

RESUME



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**Current Status: Principal, Seth Phoolchand Agrawal Smriti Mahavidyalaya,
Nawapara-Rajim. Raipur, Chhattisgarh**
Academic Achievements:

Examination	Year	University	Subjects	Percent (%)
Bachelor	1986	Pt. Ravishankar Shukla University	Bot, Zoo, Chem	65%
Master	1988	Pt. Ravishankar Shukla University	Biosciences	68 % (3 rd in merit)
M.Phil.	1989	Pt. Ravishankar Shukla University	Biosciences	72% (2 nd in merit)
Ph.D.	1992	Pt. Ravishankar Shukla University	Biosciences	Awarded

Title of Ph.D. Thesis: "Circadian time structure of shift workers and diurnally healthy human subjects".
Discipline: **Bioscience.**

Teaching Experience: ~18 years

- Three years teaching in post graduate classes in School of Life Sciences during RA. (July 1996- June 1999) (as Research Associate CSIR)
- One and half years of teaching in graduate classes in Arts & Commerce Girls College, (Aug 1999- Oct 2000) Devendra Nagar Raipur. (As Asst. Prof.)
- Three academic years of teaching in Institute of Pharmacy. Pt. R.S.S.U., Raipur. (Nov. 2000-04 March) (As Asst. Prof.)
- Two Semester teaching in Dept. of Biotech. & Biomed. Engg., in Govt. Engg. College, (now NIT) Raipur. (2003-04) (As Asst. Prof.)
- Two years of teaching at Shri Rawatpura Sarkar Institute, Kumhari. (students of pharmacy, nursing, and biotechnology (2004 April – March 2006) As Senior Lecturer & **Professor Approved under sec. 28)**
- Teaching in Dept. of BT & MB, Rungta College of Science and Technology since April 2006-2009.

- Teaching BT students GD Rungta college of Science & Technology since July 2007-April 2013
- Teaching bio students Seth Phoolchand Agrawal Smriti Mahavidhyalaya since June 2013-till date

Research Experiences: ~11 Years

- M.Phil. Dissertation 1988-1989
- Predoctoral Work 1989-1992
- Postdoctoral Work 1993-1999

Publications:

- Papers published in referred Journals and Proceedings: 26
- Papers presented in Symposia/Conferences : 34

Membership of Learned Bodies/ Societies:

- Indian Society of Chronobiology: Life Member & Executive Council Member (1994-1999).
- Indian Society of Physiologist & Pharmacologist: Life member
- Journal of Parasitology and Applied Biology: Life Member
- Ethological Society of India: Member
- Member Chhattisgarh Swami Vivekananda Technical University Nanotechnology Core Group
- Editor (Biotechnology section) CSVTU Journal of Technology

Fellowships Awarded:

- Research Associateship by Council of Scientific & Industrial Research, New Delhi. (RA, No. 9/266(38)/94-EMR-I). (March 1994-Feb 1999).
- Senior Research Fellowship by Council of Scientific & Industrial Research, New Delhi. (SRF, No. 9/266(23)91-EMR-I. (July 1991-Feb.1994)
- Junior Research Fellowship by Pt. Ravishankar Shukla University, Raipur. (Aug 1990- June 1991)

Administrative Experience: ~10 years

- As Coordinator, Principal In Charge, Centre Superintendent, Academic Head, Linkage Officer in Shri Rawatpura Sarkar Institute, Kumhari (April 2004-March-2006)
- As Principal (I/C) and Centre Superintendent Rungta College of Pharmaceutical Sciences & Research, Bhilai. (April 2006-2009)
- As Prof. & Head, Dept. of Biotechnology & Microbiology, Rungta College of Science & Technology, Durg.
- As Vice-Principal, Rungta College of Science & Technology, Durg.

- As Principal GD Rungta College of Science & Technology, Bhilai (**approved under sec. 28**) (**2007-2013**)
- As Principal Seth Phoolchand Smriti Mahavidhyalaya, Nawapara-Rajim(**approved under sec. 28**) till date

Conference/ Workshops organized:

- National conference on current trends of nanotechnology in advanced drug delivery (30th March 2007)
- Work shop on bioinformatics (December 2008)
- Workshop on advanced Enzymology its impact on industries (January 2014)
- Workshop on “Bioinformatics, computer aided drug designing principles and the way forward”. (26th Aug. to 29th Aug. 2015)
- Seven days hands on training on “Discovery of potential bio active compounds from local botanical resources- In vitro studies to drug designing (6th Feb to 12 Feb 2016)

Project/dissertation work guided:

1. Biomedical applications of Nanotechnology. For the partial fulfillment of PG Certificate Course in Nanotechnology, conducted by Technical University, Bhilai. (2008)
2. In vitro callus culture of *Jatropha curcas* linn. (2009): Submitted for the partial fulfillment of M.Phil. from Vinayaka Mission Univ. (Ajay Sing)
3. Comparative study of callusing, phytochemical screening & antimicrobial activity in *Jatropha curcas* M.Sc Dessertation work. (Arunima Upadhyay)
4. Study of micro flora of dental caries and its relation to environmental factors M.Sc Dessertation work. (Akanksha Chandrakar)
5. In vitro propagation of vajradanti (*Barleria criomitis*) and its antimicrobial activities M.Sc Dessertation work. (Sapna Sonwane)
6. Physiochemical analysis of packed as well as raw milk available in the local market of Raipur district (Dipti Rajput)

Trainings &Workshop Attended:

- Training at **Hospital Paul Brousse, FRANCE** in the field of **Chronobiology** (1992).
- Completed 12 months certified course in computer applications from **HCS, Raipur** (1997).
- Successfully completed Compact Computer course titled “Introduction to PC software and Internet applications” from **Pt. Ravishankar Shukla University, Raipur** (1999).

- Workshop on PCR and enzyme technology Govt. Science College, Raipur (2006).
- Training at **Indian Institute of Reproductive Medicine, Kolkata**, as **Clinical Embryologist (2007)**.
- Hands on workshop on **FLOW CYTOMETRY**, Pt. JLN Medical College, Raipur (2007).
- UGC sponsored **SAM** workshop on **Capacity Building of Women Managers in Higher Education**. Pt. Ravishankar Shukla University, Raipur (2009).
- UGC sponsored workshop for **training of trainers** at **Tata Institute of Social Sciences**, Mumbai (2010)
- Attended Pre Symposium workshop on Advanced Embryology organized by SARC, Raipur. 3rd - 6th January 2012
- UGC sponsored capacity building of women managers in Higher Education workshop on **Management skills enhancement module** organized by Mohanlal Sukhdia University Udaipur 10th- 14th April 2012.
- RUSA sponsored Five Days Work shop on Higher education system 23rd -27th June 2015 organised by Govt. Nagarjun Post Graduate College of Science, Raipur
- Seven days Workshop organized by Bilaspur University on Advance techniques in Genetic engineering 19th -25 Feb 2017

Other Achievements:

- Delivered several invited lectures in the institutes of repute on topics related to Pharmaceutical Biology, Biotechnology, Pharmacognosy, Immunology, etc.
- Have a good experience of setting up new colleges as fortunately got a chance to set up **two new Pharmacy colleges** and **two new science colleges**.
- Member Editorial board for CSVTU Journal of Technology, published by Technical University, Bhilai.
- Worked as a **Resource Person** in Certified Course of PG Certificate Course in Nanotechnology, conducted by Technical University, Bhilai.
- Represented Pt. Ravishankar Shukla University team in All India Badminton Championship, Mumbai (1987).
- Working as **Resource Person** for UGC sponsored SAM workshops for capacity building women managers in higher education.
- Working as paper setter, valuer, and external examiner for the university.

Personal Details:

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| • Date of Birth | 22 nd December, 1966 |
| • Marital Status | Married |
| • Nationality | Indian |

Date:

Place: Raipur

(DR. SHOBHA GUPTA GAWRI)

LIST OF PUBLICATIONS

1. Pati A.K. & **Gupta S.** (1991). Circulation time dependence of erythropoietic and respiratory responses of Indian garden lizard, *Catotes versicolor*, to mammalian urinary erythropoietin, and thyroxin. **General and comparative endocrinology** **82**, 345-354.
2. **Gupta S.** & Pati A.K. (1992). Data analysis methodology in chronobiological studies. **J. Parasit. Appl. Anim. Biol.** **151-163**.
3. **Gupta S.** & Pati A.K. (1993). Circadian time structure of shift workers. **Occupational and Environmental Ergonomics.** **179-183**.
4. **Gupta S.** & Pati A.K. (1993). International clock undergoes acceleration in healthy nurses on night shift. **Chronobiology**, (Ed. A.K. Pati), **93-95**, RSU, Raipur.
5. **Gupta S.** & Pati A.K. (1993). On job sleep availability: The performance of nurses on night shift. **Chronobiology**, (Ed. A.K. Pati), **97-104**, RSU, Raipur.
6. Chandrawanshi A. **Gupta S.** Pati A.K. & Agrawal S.S. (1993). Inter-relationships between blood pressure viv a vis factors, such as age and sampling time in urban population of Raipur. **J. Human Ecology** **5(3): 197-200**.
7. **Gupta S.** & Pati A.K. (1994). Characteristics of circadian rhythm in six variables of morning active and evening active healthy human subject. **Indian J. Physiology & Pharmacology**, **38 (2): 101-107**.
8. A.K. Pati and **Gupta S.** (1994): Time estimation circadian rhythm in shift workers and diurnally active healthy human subject. **J. Biosciences.** **193) 325-330**.
9. **Gupta S.** & Pati A.K. (1994): Desynchronization of circadian rhythm in a group of shift working nurses: Effect of pattern of shift rotation. **J. Human Ergology.** **23, 121-131**.
10. **Gupta S.** & Pati A.K. (1995): Resolving power of modified Engelmann scale for determining Morningness and Eveningness human population. **J. Hum. Ecology.** **6(1) 21-26**.
11. **Gupta S.** & Pati A.K. & F. Levi (1997): Pattern of shift rotation modulates oral temperature circadian rhythm and sleep-wakefulness profile in shift workers. **J. Biosc.** **22(4) 477-488**.
12. **S. Gupta** (1998): Human circadian rhythm and shift work (**review article**) *Chronophysiology* (Ed. M. Shedpure, Pt. R.S.S.U.).
13. **Gupta S. and** Pati A.K. & Varghese E. (1999): Time perception: A psychochronobiological approach. **Indian Journal of Psychology**, **73-76**.

14. **Gupta S.** and Pati A.K. (1999): Circadian rhythm of subjective fatigue and subjective drowsiness in shift worker. **Ind. J. of Physiol. & Allied Sci.** **53(3) 117-129.**
15. Shukla P., Singh A. and **Gawri S.** (2011): *Gastrimargus musicus* muscle tissue cultur. **Journal of Developmental Biology & Tissue Engineering**, vol 3 (1) 11-12.
16. Shukla P., Patel N., Rao R.M., Shukla J., Verma S., Jha S., **Gawri S.**, (2011): Isolation and characterization of polyhydroxyalkanoate and exopolysaccharide producing bacillus sp. PSI isolated from sugarcane field in Bhilai, India. **Microbial and Biochemical Technology**. Vol 3 (1) 14-16.
17. Shukla P., Sing A., **Gawri S.**, Alexander A., Sonwane,S. (2011): In vitro propagation of *Barleria prionitis* Linn and its antibacterial activity, **International Journal of Pharma Professional's research**. vol (2) 198-200.
18. Shukla P., Vishwakarma, P and **Gawri S.**, (2011): Biotechnological potential of bacterial flora from Cheend juice: Alcoholic beverage from Bastar, India. **Nature and Science**, vol. 9 (3) 62-66.
19. P. Shukla, R Bisen, **S.Gawri** (2012): A survey of edible oil factory effluent. **Life Science & Medical Research Journal** Vol 2012, LSMR 34
20. **Gawri S.**, Shukla P., Chandrakar A. (2012) A survey of micro flora present in dental caries and it's relation to environmental factors. **Recent Research in Science and Technology**, **4(3), 9- 12.**
21. **Gawri S** and Upadhaya A. (2012). A comparative study on the antimicrobial activity and the presence of phytochemicals in the petioles and callus of *J curcas*. **Journal of Phytology** **4(3): 18-20.**
22. P. Shukla, R. Rahangdale, Ajay Singh and, **S.Gawri** (2012) Amylase production from *Gastrimargus musicus* muscle cells in culture and immobilized state **International Journal of Innovation of Science & research** vol 1, No 01, pp 001-003.
23. **Gawri S.**, Sing A, Shukla P., Upadhaya A. (2013). In vitro propagation & phytochemical screening of *Jtropa curcas* **International J of current Science** 6 E 109-117.
24. **Gawri S.** Shukla P. Bisen R (2015). Lipolytic bacteria: A survey of edible oil factory effluent. **Indian Journal of Life Sciences** **5(1):123-125 ISSN: 22787829 (IF: 1.65)**
25. Chandrahas Sahu and **Shobha Gawri** (2016). Study of dye degradation from different *Basidiomycetes species* **Shodh Darpan** (Proceedings of International seminar on Emerging skill Development trends in the field of Sciences, Social Sciences and Education. Special Issue January 2016 (ISSN NO-2454-1516) pg no 226-233
26. Perna Soni and Shobha Gawri (2017). Study on Antimicrobial activity of different solvent extracts of *Ocimum sanctum* Linn. against some bacterial species. In Environmental problems and sustainable development: issues and challenges pg. . Roopshikha Agrawal eds. Published by Astral International Pvt. Ltd 79-86

LIST OF SYMPOSIUM/ CONFERENCE PAPERS

1. **Gupta S.** (1989). Circadian stage dependent effect of L.-Thyroxin and Erythropoietin on Indian garden lizard. Symposium on reset advances and endocrinology. Pondicherry, Oct. 16-19.
2. **Gupta S & Pati A.K.** (1990) *In vivo* and *in vitro* effects of human urinary Erythropoietin are circadian stage dependent. Forth International conference on chronopharmacology and chronotherapeutics. Nice, acropolis, France March 12-15.
3. **Gupta S & Pati A.K.** (1990) International clock undergoes acceleration in healthy nurses on night shift. International symposium on current status of Chronobiology and 8th biennial meeting of Indian Society for Chronobiology Raipur Nov.24-26.
4. **Gupta S & Pati A.K.** (1990) On jobs availability: The performance of nurses on night shift. International symposium on current status of Chronobiology and 8th biennial meeting of Indian Society for Chronobiology. Raipur Nov.24-26.
5. Gupta S & Pati A.K. (1991). Circadian time structure of shift workers. International symposium of ergonomics, occupational health, shift work and environment. (ISE-OH-AC), IIT, Bombay Jan 1-3.
6. **Gupta S.** (1991). Chrono-optimization of shift work. 6th M.P. Young Scientist Congress. Raipur, March 7-9.
7. **Gupta S & Pati A.K.** (1991) Sleep quantity & quality: performance of shift worker. International congress on Chronobiology: mechanisms and therapeutic application. Villenjuif (France) 16-17 October.
8. Pati A.K. & **Gupta S.** (1992). Circadian rhythm in shift worker: effect of pattern of rotation International symposium of recent trend in life sciences. Hyderabad, Nov. 19-22.
9. **Gupta S.** & Pati A.K. (1994) Circadian rhythm in shift workers: effect of pattern of rotation. National symposium of Chronobiology and IX biennial meeting on Indian Society of Chronobiology, Lucknow, Feb 21-23
10. **Gupta S.** & Pati A.K. (1995) Seasonal modulation of Circadian Rhythm parameter in oral temperature subjective fatigue and drowsiness in human female. X National symposium of Indian society of Chronobiology, Pune Aug 21-22.
11. **Gupta S.** (1996) Shift optimization: A Chronobiological approach. National Science day sponsored by MAPCOST and Pt. R.S.U. 27-28.
The presentation bagged 2nd prize in the young scientist competitive session

12. **Gupta S.** (1996). Rhythm desynchronization in shift workers: necessity to setup Chronoclinic. XIth National symposium Indian society of Chronobiology, AIIMS, New Delhi, Nov 25-26.
13. **Gupta S.** (1996) Oral temperature and subjective drowsiness rhythm in a group of diurnally active human subject. Silver Jubilee Meetings of the Ethological society of India and National symposium on behavior, school of life sciences, Pt. R.S.U., Raipur Dec. 28-30.
14. **Gupta S.** (1997) Incidence of trace metal in toxicity among healthy human subjects & shift workers. Govt. D.B. College Raipur Jan 27-28.
15. Chhablani P.R., Pande S., **Gawri S.** (2007). Mycetoma of foot caused by *Actinomadura madurae* – A case report. MICROCON 2007, Mangalore
16. Thakur V., **Gawri S.** (2008). Micro propagation of *Aloe barbedensis*. National seminar on botanical researchers of present scenario and future prospectus. Govt. Science College, Raipur. Jan. 29-30.
17. Rao R.M., Shukla P. and **Gawri S.** (2008). Characterization of an industrially useful bacterium of Bacillus group isolated from sugarcane field in Bhilai. International Society Biotechnology Conference, Majitar, Sikkim. Dec. 28-30.
18. Shukla J., Shukla P. & **Gawri S.** (2008). Isolation & characterization of a PHA producing bacteria from Garbage Dump site. International Society Biotechnology Conference, Majitar, Sikkim. Dec. 28-30.
19. Kumari S. & **Gawri S.** (2008). Biodiversity of exopolysaccharide producing thermophilic bacteria in hot industrial waste of steel plant. International Society Biotechnology Conference, Majitar, Sikkim. Dec. 28-30.
20. **Gawri S.** (2009). Biomedical applications of Biotechnology. Symposium on Biotechnology. RITEE, Raipur. Jan. 27. (**Invited talk**)
21. Deo S. **Gawri S.** Sweta N & Ayasha F (2010): Didactic of Human Beings: Ayurveda International Symposium on Vedic Science and Research. Pt. RSU Nov. 20-21.
22. **Gawri S.** (2011) Chrono-nanotechnology a promising branch of Nanotechnology. AICTE sponsored Conference on Nanotechnology and Nanomedicine. Rungta College of Engg. & Technology, Bhilai 25-26 June.
23. **Gawri S.** (2011) Chronotherapy-a promising branch in medicine. National conference on resource: Its implication, alteration and management for the welfare of living kingdom Dept. of Biotechnology, Govt. V.Y.T.P.G. Autonomous College, Durg, (C.G.) October 11-12.
24. **Gawri S.** (2011). Can salivary C-reactive protein serve as an indicator of dental caries? National conference on Advances in Biological Sciences, School of life sci. Pt. RSU, Raipur November 5-7, 2011

25. **Gawri S** (2012). Comparative phytochemical screening and antimicrobial activity between the petioles and callus of *J. curcas*. National conference on importance of medicinal plants in toxicology and reproductive endocrinology. A perspective, Dept of Zoology, Bhilai Mahila Mahavidyalaya, Bhilai, Jan. 20-21.
26. **Gawri S** (2013). Comparison of antibacterial activity of *barleria prionitis* from field as well as from cultured condition. II National conference on recent advances in biological sci., School of Life Sci., Pt. Ravishankar Shukla Univ., Raipur. Nov 25-27.
27. **Gawri S.**, Pandey B., Sabeeha A., (2015) Rhizobium as biofertilizer. UGC sponsored National conference on recent advances in medicinal plant research and its application on human health. Bhilai Mahila Mahavidhyalaya, Bhilai. March 2-3.
28. Rajput D and **Gawri S.** (2015). Physiochemical analysis of different milk samples available in the local market. XXV National symposium on chronobiology : time in biology and medicine. School of Life Sciences, Pt. Ravishankar Shukla University, Raipur and Indian Society for Chronobiology. March 27-29.
29. Bharti Sahu and **Shobha Gawri** (2016) A comparative study of Antibacterial Activity against some bacterial stain between different parts of ocimum *sanctum* (Tulsi) 3rd International Congress of the society for Ethnopharmacology and Evaluation of Medicinal Plants-Global Perspectives Feb: 19-21. Pt. Ravishankar Shukla Univ. Raipur.
30. Perna Soni and **Shobha Gawri** (2016) Qualitative phytochemical analysis of solvent extracts of *Oscimum sanctum* Linn. Collected from Kabir Ashram Nawapara, Raipur (Chhattisgarh) 3rd International Congress of the society for Ethnopharmacology and Evaluation of Medicinal Plants-Global Perspectives Feb: 19-21. Pt. Ravishankar Shukla Univ. Raipur.
31. Perna Soni and **Shobha Gawri** (2016) Study on antimicrobial activity of different solvent extracts of *Ocimum sanctum* Linn. Against some bacterial species National seminar on environmental problems and sustainable development :Issues and Challenges. Govt. Rajeev Lochan college, Rajim Dist Gariyaband Jan 19-20 2016
32. Bharti Sahu and **Shobha Gawri** (2016) Evaluation of antibacterial activity of various concentrations of tulsi (*oscimum americantum*) extracts against streptococcus *mutans* National seminar on environmental problems and sustainable development: Issues and Challenges. Govt. Rajeev Lochan college, Rajim Dist Gariyaband Jan 19-20 2016
33. **S Gawri** and Preetilata Minz (2016) Inhibitory effect of ethanolic extract from punica *granatum* leaves and stems on some microorganisms. National seminar on environmental problems and sustainable development: Issues and Challenges. Govt. Rajeev Lochan college, Rajim Dist Gariyaband Jan 19-20 2016
34. **S. Gawri** (2017) Hepatoprotective activity of medicinal plants in Indian Folk medicine National seminar on advances in environmental science and technology Digvijay College Rajnandgao Jan 23-24.