmental Toxicology-2010, held at Milliya Arts, Science and Management Science College Beed, Maharashtra, India. (2010)
- Pandhare R.S. and S.G. Gupta, Presented a paper entitled Studies on metabolic dependant Cr (VI) uptake by *Pseudomonas aeruginosa* 4442, at National conference of Biotechnology for better tomorrow, organized by Shri Shivaji college, Akola, MS, India, held during FEB 6<sup>th</sup> & 7<sup>th</sup>, (2010).
- Pandhare R.S. and S.G. Gupta, Presented a paper entitled *Pseudomonas aeruginosa* a novel bio-remediator for abatement of Cr (VI) pollutant, organized by Government Institute of Science Aurangabad. (2010)
- Yash, G.H. and S.G. Gupta. Presented a paper entitled “Isolation and identification of *Geobacillus vulcani* from hot water spring of Namboli, Maharashtra, India” at National Conference on “Biotechnology for Better Tomorrow” organized by Shri Shivaji college, Akola, MS, India. held during FEB 6<sup>th</sup> & 7<sup>th</sup>, (2010).
- Ghogare, P.D. and S.G. Gupta. Presented a paper entitled “Efficient BOD, COD reduction of polyfilm industry effluent by using a microbial consortium” at National Conference on “Biotechnology for Better Tomorrow” organized by Shri Shivaji college, Akola, MS, India. Held during FEB 6<sup>th</sup> & 7<sup>th</sup>, (2010).

- **Pandhare R.S. and S.G. Gupta**. Presented a paper entitled “*Saccharomyces cerevisiae*: A potential biosorbant for removing Cr (VI) from aqueous solution” at International Conference on Biotechnology for Better Tomorrow held at Aurangabad. Abstract No OEM-09. (2011).
- **Yash, G.H. and S.G. Gupta**. Presented a poster entitled “Decolorization of Rathilene Navy blue dye by thermophilic bacteria” at International Conference on Biotechnology for better tomorrow held at Aurangabad. Abstract No: EM-36. (2011).
- **Ghogare, P.D. and S.G. Gupta**. Presented a poster entitled “Studies on microbial degradation of Mono-Ethylene Glycol” at International conference on Biotechnology for Better tomorrow held at Aurangabad. Abstract No: Em-35. (2011). Awarded Medal for best poster presentation.
- **Gupta et al.** Oral presentation of research paper entitled “Spectral studies of human and animal blood.” In the National Conference of Microbiology held in Deogiri Science College, Aurangabad (2012).
- Delivered keynote addresses in National conferences and also chaired technical sessions.
- Delivered two lectures under DST INSPIRE at Aurangabad and Sangli.

#### **LIST OF RESEARCH PAPERS PUBLISHED/COMMUNICATED**

- **Gupta, S.G.** and A.D. Agate. Preservation of *Thiobacillus ferrooxidance* and *Thiobacillus thiooxidance* with activity check. Antony van Leeuwenhoek. Journal of Microbiology, Netherland 52, Pg 121-127. (1986).
- **Gupta, S.G.** and A.D. Agate. Use of preserved *Thiobacillus ferrooxidance* inoculum for leaching of copper by Biovigyanam, No 1 Pune, India Pg 76-77.(1986)
- **Gupta, S.G.** J.S Ghosh and A.D. Agate. Isolation and preservation of manganese oxidizing bacteria with activity check. Biovigyanam Vol. 15, No 1 Pune, India, Pg 1-49. (1987)
- **Gupta, S.G.** and A.D. Agate. Sedimentation of finely suspended particles from wash water using manganese oxidizing bacteria. Journal of industrial pollution control. Vol. 2; 1-4.(1988)
- **Gupta, S.G.** Biohydrometallurgy- an emerging technology to recover metals from ores. In; Proceedings of Microbiotech, Aurangabad, Pg 1-9. (1990)

- **Gupta, S.G.** Preservation and application of *Thiobacillus ferrooxidans* in biohydrometallurgy of copper in: Proceedings of national symposium on application of Geomicrobiology in India, Dhulia, India, Pg 155-165. (1991)
- **Gupta, S.G.** A novel method for long term preservation of *Thiobacillus ferrooxidans* and *Thiobacillus thiooxidans* cultures used in biohydrometallurgical processes. Asian Journal of Microbiology, Biotechnology and Environmental Sciences, India Vol 5, No 1; PG 101-103. (2003)
- **Gupta, S.G.** Effect of some organic cryo protectants on iron oxidation rate of *Thiobacillus ferrooxidans* and sulphur oxidation rate of *Thiobacillus thiooxidans* cultures used in biohydrometallurgical processes. Vol. 4 No 4, Pg 695-698. (2004)
- **Gupta, S.G. et al.**, Adsorption and removal of basic fuchsin and crystal violet by metabolically active and dead biomass of *E-coli*, *Aspergillus oryzae*, *Saccharomyces cerevisiae*. Published in the proceedings of national seminar on Biotechnology in environmental protection and monitoring. Sponsored by UGC and organized by S.R.R. Government Degree and PG College Karimnagar, A.P., India, Pg 252-259. (2006)
- **Gupta, S.G. et al.**, Reduction of toxic  $\text{Cr}^{6+}$  by *Pseudomonas* sp. and adsorption of  $\text{Cu}^{2+}$  by biomass of few microbial cultures. Published in the proceedings of national seminar on Biotechnology in environmental protection and monitoring. Sponsored by UGC and organized by S.R.R. Government Degree and PG College Karimnagar, AP, India, Pg 219-225. (2006)
- **Gupta, S.G. et al.**, Sorption of some laboratory dyes by untreated and treated biomass of *Saccharomyces cerevisiae* and *Spirogyra*. Journal of Basic and Applied Sciences, India. Vol 1 , Pg. 28-37 (2006)
- **Kranti Engade and Gupta, S.G.** Adsorption of few synthetic dyes by metabolically active culture of *Aspergillus terreus*. National Journal of Life sciences, India, Vol. 3(1); Pg. 59-63. (2006)
- **Kranti Engade and Gupta, S.G.** Adsorption of synthetic dye and dyes from a textile effluent by a dead microbial mass. Journal of Industrial Pollution Control, India. Vol. 23(1) Pg 145-150 (2007).
- **Kranti Engade and Gupta, S.G.** Metabolism dependant and independent adsorption of Rathilene Blue and Rathilene Brown dyes by *Aspergillus niger*, *Saccharomyces cerevisiae* and *Bacillus subtilis* cultures. Bioinfolet. Vol 4(1) Pg 44-47. (2007)
- **Mohammed Asef Iqbal, and S.G. Gupta.** Studies on heavy metal ion pollution of ground water sources as an effect of Municipal solid waste dumping. African Journal of Basic and Applied Science. 1(5-6): 117-122. (2009).(ISSN:2079-2034)
- **Mohammed Asef Iqbal, and S.G. Gupta.** Study on effect of Municipal solid waste dumping on groundwater quality index. Journal of Aquatic Biology. 24(2): Pg. 118-123, (2009).(ISSN:0971-4235)

- Pandhare R.S. and S.G. Gupta, Isolation and screening of fungi for sorption of hexavalent Cr from soil contaminated with effluent. *Journal of Microbial world*. Vol. 12(1), Pg-61-65 (2010)
- Gursahani, Y. H. and S.G. Gupta. Occurrence and extra cellular enzymatic activity profiles of bacterial strains isolated from hot springs of western coastal districts of Maharashtra, *Internet Journal of Microbiology*. Vol. 9 (2010).
- S.A. Sadaphal, P.D. Ghogare, S.G. Gupta, B.B. Shingate, Shingare M.S. “Synthesis and biological activity of some fluorinated arylhydrazotriazoles” *Arabian J. of Chem*. 5:257-261 (2012).(Peer reviewed Journal)
- Sayed, R.A. and S.G. Gupta. Groundwater quality evaluation in Beed City, Maharashtra India. *African Journal of Biotechnology*. 9(7). (2010).(ISSN:1684-5315)
- Sayed, R.A. and S.G. Gupta. River water quality assessment: Seasonal parametric variation. *Iranica Journal of Energy and Environment* 1(4):326-330 (2010). (ISSN: 2079-2115).
- Sayed, R.A and S.G.Gupta. Bacterial contamination of surface water in and around Beed district, Maharashtra, India. *J. Microbial. Biochem. Technol*. 3(5):88-91 (2011). (ISSN:1948-5948)
- Hungund, B.S., and S.G. Gupta. Factors affecting production of cellulose from *Gluconoacetobacter xylinus*. *Asian Journal of Microbiology Biotechnology and Environmental Sciences*. Vol-12. Pg. 31-36. (2010). (ISSN:0972-3005)
- Hungund, B.S., and S.G. Gupta. Production of bacterial cellulose from *Enterobacter amnigenus* GH-1 isolated from rotten apple. *World Journal of Microbiology Biotechnology*. 26: 1823-1828. (2010). (Impact factor:1.2)
- Hungund, B.S., and S.G. Gupta. Strain improvement of *Gluconoacetobacter xylinus* NCIM 2526 for bacterial cellulose production. *African Journal of Biotechnology*. Vol-9. 5170-5172. (2010) (ISSN:1684-5315) (Impact factor: 0.6)
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