

Kumaun University, Nainital
Curriculum Vitae

Name : **Dr. P.C. CHANYAL**
Qualification : MA, Ph.D, UGC-NET, B.Ed., D.P.Ed.
Designation : A. Professor
Department : Geography
Contact Information
• Email Address : chanyalpc.geogkuntl@gmail.com
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Vidwan ID : 512842

Educational Qualification

Degree	University	Subjects	Year
BA	KU Nainital	Geography, Economics, Sociology	1999
DPEd	UP Board	Physical Education	2002
MA	KU Nainital	Geography	2003
UGC-NET	UGC	Geography	2005
B.Ed.	KU Nainital	Arts	2005
PhD	KU Nainital	Geography	2019

Work Experience (add row if required)

Position	Department	University/Organization	Year
Assistant Professor	Geography	KU Nainital	13

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Campus Ambassador	Systematic Voter Education & Electoral Board, Uttarakhand Govt.	KU Nainital	10
Asstt. Warden	Boy Hostel	KU Nainital	8
Warden	Boy Hostel	KU Nainital	3
Assistant D.S.W.	DSW Board	KU Nainital	9
Assistant Proctor	Proctor Board	KU Nainital	8

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

- 1. Remote Sensing and GIS Applications**
- 2. Himalayan Climate Change Study and Natural Resources Management**
- 3. Himalayan Environmental Study**

Publications (start from recent publications)

a) Research Papers (add row if required)

Authors name	Title of the paper	Vol, page no	Year
Kailash, Chanyal, P.C. , DS Parihar, Babita Negi	पौड़ी गढ़वाल जनपद (गढ़वाल मण्डल) के विकासखण्ड जयहरीखाल में ग्रामीण जनसंख्या	ISSN: 2277-7881 VOLUME: 12, issue: 5(4), pp. 72-90	2023

	हास एवं वाह्य प्रवास पर एक भौगोलिक अध्ययन।		
Kailash Chandra, Chanyal, P.C. , DS Parihar, Pushkar Singh	हिमालयी राज्य उत्तराखण्ड के पौड़ी गढ़वाल जनपद में ग्रामीण जनसंख्या हास का अध्ययन।	Vol.-6, Issue-2, pp. 521-532	2023
Chanyal, P.C. & Kumar Raj	Estimation and analysis of Aerosol Optical Depth (AOD) over the Nainital Town, Kumaun Himalaya using AERONET data	Bulletin of Environment, Pharmacology and Life Sciences, E-ISSN-2277-1808, Vol. 12 (3) February pp. 1-6.	2023
Chanyal, P.C.	Applications of RS And GIS for Characterization and Soil Loss Assessment of Tons Watershed in Dehradun District, Garhwal Himalaya	The Deccan Geographer, Volume 60 Number 3 December 2022 pp. 1-15	2022
Chanyal, P.C. & Chamoli, Saurbh,	Analysis of Spatial Distribution And Cropping Pattern Of Fruit Crops In Kumaun Himalaya	Vol. 10 (7), E-ISSN-2277-1808, pp. 69-81	2021
Chanyal, P.C. & Kohli Pooja	Impact of Ecophysiology on Productivity of Fruit Crops in Kumaun Himalaya, Uttarakhand, India	E-ISSN-2277-1808, Vol. 10 (6) pp-181-196.	2021
Chanyal, P.C.	Morphometric Analysis of Naini Lake Basin, Kumaun Himalaya: An Application of RS & GIS	Journal of Indian Water Works Association, Vol. LIII, No.2, 2021 (Online and Print), ISSN 0970-275X.	2021
Chanyal, P.C. & Manoj Najir	"Effect of rhizome portions and growing media on establishment of plants and shoot production in alstroemeria (Alstroemeria Aurea) Peruvian Lily"	Corn the journal of floriculture research, ISSN-2321-9068, Page 41-45, Vol.-2(8), July-Dec-2020	2020
Chanyal, P.C. , SD Maindoli, Pragya Singh, Nutan, Mamta Pant and P.K. Gupta	Assessment of water quality of some fresh water mountain springs in Naini Lake basin of Kumaun Himalaya	Volume 3; Issue 2; March 2018; Page No. 707-712	2018
Chanyal, P.C. and Sagar Prem	Land Resource Management- a nectar of human life to infinite of suyal catchment in lesser	Vol.54, N.-02 2016, Page 81-92.	2016

	<i>Himalaya,</i>		
Chanyal, P.C. and Sagar Prem	<i>Stewardship of Liquid Treasure of 'Suyal' Catchment in Lesser Himalaya</i>	The Rohilkhand Geographical Journal of India Vol. XX, July, Page 61- 70	2016
Chanyal, P.C. & D.C. Pandey	<i>Abolition for agrarian of hilly regions by soil superintendence and fertility management on horticultural cultivation in Kumaun Himalaya, Uttarakhand</i>	Vol. 02, 2394-823X, Page: 191-194	2016

b) Patents (start from recent publications) **(add row if required) : NA**

c) **Books (start from recent publications) (add row if required)**

Authors name	Title of the book	Publisher	ISBN	Year
Sanjay Swami, Wajid Hasan, P.C. CHANYAL, Harikesh Singh, Huma Naz	Climate Change and its impact on Agriculture	Biotech Books, New Delhi	978-81- 7622-473-4	2021
Wajid Hasan, Sanjay Swami, Harikesh Singh, P.C. CHANYAL, Ajit Kumar Paswan	Organic Farming	Gene-Tech Books	978-81- 89729-53-0	2021
Wajid Hasan, Huma Naz, P.C. CHANYAL, Harikesh Singh	Climate Smart Agriculture	Biotech Books, New Delhi	978-81- 7622-474-1	2021
Wajid Hasan, Arun Kumar, Altaf Kuntoji, P.C. CHANYAL, Akhlaq Husain	Current Scenario in Agricultural and Allied Sciences	Empyreal Publishing House	978-93- 93810-42-7	2023

d) Book chapters (start from recent publications) **(add row if required)**

Authors name	Title of the book	Publisher	ISBN	Year
P.C. CHANYAL	Gandhian Philosophy of Education, and its relevance	Mallika Books. New Delhi	NA	2011

e) Conference Publications/Proceedings (start from recent publications) **(add row if required)**

Authors name	Title of the paper	Conference name	Year
P.C. CHANYAL	Global Market: Issues & Challenges of Horticultural Crops in Kumaun Himalaya	Globalization, Market and Consumer Rights Issues and Challenges	2016
P.C. CHANYAL	Indigenous Prescriptions: Sole	International Geographical Congress	2016

	Troubleshooter for Himalayan Creatures	(IGC)-IGU, (Accepted), Beijing, China	
P.C. CHANYAL	Climate change and its impact on the Fruit Crops in Kumaun Himalaya,	Environmental Governance and Sustainable Development in 21st Century India: Challenges for the Mountain Regions in the Anthropocene	2017

f) **Workshop Organised:**

Sl. No.	Theme/Subject	Date
1.	The Application of Remote Sensing and GIS in Earth Sciences and Natural Resource Management"	14 June 2019

g) **Guest Lecture Delivered (As Resource Person):**

Sl. No.	Theme/Subject	Institute	Date
1	Geography of Uttarakhand: Introduction	Dr. Rghunandan Singh Tolia Uttarakhand Acedemy of Administration Uttarakhand Government, Nainital	21 August 2019
2	Natural Resources & Development Issues of Uttarakhand Climate Change & Its Impact	Dr. Rghunandan Singh Tolia Uttarakhand Acedemy of Administration Uttarakhand Government, Nainital	21 August 2019

h) **Organized an International Conference as Organising Secretary:**

Sl. No.	International Conference Theme	Date/Year
1	"Global perspective in Agricultural and Applied Sciences for Food and Environmental Security" (GAAFES-2019)	1-2 December 2019

Projects (add row if required)

Title of the project	Funding agency	Amount (Rs) in Lakh	Year
Creation a Geo Data-Base Management System of the Nainital Town, Uttarakhand	DST-SERB (Govt. of India)	45.90	2023

Teaching details (add row if required)

Name of the course/paper	Department	University	Years
BA 1 st Sem.	Geography	KU Nainital	13
BA 2 nd Sem.	Geography	KU Nainital	13
BA 3 rd Sem.	Geography	KU Nainital	13
BA 4 th Sem.	Geography	KU Nainital	13

BA 5 th Sem.	Geography	KU Nainital	13
BA 6 th Sem.	Geography	KU Nainital	13
M.A./M.Sc. 1 st Sem.	Geography	KU Nainital	13
M.A./M.Sc. 2 nd Sem.	Geography	KU Nainital	13
M.A./M.Sc. 3 rd Sem.	Geography	KU Nainital	13
M.A./M.Sc. 4 th Sem.	Geography	KU Nainital	13
Pre Ph.D.	Geography	KU Nainital	13

Professional Memberships (add row if required)

Organization	Position	Years
IIRS-ISRO	Course Coordinator	7
Indian Society of Remote Sensing	Life Member	6
Rohilkhand Geographical Journal of India	Life Member	7
STM Journals (International)	Reviewer	2

Honours and Awards (add row if required)

Honours and Award	Awarding Organization	Year
Distinguished Scientist Award	International Conference- AETDS, Nepal	2022
Fellow of NGT	National Gladiolus Trust	2019

Certificate awarded in Professional Training and Capacity Development Programmes:

Award Certificate Course	Awarding Organization	Year
Sponsored: Digital Image Processing on Remote Sensing & GIS	IIRS-ISRO Govt. of India	2019
NNRMS Course on Remote Sensing & GIS in Soil and Land Use Planning	IIRS-ISRO Govt. of India	2016

Faculty Development Program:

Course and Theme Name	Awarding Organization	Year
Environmental Studies	HRDC KU Nainital	2019
Orientation Program in Environmental & Climate Change	HRDC KU Nainital	2016
Advanced Techniques of Bathymetry Survey	Central Water & Power Research Station, Pune	2022
Geo-informatics and RS-GIS	Geo-informatics institute, NOIDA	2021
Environmental Studies	University of Mumbai	2024

Conference Presentations (add row if required)

Title of presentation	Conference name	Name of the institution	Year
Estimation of Environmental crimes and Climate Change Impacts on Flora and Fauna in Kumaun Himalaya	Global efforts on Agriculture, Forestry, Environment and Food Security (Climate Change and Its Impacts)	Institute of Forestry, Tribhuvan University, Pokhra Campus Pokhra, Nepal	2022

A Change Detection Analysis of Milam Glacier in Kumaun Himalaya: An Application of Geospatial Technology	XVI International Geography Online Conference	The Deccan Geographical Society of India, Patna	2021
Doubling the farmers income through organic farming in hilly areas of Uttarakhand,	Global Perspective in agriculture and applied sciences for food end environmental security	AETDS, Geography Department And NGT-J&K, 01-02 Dec 2019	2019
Environmental loss benefit analysis of Horticultural dynamics in Kumaun Himalaya, Uttarakhand Global Perspective in agriculture and applied sciences for food end environmental security	Global Perspective in agriculture and applied sciences for food end environmental security	AETDS, Geography Department And NGT-J&K, 01-02 Dec 2019	2019
Historical evidences climate features in Nainital town	Indian history: A regional Perspective National Seminar	History Department and UPSC Nainital	2019
Global Market issues and challenges of Horticultural crops in Kumaun Himalaya,	National Seminar on Globalization, Market and consumer rights issue and challenges	Centre for consumer studies Indian institute of public administration, New Delhi	2016
"Abolishment of agrarians threats by Sustainability of fertility in soil on horticultural cultivation in Kumaun Himalaya"	National Seminar on Sustainable Development in Indian Himalayan Region: Prospects & Challenges	ICCR,USER & HERDS, Nainital Organized by : Commerce Dept., D.S.B. Campus- 2016	2016

Computer & Software Skills:

- **Remote Sensing & GIS Software**
- **Satellite Digital Image Interpretation and Computation**
- Document Preparation Systems- Latex and MS Office
- Operating Systems- Windows and Linux (Ubuntu)
- Geospatial Technologies (**GPS, TS, Spectrometer, & DPGS Handling etc.**)
- Programing Language: **Python and Graphical RS Python**
- Machine Learning and AI tools



Dr. (P.C. Chanyal)

Assistant Professor
Department of Geography
Kumaun University Nainital
&

Course Coordinator
Outreach Program

IIRS-ISRO
Govt. of India