



## Prof Surya Kant Chaturvedi

E-mail: [suryakantmgcgv@gmail.com](mailto:suryakantmgcgv@gmail.com)

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/231418>

Orcid Id: 0000-0001-6232-9192

Phone: 8009893054, 9450607094

Address: Satna ,Madhya Pradesh,India - 485334

## Expertise

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### Zoology

Wildlife Biology, Animal Acoustics, EIA, GIS, Stress Physiology and Biomath

## Work experience

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1. Mahatma Gandhi Chitrakoot Gramoday University 2009 — Present

Professor

Satna

## Education

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1. D. Phil. - 1998

University of Allahabad

2. M.Sc. - 1986

University of Allahabad

## Honours and Awards

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1. Fellowship - 2024

Asian Biological Research Foundation India

2. Fellow Global Environment and Social Association - 2021

GESA

3. Fellow Zoological Society of India - 2015

Zoological Society of India

## Research Project

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Habitat Characterization at landscape level with special emphasis on geobotanical analysis at Achanakmar Biosphere Reserve

Role: Co-Investigator

Year 2006, Amount 1700000

Advance training program on application of satellite RS & GIS

Role: Co-Investigator

Year 2006, Amount 600000

Resource map of villages of Majhgawan Block

Role: Investigator

Year 2001, Amount 1000000

## Membership In Professional Bodies

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1. International Society of Primatology, 2024

Annual

2. Society of Mammology, 2024

Annual

3. Fater Academy of India, 2021

Life Member

4. Institute of Scholars, 2020

Fellow Member

5. Zoological Society of India, 2015  
Fellow & Life Member
6. Bioved Research Society, 1992  
Fellow & Life Member
7. Indian Science Congress Association,  
Life Member

## Membership In Committees

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1. Internal Quality Assurance Centre (Distance Education), 2023  
Member Higher Institution

## Publication

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1. CORRELATION STUDY AMONG WATER QUALITY PARAMETERS OF KARWI TAHSIL, DISTRICT CHITRAKOOT AN APPROACH TO WATER QUALITY MANAGEMENT  
Ashok Kumar Tiwari, Surya Kant Chaturvedi, Sharwan Kumar Dixit and Ashwani Awasthi  
European Journal of Biomedical AND Pharmaceutical sciences, Volume 11 (5), Year 2024, Pages 111-117
2. Mathematical study and simulation on stenosed carotid arteries with the help of a two-phase blood flow model  
Pooja Maurya, Virendra Upadhyay, Surya Kant Chaturvedi, Dinesh Kumar  
Canadian Journal of Chemical Engineering, Volume , Year 2023, Pages
3. Mathematical Model Pulmonary Circulation  
Dheerendra Kumar, Virendra Upadhyay, Surya Kant Chaturvedi  
Mathematical Model Pulmonary Circulation , Volume , Year 2023, Pages
4. Mathematical Analysis on Mild Stenosed Artery with the help of a Two-Phase Non- Newtonian Blood Flow Power Law Model  
Priyanka Gupta, V. Upadhyay, S. K. Chaturvedi  
International Journal of Advance Research and Innovative Ideas in Education, Volume , Year 2022, Pages 1843-1849
5. Mathematical Analysis of two phase Coronary Blood flow in Arterioles with

## Silent Ischemia Disease

V. Upadhyay, Priyanka Gupta, S. K. Chaturvedi and Dheerendra Kumar  
IJCRT, Volume Volume 10, Issue 10 , Year 2022, Pages b913-b921

### 6. A Mathematical Modelling of Two-phase Coronary Blood Flow in Arterioles with Special Reference to Silent Ischemia

Priyanka Gupta, V Upadhyay, Surya Kant Chaturvedi  
AIJR, Volume 9 (4), Year 2022, Pages b148-b156

### 7. Pharmaceutical and clinical evaluation of Yashad Bhasm and Ashwagandhadi Yog in the management of Shwet Pradar.

Rai Ahuti, Chaturvedi S.K., Shukla Umesh  
National Journal of Research in Ayurved Science, Volume 10 (4), Year 2022, Pages 01-07

### 8. Review study of Yashad

Rai Ahuti, Chaturvedi S.K. and Shukla Umesh  
National Journal of Research in Ayurved Science, Volume 10 (4), Year 2022, Pages 1-7

### 9. First record of Mango blossom midge Procystiphoramangiferae (Felt, 1927) from Satna, Madhya Pradesh

R. C. Tripathi, S. K. Chaturvedi, G. Bhaskar  
International Journal of Entomology Research, Volume 5 (3), Year 2020, Pages 87-89

### 10. Hemodynamical Modeling in Two Phases Pulmonary Circulation during Inflammation

Kumar Dheerendra , Upadhyay V. , Chaturvedi Surya Kant , Pandey P. N., and Pandey Devras  
International Journal of Agriworld, Volume 1(1), Year 2020, Pages 37-42

### 11. Evaluations of Disturbance and Land Cover Changes in the Chitrakoot Forest Range Madhya Pradesh

Chaturvedi, Surya Kant; Kumar S.  
Journal of Space Science & Technology, Volume 8 (2), Year 2019, Pages 1-5

### 12. Birds of Chitrakoot

Surya Kant Chaturvedi and Atul Kumar Tiwari  
Birds of Chitrakoot, Volume , Year 2019, Pages

### 13. Status and distribution of Indian flying fox (Pteropus giganteus) in district Chitrakoot, Uttar Pradesh, India

Chaturvedi, Surya Kant; Singh, Shivani  
International Journal of Zoology Studies, Volume (3)2, Year 2018, Pages 126-128

### 14. A study on non-newtonian mathematical modeling of two phase human pulmonary blood flow in venules during lung cancer

Kumar, Dharendra; Upadhyay, V.; Chaturvedi, S.K. and Pandey, P.N.  
International Journal of Applied Research, Volume 3(9), Year 2017, Pages 4-12

### 15. Analysis of two phase blood flow in human pulmonary artery during lung

## cancer by mathematical modeling

Kumar, Dheerendra; Chaturvedi, S.K.; Upadhyay, V. and Pandey, P.N.

American International Journal of Research in Science, Technology, Engineering & Mathematics , Volume 20(1), Year 2017, Pages 44-49

16. **Applied mathematical model of two phase human pulmonary blood flow in venules with special reference to lung cancer**

Kumar, Dheerendra; Upadhyay, V.; Chaturvedi, S.K.; Pandey, P.N. and Singh, D.P.

International Journal of Current Research, Volume 9(10), Year 2017, Pages 58601-58606

17. **Hospital solid waste supervision in Chitrakoot, Uttar Pradesh, India**

Chaturvedi, Surya Kant; Singh, Shivani

International Journal of Science and Research, Volume 6(4), Year 2017, Pages 901-904

18. **Eco-Ethological Study on Semnopithecus Entellus in Chitrakoot (Satna), Madhya Pradesh**

Mishra M. K., Chaturvedi, S. K.

Paripex- Indian Journal of Research, Volume 6 (6), Year 2017, Pages 1333-1338

19. **Status of Noise Pollution on Certain Traffic Places in Allahabad City, U.P., India**

Chaturvedi Surya Kant; Singh Shivani

International Journal of Scientific Engineering and Research, Volume 5 (4), Year 2017, Pages 39-42

20. **Correlation Study amongst Water Quality Parameters of Paiswani River in Chitrakoot (M.P.), India: An Approach to Water Quality Management**

Tiwari A.K.;Chaturvedi S.K.

Journal of Environmental Science and Engineering, Volume 59, Year 2017, Pages 349-356

21. **Weedy rice infestation (OryzaSativa F. Spontanea L.) in tribal area of Madhya Pradesh,**

Mishra, Shubhash Kumar; Chandra, Ramesh; Chaturvedi, S.K. and Singh, Ravindra

International Journal of Current Research, Volume 9(5), Year 2017, Pages 51039-51042

22. **A mathematical study of two phase coronary blood flow in coronary arteries with special reference to angina**

Upadhyay, V.; Mishra, Sunita; Chaturvedi, S.K.; Agrawal, A.K. and Pandey, P.N.

International Journal of Applied Research, Volume 3(2), Year 2017, Pages 242-247

23. **Bacteriological status and specific pathogens of river Mandakini in Chitrakoot, district Satna**

Tiwari, Ashok Kumar; Tiwari, Aakanksha; Chaturvedi, Surya Kant and Baghel, Pooja Singh

Indian Journal of Environmental Protection, Volume 37, Year 2017, Pages 54-64

24. **Preliminary survey of bird fauna in Karwi tehsil, district Chitrakoot, U.P.**

Chaturvedi, Surya Kant; Nigam, Srishti and Dwivedi, Anshu

International Journal of Science and Research, Volume 6(8), Year 2017, Pages 1585-1590

25. **Study on seasonal density of zooplanktons in Ken river of Panna district (M.P.)**  
Chaturvedi, Surya Kant; Mehter, Lankesh and Tiwari, Atul Kumar  
International Journal of Zoology Studies, Volume 2(5), Year 2017, Pages 175-181
26. **Winter seasonal effect on ground water quality in Banda city (U.P.), India**  
Chaturvedi, S.K. and Dwivedi, Dipti  
International Journal for Scientific Research & Development, Volume 5(1), Year 2017, Pages 725-726
27. **Mathematical modeling of two phase human pulmonary blood flow in arterioles: Lung cancer**  
Kumar, Dharendra; Upadhyay, V.; Chaturvedi, S.K  
International Journal of Applied Research, Volume 2(11), Year 2016, Pages 184-190
28. **Study on phytoplankton and zooplankton in Ken River of Panna district (M.P.)**  
Mehatar, Lankesh; Chaturvedi, S.K. and Khare, H.N.  
Research Journal of Bundelkhand, Volume 4, Year 2016, Pages 147-149
29. **Health impact assessment of stone crusher workers in bundelkhand region of Uttar Pradesh**  
Chaturvedi, S.K.; Upadhyay, M.K.; Nayak, C.S. and Mishra, M.K.  
Indian Journal of Environmental Protection, Volume 35, Year 2015, Pages 581-585
30. **Study on some physico-chemical characteristics of Ken water at Panna (M.P.), India**  
Mehatar, Lankesh; Mishra, B.P. and Chaturvedi, S.K.  
Vindhyan Zoology, Volume XI, Year 2015, Pages 1-5
31. **Physico-chemical analysis of underground water of Karwi Tehsil of Chitrakoot District**  
Dixit, S.K.; Tiwari, A.K.; Chaturvedi, Surya Kant  
Indian Journal of Environmental Protection, Volume 35, Year 2015, Pages 520-528
32. **Physico-chemical analysis of underground water of Karwi Tehsil of Chitrakoot District**  
Indian Journal of Environmental Protection, Year 2015
33. **Selection of plant species Hanuman Langurs (*Semnopithecus entellus*) as food in Chitrakoot forest range of Chitrakoot**  
Chaturvedi, S.K. and Mishra, Manoj Kumar  
International Journal of Scientific Research, Volume 4(1), Year 2015, Pages 21-22
34. **Structural and ion transport study in [PEO-(NH<sub>4</sub>)<sub>2</sub>(C<sub>4</sub>H<sub>8</sub>(COO)<sub>2</sub>):LiFe<sub>5</sub>O<sub>8</sub> electrolyte system**  
Suresh Chandra  
Electroactive Polymer Materials and Devices , Volume V, Year 2015, Pages 174-181

35. **Pharmacognostical and Phytochemical Investigation of Ficus benghalensis Linn. Fruit**  
AK Tiwari, A Chaturvedi, SK Chaturvedi  
Research Journal of Pharmacognosy and Phytochemistry, Volume 6 (4), Year 2014, Pages 147-150
36. **Impact assessment of mass bathing activities on Paiswani River during Deepawali Mela Chitrakot**  
Mishra, Ritu; Tiwari, A.K.; Chaturvedi, S.K.; Tiwari, R.K. and Dixit, S.K.  
Indian Journal of Environmental Protection, Volume 34 (1), Year 2014, Pages 18-28
37. **Vocal communication of Semnopithecus entellus in Chitrakoot forest range, Madhya Pradesh**  
Chaturvedi, Surya Kant and Mishra, Manoj Kumar  
Gramodaya Res. J., , Volume 1, Year 2014, Pages 32-33
38. **Study of man-monkey conflict and its management in Chitrakoot, Madhya Pradesh**  
Chaturvedi, S.K. and Mishra, Manoj Kumar  
The International Journal of Global Science Research, Volume 1 (2), Year 2014, Pages 107-110
39. **Mobility and dielectric study in [PEO: (NH<sub>4</sub>)<sub>2</sub>(C<sub>4</sub>H<sub>8</sub>(COO))]:LiFe<sub>5</sub>O<sub>8</sub> electrolyte system**  
Pandey, Kamlesh; Asthana, Nidhi; Dwivedi, Mrigan Mauli and Chaturvedi, S.K.  
Journal of Applied Chemical Science, Volume , Year 2013, Pages 01-09
40. **Effect of plasticizers on structural and dielectric behavior of [PEO + (NH<sub>4</sub>)<sub>2</sub>C<sub>4</sub>H<sub>8</sub>(COO)<sub>2</sub>] polymer electrolyte**  
Pandey, Kamlesh; Asthana, Nidhi; Dwivedi, Mrigan Mauli and Chaturvedi, S.K.  
Journal of Polymer, Volume , Year 2013, Pages
41. **Correlation matrix and physico-chemical properties of Gavinath Pond Birsinghpur**  
Indian Journal of Environmental Protection, Volume 32, Year 2012, Pages 424-432
42. **Analysis of anthropogenic impact on Paiswani River - A Spatial approach**  
Tiwari A.K.; Chaturvedi S.K.  
Indian Journal of Environmental Protection, Volume 32, Year 2012, Pages 977-987
43. **Analysis of anthropogenic impact on Paiswani River - A Spatial approach**  
Indian Journal of Environmental Protection, Year 2012
44. **Correlation matrix and physico-chemical properties of Gavinath Pond Birsinghpur**  
Indian Journal of Environmental Protection, Year 2012
45. **Identification of lead compound for Haemophilus influenza R2846 strain for formulation of drug to treat Haemophilus influenza Meningitis disease through subtractive genome approach and ligplot analysis**

Upadhyay, Abhishek; Seniya, Chandrabhan and Chaturvedi, S.K.  
Bioved, Volume 23 (1) , Year 2012, Pages 1-11

46. **Genomic analysis and comparative genomics in reference to cystic fibrosis sickle cell and Alzheimer,s diseases**

Upadhyay, Abhishek; Kumari, Ilu; Chaturvedi, S.K. and Upadhyay, Virendra  
Journal of Pharmacy and Biological Science, Volume 1, Year 2012, Pages 26-38

47. **Analysis of anthropogenic impact on paiswani River –A spatial approach**

Tiwari, A.K.; Chaturvedi, S.K.  
Indian Journal of Environmental Protection, Volume 32(12), Year 2012, Pages 977-987

48. **Selection of Sleeping Sites by Hanuman Langurs in Chitrakoot Forest Range of Madhya Pradesh**

Mishra, Manoj Kumar; Chaturvedi, Surya Kant; Upadhyay, Mahendra Kumar  
International Journal of Science and Research (IJSR), Volume 3 (11), Year 2012, Pages 2669-2672

49. **Correlation matrix and physic-chemical properties of Gavinath pond Birsinghpur**

Tiwari, A.K.; Chaturvedi, S.K.; Tripathi, I.P.; Pathak, Bharat; Tiwari, R.K.; and Dixit, S.K.  
Indian Journal of Environmental Protection, Volume 32 (5), Year 2012, Pages 424-432

50. **A mathematical model on effect of stenosis in two phase blood flow in arteries remote from the heart**

Upadhyay, V.; Chaturvedi, S.K. and Upadhyay, A  
J. International Acad. Physical Science, Volume 16 (3), Year 2012, Pages 247-257

51. **Physicochemical quality of Paiswani river water during deepawali mela Chitrakoot 2008.**

Tiwari, A.K.; Chaturvedi, S.K.  
Indian Journal of Environmental Protection, Volume 31 (3), Year 2012, Pages 242-252

52. **Weather affected on the incidence of pests of honeybee (Apis mellifera) in gird zone of Madhya Pradesh**

Singh, Swati; Verma, Rajesh; Chaturvedi, S.K.  
Journal of Agrometerology, Volume 11 (Special Issue), Year 2009, Pages 160-164

53. **Plant leaf as new battery material**

Mishra, Bharat; Singh, Ravindra, Tripathi, S.K. and Chaturvedi, S.K.  
Bulletin of Pure & Applied Sciences, Volume 25B (1), Year 2006, Pages 31-35

54. **Comperative study of Bio-EMF performance of different Agave species**

Mishra, Bharat; Singh, Ravindra, Tripathi, S.K. and Chaturvedi, S.K.  
Bulletin of Pure & Applied Sciences, Volume 25B (2), Year 2006, Pages 115-121

55. **Impact of copper on aquatic weed Azola:with special reference to growth and photosynthetic pigment**

Singh, Ravindra; Chaturvedi, S.K.; Tripathi, S.K. and Mishra, Bharat



56. GIS as a tool for Evaluation of Optimal Landscapes in Shimla District

Chaturvedi, S.K.

Nat. Jun. of Life Sci., Volume 2 (Supp.), Year 2005, Pages 207-212

57. 5'-nucleotidase activity in the haemocytes of *Spodoptera litura*(Noctuidae: Lepidoptera)

S.K. and Mishra, K.K.,.

Flora and Fauna, Volume 10 (2), Year 2004, Pages 167-169

58. Fluoride content in drinking water and ground water quality in rural area of tahsil Mau, district Chitrakoot

Indian Journal of Environmental Protection, Volume 23, Year 2003, Pages 1045-1050

59. Distribution and activity of  $\alpha$ -naphthyl acetate esterase in the blood cells of noctuid moth *Spodopteralitura*(Boisd.).

Vishnoi, D.N. and Chaturvedi, S.K.

Bioved , Volume 3 (2), Year 1992, Pages 191-194

60. Cytological perspectives of epithelial cells, fibroblasts and macrophages in developing, subcutaneous neoplasia of man.

Vishnoi, D.N., Chaturvedi, S.K. and Amita Mishra

Bioved, Volume 1 (1), Year 1990, Pages 11-18