Bio-Data of Dr. Gokul Singh Satyal

1. Name:	**Gokul Singh Satyal**
2. Father's name:	Sri (Late) Narayan Singh Satyal
3, Mother's name:	Smt. Darma Devi
4. Date of birth:	June 15, 1969
5. Present position	Assistant Professor
6. Postal address:	PNGGovernment Post Graduate College, Ramnagar, Nainital (Uttarakhand) E-mail: satyal_gs@yahoo.com Mobile No. 09410184248
7. Permanent address:	Village-Satyal Gaon Post Office-Thal, District-Pithoragrah, (Uttarakhand) Pin- 262552
8.Academic qualification:	High School (1983) and intermediate (1985) in U.P. Board, Allahabad (UP),Graduation (1987), Post Graduation in Geography (1989) and Doctorial Degree (1996) in D. S. B. Campus, Nainital of Kumaun University, Nainital(Uttarakhand).

Research and Teaching Resume:

- ❖ Research experience : more than 15 years
- ❖ Teaching experience : more the 25 years
- ❖ Research papers : more than Thirty

International	National	Books	Edited Books	Popular article (Hindi)	New letter/Reports
09	11	01	07	05	03

- ❖ Reports / Book : more then ten
- ❖ Training course : more then five
- ❖ Seminar/Conference : more thenfifteen

Hindi Article:

1. **G.S. Satyal** (1993) Johar Ghat mai Jari Booti Utpadan aur ParyavaranSamasya, C.H.E.A. Bulletin, Vol. 6, pp 3-77.
2. Kireet Kumar and **G. S. Satyal** (1996) Jaiv vividhatasarsyanhetumradatatuonkaaadhiyan: In U.Dhar et al., (eds), **Himalayan kee Jaiv Vividhata, sanrsyanmai Janta keeBhageedari,**Gyanodaya Prakashan, Nainital, pp. 46-50.
3. Kireet Kumar and **G. S. Satyal** (1997) Jail jameen aur jaivividhata :In U. Dhar et al., (eds) **, Himalayan kee Jaiv Vividhata, sanrsyanmai Janta keeBhageedari**, Gyanodaya Prakashan, Nainital, pp. 38-42.
4. **G. S. Satyal**, Ranbir Rawal and Kireet Kumar (1998) Paryavaranjagarukataabhiyan: awashyakatatathaupadeyata. **ParyavaranJagarukata Abhiyan,** Haldwani, pp.3-6.
5. **G. S**. **Satyal** (1998). Malpa Bhu-skhalan- Karan avam Prabhav, **Hima-Paryavaran**, 10 (2): 21-23.

Edited Books

1. G. S. Bisht, **G. S. Satyal** and H. Singh (1995) Agricultural economy of the bhotias of Central Himalaya: status and potentialities. In B. R. Pant and M. C. Pant (eds) **Glimpses of Central Himalaya; Socio Economic and Ecological Perspective**, Radha publication, New Delhi, pp. 317-332.
2. R. Chand, B. S. Mehta and **G. S. Satyal** (1996) Mining wasteland in the Kumaun Himalaya: A case study of Dewalthal mining area. In; Kireet Kumar et al., (eds) **Land Utilisation in the Central Himalaya; Problems and Management Options**, Indus Publication Company, New Dehli, pp. 105-124.
3. D. K. Agrawal, K. Kumar, **G. S. Satyal**, B. S. Majila and L. M. S. Palni (1997) Control of man induced erosion in hills: Low cost alternatives and their Assessment - preliminary results: In D. K. Agrawal et al., (eds) **Perspective of the Mountain Risk Engineering in the Himalayan Region**, Gyanodaya Prakashan, Nainital, pp. 189-198.
4. D. K. Agrawal, A. P. Krishna, V. Joshi, K. Kumar, P. K. Samal, H. C. Rikhari and **G. S. Satyal** (1997) Background information for the proposed on-site training programme and monitoring of the Mountain Risk Engineering (MRE) Activities in the Kumaun lesser Himalaya, India under MRE intergrated training programme in the Himalayas; India project: In D. K. Agrawal et al., (eds.) **Prespective of the Mountain Risk Engineering in the Himalayan Region,**Gyanodaya Prakashan, Nainital, pp. 215-236
5. P. K. Samal, D. S. Rawat, N. A. Farooquee, R. Pant, P. Pant, Y. S. Topal, **G. S. Satyal** and D.S. Parihar (1998) Tribal Development: Problems and Prospects, GBPIHED (eds) **Research**

for Mountain Development: Some initiatives and Accomplishments, Gyanodayaprakashan, pp 165-194.

6. K. Kumar and **G. S. Satyal** (1999) Chemistry of Drinking Water Resources in Almora District of Kumaun Himalaya, India; **proceedings of national conference on water quality management**, New Delhi pp. 10-27.
7. K. Kumar and **G. S. Satyal** (2000) Physical Accounting of Water: Micro Watershed Analysis: In Kadekodi, G. K., Murthy, K. S. R. and Kumar, K. (eds) **Water in Kumaon: Ecology, value and rights**, Gyanodaya Prakashan, Nainital, pp. 127-153.

National Journal

1. K. Kumar and **G. S. Satyal** (1999) Cost analysis of losses caused by the Malpa landslide in Kumaun Himalaya; A basic framework for risk assessment, **Current Science**, Vol. 77 (8) pp. 1023-1028.
2. **G. S. Satyal,** K. Kumar and D. S. Rawat (1999) Sustainable use of natural resource: Case study of a tribal village in the Central Himalaya, India, **Journal of Geographical review of India**, Calcutta, Vol. 61 (2), pp. 183-195.
3. G. S. Negi, K. Kumar, V. Joshi, Y. S. Panda and **G. S. Satyal** (2001) Water yield and water quality of some aquifers in the Himalaya, **International Journal of Ecology and Environmental Sciences**, New Delhi, Vol. 27 (1), pp. 55-59.
4. Kireet Kumar, **G. S. Satyal** and K. D. Kandpal (2006) Farmer and state managed hill irrigation systems in Kumoun Himalayas, **Indian Journal of traditional Knowledge**, Vol. 5 (1), pp. 132-138.
5. Pant M. C**.**, Kumar K., Pant Durgesh and **Satyal G. S.** (2006): Neural Networks Sequence For Surface Interpolation Using GPS Data, International Conference on Information Systems Technology and Management, Gaziyabad, India, Ed. Anurag Agrawal, Kamana Malik, D. P. Goyal and Sartaj Sahni.
6. Pant M. C., Kumar K., Pant Durgesh and **Satyal G. S.** (2006): N*eural Networks Sequence For Surface Interpolation Using GPS Data*, Acceped in ICISTM 2007, Gaziyabad, India.
7. Kireet Kumar, Rakesh K. Dumka, M. S. Miral, **G. S. Satyal** and M. Pant(2008) Estimation of retreat rate of Gangotri glacier using rapid static and kinematic GPS surveyCURRENT SCIENCE, VOL. 94, NO. 2, 25 pp 258-262.
8. Ritika Vishnoi, **Gokul Singh Satyal**and Pankaj Kumar Bhatt (2023)High Intensity Rainfall Incidences and Annual Variability of Rainfall in the Ramgad Catchment of Kumaun Himalaya, IJRAR,(www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138))Volume 10 (2), pp. 443-449.

9. Ritika Vishnoi, **Gokul Singh Satyal** and Pankaj Kumar Bhatt (2023)Trend Analysis of Rainfall over the Ramgad Catchment of Kumaun Himalaya 2023 JETIR (www.jetir.org (ISSN-2349-5162), Volume 10 (4), pp 173-183
10. Gokul Singh Satyal(2025) Land use and land cover change in Uttarakhand: study of the Himalayas, International Journal of Geography, Geology and Environment 2025; (P-ISSN: 2706-7483 E-ISSN: 2706-7491) 7(9): 112-115
11. **Gokul Singh Satyal** (2026) Sustainable use of natural resources of Kumaun Himalaya: A case study,International Journal of Arts, Humanities and Social Studies 2026;(ISSN Print: 2664-8652 ISSN Online: 2664-8660) 8(6): 184-187

International Journal

1. J. Paul, R. Burgmann, V. K. Gaur, R. Bilham, K. M. Larson, M. B. Ananda, S. Jade, M. Mukal, T. S. Anupama, **G.Satyal,** and D. Kumar, (2001) The motion and active deformation of India**, Geophysical Research Letter**, Vol. 28 (4), pp. 647-650.
2. **G. S. Satyal**, S. S. Samant and K. Kumar (2002) Indigenous knowledge and conservation of medicinal plants used by the Bhotia tribes in Kumaun Himalaya, India, **International Journal of Sustainable Development and World Ecology**, Vol. 9, pp. 159-166.
3. Kireet Kumar, Deep Pant, Y. S. Panda and **G. S. Satyal** (2002) Runoff and Soil Loss from Steep Slopes Treated with Low Cost Bioengineering Measures, **The Environmentalist**, Vol. 22, pp.133-141.
4. Merz J., Dangol P. M., Dhakal M. P., Dongol B. S., Geo F., Jehangir M., Joshi B. K., Ma X., Nakarmi G., Merz B. P., Salam A., **Satyal G.S.**Shresthe S., Varma P. K., Weingartner R. and Zokaib S. (2005) Water related key issues in meso-scale catchments of the Hindu Kish-Himalayas, International Centre for Integrated Mountain development (ICIMOD), Nepal.
5. **G. S. Satyal,** Kireet Kumar and K. D. Kandpal (2006) Traditional practices of water scheduling in farmer-managed irrigation system in Central Himalaya, India, **Outlook on Agriculture,** Vol., 55 (4) pp. 273-280.
6. Pant M. C., Kumar K., Pant Durgesh and **Satyal G. S.** (2006): Sequence of Neural Networks for Surface Interpolation Using GPS Data: A Case Study of Steep Hill Slopes, Accepted in ITNG 2007, Nevada, USA.
7. Kumar K., Pant M. C., **Satyal G. S** and Dumka R. K. (2007): Comparison of Digital Surface Modelling Techniques for Sloping Hill Terrain Using GPS Data, accepted in Journal ofModelling and Simulation, ACTA press CANADA.
8. Rakesh K. Dumka, Bahadur S. Kotlia, Kireet Kumar, **Gokul S. Satyal**, Lalit M. Joshi (2014) Crustal deformation revealed by GPS in Kumaun Himalaya, India. Journal of Mountain Science 11(1). DOI: 10.1007/s11629-012-2552-x

9. Rakwsh K.Dumka, Bahadur S. Kotia, Kireet Kumar, **Gokul S Satyal** (2014) Quantification of crustal strain rate in Kumaun Himalaya (India) using GPS measurements of crustal deformationHimalayan Geology, V ol. 35 (2), pp. 146-155,

News letter/Annual Report

1. J. Paul, V. K. Gaur, M. B. Ananda, Sridevi Jade, M. Mukul, T. S. Anupama, **G. S. Satyal** and Dileep Kumar (2000-2001) Crustal Deformation Studies using GPS for Understanding the Motion and Active Deformations of the Indian Plate, **Annual Report**, C-MMACS, Bangalore, pp. 16.
2. M. Mukul, A. P. Krishna, M. B. Ananda, P. Dileep Kumar, V. K. Gaur and **G.S. Satyal** (2000-2001) Deformation in the Darjiling-Sikkim Himalayas Using GPS, **Annual Report**, C-MMACS, Bangalore, pp. 17.
3. **G. S. Satyal,** M. Mukul, M. B. Ananda, G. Joshi, Sridevi Jade and V. K. Gaur (2002-2003), Active tectonics in the Higher and Tethys Himalayas of Kumaon Region, Uttaranchal, **Annual Report**, C-MMACS, Bangalore, pp.26.

Book:

1. Kireet Kumar, D. S. Rawat, G. C. S. Negi, D. K. Agrawal, P. K. Samal, Varun Joshi, **G. S. Satyal** and L. M. S. Palni (2000) Village Environment Action Plan (VEAP), Gynodaya Prakashan, Nainital, p. 85

Training Course:

1. **Geographic Information System (GIS)** and **Global Positioning System (GPS)** application in Natural Resource Management and Environment Monitoring. Sponsored by G. B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora **(INDIA)** in collaboration with International Centre for Integrated Mountain Development, Jawalahel, Kathmandu **(NEPAL)**, from 6 to 25 November 1995.
2. **Third Training Course in Glaciology** sponsored by Department of Science and Technology and organised by Geological Survey of India, Lucknow, from July 19 to August 11, 1996.
3. **Hydrological Instrumentation, Data Collection, Storage and Processing**organised by National Institute of Hydrology, Roorkee, from 6 to 8 August 1997.
4. **Global Positioning System (GPS)Data Analysis Course** Application in Tectonic Movement, landslide Zonation and Environmental Monitoring. Sponsored by Department of Science and Technology and organised by **CSIR** Centre for Mathematical Modelling and Computer Simulation **(C-MMACS)** of India, Bangalore from August 17 to 26, 1998.

5. **Global Positioning System (GPS)** Data Analysis Course organised by **CSIR** Centre for Mathematical Modelling and Computer Simulation **(C-MMACS)** of India, Bangalore from February 08-18, 1999.
6. Intensive Training Programme on **Global Positioning System (GPS) Theory, Data Analysis and Processing**, Application in Tectonic Movement, landslide Zonation and Environmental Monitoring. Sponsored by Department of Science and Technology and organised by **CSIR** Centre for Mathematical Modelling and Computer Simulation **(C-MMACS)** of India, Bangalore from January 21 to February 01, 2002.
7. **Use of Global Positioning System (GPS)Data Analysis and processing Course** application in Tectonic Movement, landslide Zonation and Environmental Monitoring. Sponsored by Department of Science and Technology and organised by **CSIR** Centre for Mathematical Modelling and computer simulation **(C-MMACS)** of India, Bangalore from March, 24 to April 04, 2003.
8. 2nd Comprehensive Course on Disaster Risk Management from 18-29 August, 2025 organized by National Institute of Disaster Management (NIDM), New Dehli

Membership:

1. Life member of the People's Association of Himalayan Area Research **(PAHAR),** Nainital, Uttarakhand, India.
2. Life member of the People's Association for Rural Advancement and Sanitation **(PARAS)**, Nainital, Uttarakhand, India

Orientation/ Refresher/ Short Team Course

1. UGC-Sponsored Orientation Programme, HRDC, Kumaun University, Nainital, 04.07.2016 to 01.08.2016
2. UGC-Sponsored Refresher Course in the Subject Ethics, Spirituality and Yoga (IDC), Kumaun University, Nainital, 10.03.2018 to 30.03.2018
3. UGC-Sponsored Refresher Course in the Subject Disaster Management (IDC), Kumaun University, Nainital, 21.02.2019 to 14.03.2019
4. UGC-Sponsored Short Term Course in the Subject Climate Change, Kumaun University, Nainital, 29.08.2019 to 04.09.2019
5. UGC-Sponsored Short Term Course in the Subject ICT Enabled Learning, Kumaun University, Nainital,07.08.2020 to 14.08.2020
6. Ministry of Education (UGC) Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching online Interdisciplinary Two-Week Refresher Course in Managing

online Classes & Co-Creating MOOCS 20.0, Teaching learning Centre, Ramanujan College, University of Dehli, 07.11.2022 to 21.11.2022.

7. UGC-Sponsored Short Term Course in the Subject Disaster Management UGC Malaviya Mission Teacher Training Centre, (MMTC) Lucknow University, 16.12.2024 to 22.12.2024.
8. UGC-Malaviya Mission Teacher Training Centre, (MMTC), Aligarh Muslim University originated 10 days Course on NEP (2020) Orientation and Sensitization Programme,05.05.2025 to 14.05.2025.

I hereby declare that information given above is true and complete to the best of my knowledge and belief.

Date: (Gokul Singh Satyal)

Place: