

CURRICULUM VITAE

Personal Details

Name : Dr. Sudhanshu Shekhar Yadav
Father's Name : Triloki nath yadav
Date of Birth : 03/03/1977
Gender : Male
Nationality : Indian
Mailing Address : Department of Biochemistry
VBS Purvanchal University, Jaunpur, (UP)- 222003
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- **Current Position** : Guest Lecturer, Department of Biochemistry
- **Teaching Experience** : Three Year (MSc. courses)
- **Research Experience** : Seven Years
- **R & D Experiences** : Two Years

Educational Qualifications

Ph.D in Applied Biochemistry

Jan'2006-Dec'2011

- **Parasite Biochemistry and Immunology Laboratory, Department of Biochemistry, Banaras Hindu University, Varanasi. India.**
 - **Thesis title: "Characterization of filarial Glutathione Reductase and Potential of redox system as drug target".**
 - **M.Sc. (Applied Biochemistry)- Department of Applied Biochemistry, Faculty of Science, V.B.S. Purvanchal University, Jaunpur- 222001, Uttar Pradesh, India, 2004.**
 - **B.Sc. (Biology)- Tilak Dhari Postgraduate College, VBS Purvanchal University, Jaunpur-222002, Uttar Pradesh, India, 1997.**
 - **CRET-BHU Biochemistry, 2005.**
 - **CSIR-NET- Council of Scientific and Industrial Research, New Delhi, India, June 2007.**
 - **GATE- Indian Institute of Technology Kanpur, Uttar Pradesh, India, Feb. 2007.**

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INTERNATIONAL/ NATIONAL RESEARCH FELLOWSHIP

1. “Scholarship for Higher Education” Uttar Pradesh Government, India. (Jan. 2006– Dec. 2006)
2. “University Grant Commission-Research Fellowship” Banaras Hindu University, Varanasi - 221005, UP, India. (Jan. 2007- Dec. 2010)
3. **Alexzander Von Humboldt (AvH) fellowship**, Germany. (April 2011 to July 2011)

LIST OF PUBLICATIONS (2009-2013)

- ❖ Satish K. Awasthi , Nidhi Mishra , Sandeep Kumar Dixit , Alka Singh , Marshleen Yadav , **Sudhanshu S. Yadav** , and Sushma Rathaur (2009): Antifilarial Activity of 1,3-Diarylpropen-1-one: Effect on Glutathione- S - Transferase, a Phase II Detoxification Enzyme. *Am. J. Trop. Med. Hyg.* 80(5), pp. 764-768
- ❖ **Sudhanshu Shekhar Yadav**, Vinay Kumar Singh, Eva Liebau and Sushma Rathaur (2012): Molecular modeling and docking studies of *Brugia malayi* Glutathione Reductase. Online Journal of Bioinformatics. *Volume 13 (1):59-79*
- ❖ **Sudhanshu Shekhar Yadav**, Vinay Kumar Singh, Eva Liebau and Sushma Rathaur (2012): Amplification, In-silico classification, characterization and molecular modeling of Histone H2B gene from *Setaria cervi*. Online Journal of Bioinformatics. *Volume 13 (2):232-245*
- ❖ Elesela Srikanth, **Sudhanshu S. Yadav**, Saurabh Mishra and Sushma Rathaur (2012): Lymphatic filariasis in the Varanasi region of north India: a population of high risk for Elephantiasis. (Accepted in Indian Journal of Medical Research)
- ❖ **Sudhanshu S. Yadav**, Elesela Srikanth, Neetu Singh and Sushma Rathaur (2013): Identification of GR and TrxR systems in *Setaria cervi*: Purification and Characterization of glutathione reductase. *Parasitology International*, 62 (2): 193-198

PAPER UNDER COMMUNICATION/PREPARATION

- ❖ **Sudhanshu S. Yadav**, Elesela Srikanth and Sushma Rathaur: Antifilarial activity of *Ammania bacifera* aqueous extract on the survival of bovine filarial parasite and effect on redox system of *Setaria cervi*. (Communicated in Parasitology research)
- ❖ **Sudhanshu S. Yadav** and Sushma Rathaur: Effect of antihelmintics on *S. cervi* redox systems: An in vivo and in vitro study. (Communicated in *Am. J. Trop. Med. Hyg.*)
- ❖ **Sudhanshu S. Yadav** and Sushma Rathaur: Antifilarial Activity of 1,3-Diarylpropen-1-one: Effect on Glutathione Reductase and Thioredoxin Reductase, a Filarial Redox System Enzymes. (Under preparation)
- ❖ **Sudhanshu S. Yadav**, Eva Liebau and Sushma Rathaur: Cloning, Expression and characterization of glutathione reductase from *Brugia malayi*: A human filarial parasite. (Under preparation)

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SEQUENCES SUBMITTED IN NCBI; PROTEIN STRUCTURES SUBMITTED IN PMDB

- ✓ **GENES:** *Setaria cervi* Glutathione Reductase (JQ074171), *S. cervi* Acid Phosphatase (JQ003614), *S. cervi* Cathepsin B (JQ07417), *S. cervi* Galactoside-binding Lectin (JQ622389), *S. cervi* Histone H2B (JQ622388) & *Brugia malayi* Cathepsin B (JQ622390), *Bacillus licheniformis* α -Amylase (KX034161).
- ✓ **PROTEIN STRUCTURE:** BmGR (ID; PM0077742), ScGR (ID-PM007743), ScCB (ID; PM0078102), ScGalectin (ID; PM0078103), ScH2B (ID; PM0078101) & ScAP (ID; PM0078104).

RESEARCH PAPERS PRESENTED IN SEMINAR/SYMPOSIUM

- ❖ **Sudhanshu Shekhar Yadav** and Sushma Rathaur (2008): Poster entitled “Effect of antihelmintics on *S. cervi* glutathione reductase: An in vivo and in vitro study” was presented in 20th National Congress of Parasitology. NEHU, Shillong. PP-105, 169
- ❖ Elesela Srikanth, Saurabha Srivastava, **Sudhanshu S. Yadav**, Saurabh K. Mishra and Sushma Rathaur (2008): Best oral presentation award for the paper entitled “Lymphatic filariasis in the Varanasi region of North India: A population showing high risk of elephantiasis” at 20th National Congress of Parasitology, NEHU Shillong. OP-32, 90
- ❖ **Sudhanshu Shekhar Yadav** and Sushma Rathaur (2009): Poster entitled “Identification, Purification and Characterization of Glutathione reductase from *Setaria cervi*” was presented in Xth International Symposium on Vectors and Vector Borne Diseases. Goa University, Goa. PP-163, 234
- ❖ **Sudhanshu Shekhar Yadav**, Elesela Srikanth, Sumit Sethi, C.M. Chaturvedi and Sushma Rathaur (2010): Poster entitled “Antifilarial activity of a herbal extract on the survival of bovine filarial parasite *Setaria cervi*” was presented in XIth International Conference on Role of Biomolecules in the security and health improvement. Banaras Hindu University, Varanasi. P.4.2, 93
- ❖ Attended Workshop on “**Protein modeling and simulation: Its application in biological sciences**” held on September 15-16, 2009 at Centre for Bioinformatics, School of Biotechnology, Faculty of Science, BHU.
- ❖ **Sudhanshu Shekhar Yadav** Attended Workshop on “optimization and Scale-up of recombinant protein production for Bacterial system” held on August 22-24, 2014 at recombinant protein production facility, School of Biotechnology, Jawaharlal Nehru University, New Delhi, India.
- ❖ **Sudhanshu Shekhar Yadav** and Sushma Rathaur (2016): Poster entitled “Filarial Redox System as drug target: Ex-vivo, In-vitro and In-silico studies of Chalcones on Redox enzymes of *Setaria cervi* [Glutathione reductase (GR) and Thioredoxin reductase (TR)]” was presented in 26th National Congress of Parasitology. Banaras Hindu University, Varanasi.

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PARTICIPATION IN PRODUCTION OF EDUCATIONAL TV PROGRAMME

- ❖ Attended an educational TV programme on Lymphatic filariasis at Seergoverdhanpur, Varanasi under the supervision of Prof. S. Rathaur Department of Biochemistry Faculty of Science, BHU, Varanasi. Programme showed on **National Geographic Channel. (June 2008)**.
- ❖ Participated in the 06 days **Training Programme on Academic Leadership** from 19th Feb. to 24th Feb. 2018 at VBS Purvanchal University, Jaunpur, U.P., India.

Date: 14/03/2018

Place: Jaunpur

Sudhanshu Shekhar Yadav