



---

# THE NANDA DEVI SANCTUARY EXPEDITION 2001

---

PLANS AND PROPOSAL

---



## **Sponsored by**

The Indian Mountaineering Foundation,  
Benito Juarez Road,  
New Delhi 110 021.  
Phone : (91-11) 4671211-467 7935  
Fax : (91-11) 688 3412  
E-Mail : [indmount@vsnl.com](mailto:indmount@vsnl.com)  
Internet : <http://www.indmount.com>



## THE NANDA DEVI SANCTUARY-2001

*An Expedition by the Indian Mountaineering Foundation*

The Indian Mountaineering Foundation has decided to send a multidisciplinary expedition to Nanda Devi Sanctuary in May-June 2001. The expedition will consist of 4 trekkers & mountaineers and 4 scientists. They will trek into the inner Sanctuary and visit both the south as well as the north Sanctuary. Various aspects of the Sanctuary, which is closed for almost for 20 years now will be studied. The expedition on return will compose a detailed report on the various studies they have made and will send recommendation through IMF regarding the methods of opening the Sanctuary, if at all, and the status of various natural resources of the Sanctuary. The following points could be studied specifically:-

(a) Few areas of exploration and the valleys which have not been visited for 2-3 decades will be entered. A group of mountaineers would reach high points in the valley and try to reach passes like Sunderdhunga Khal,, Bagini Khal and some others. All the five glaciers within the Sanctuary will be visited to aid scientific exploration. **No climbing of any peak is proposed.**

(b) Among the Scientists the following fields with the specialities will be covered:-

- (i) A Wild Life Expert would look at the current state of large mammals, ibexes and other species.
- (ii) An Expert on Birds will study the status of Birds en route and in the Sanctuary.
- (iii) A Glaciologist will measure the depth, out flow and current locations of the various glaciers in the Sanctuary. He will try to study the effect of the global warming on the glaciers and why the glaciers are decreasing rapidly, if at all.
- (iv) A General Environmentalist would look at the over view of the Sanctuary and study of the environment, particularly the grasslands and the other features of the natural importance of the Sanctuary. He may carry out certain special studies on the weather pattern in the Sanctuary.

These scientists are already working on their subjects and gathering information. They would gather the presently available data, study the past expeditions reports and form them into a table. These could be compared with the data they would gather from the present expedition. This would allow a final study with regards the following:-

- (a) Whether any further destruction have taken place since closure of the Sanctuary.
- (b) Whether the total closer has been beneficial to the growth of natural resources.
- (c) Whether the closer has been total or there has been several encroachments.
- (d) Whether the Sanctuary fragile environment is now strong enough to allow some trekking and climbing activity.
- (e) **Based on the above survey a comprehensive Management Plan will be submitted to the IMF and the Uttarnchal Government for consideration.**

There recommendations regarding preservation and the use of the natural resources of the Sanctuary and to achieve the above aims, representatives team has been selected as under:-

- (i) Harish Kapadia-Age 55. A mountaineer from Bombay. He has been climbing for last 40 years and has experience of visiting the Sanctuary 3 times. He has written several books and would be leading the study team and the mountaineering team. He is also an Editor of the *Himalayan Journal* published by the Himalayan Club, Bombay.
- (ii) Shri Suman Dubey-Age 58. A well known journalist from New Delhi, who also lives in Kausani, Uttaranchal State. He has attempted Nanda Devi peak in 1961 and had climbed high on the mountain. He has been regularly trekking and climbing since then. He has written several papers on the aspects of the mountaineering and is current editor of the *Indian Mountaineer* which is a main publication of the Indian Mountaineering Foundation. He will be preparing and editing the report of the expedition to prepare the final suggestions.
- (iii) Shri Rupin Dang: Age 30 years. He is an expert on flowers of the Himalaya having published books on the subject. Moreover he is an expert photographer and film maker. He will submit a detailed record of photography and a film on completion of the project.
- (iv) Shri Sarfaraz Ahmad-Age 28: Shri Ahmad is research scholar who has done his Ph. D. in Glaciology. He has published several papers in collaboration with Dr Syed Hasnain. He has also visited the Dhaulti Ganga basin near the Nanda Devi Sanctuary and has made detailed study of water resources of this particular area.
- (v) Shri Motup Chewang Goba-Age 32. A Ladakhi who lives in Delhi and is an active organiser of expeditions. He will look after the organising aspects of the expedition. He has climbed several peaks, like one on the Siachen Glacier. He was the leader of the IMF expedition which successfully climbed peak Gya in 1998.
- (vi) Shri Anand Pendharkar (29 years) has been working in the field of environment studies for a long time. He has made studies about mammals, birds and other bio-diversity of several areas including places surrounding the Nanda Devi Sanctuary. He has published several papers. He is working a for website company.
- (vii) Wing Commander Sharma is the Chief medical officer of IAF in Mumbai. He will look after the medical needs of the expedition.
- (viii) Shri Vinit Pangtey is a Joint Secretary and Staff officer to the Principal Secretary, Forest and Rural Development Board, Government of Uttaranchal. The Government of Uttaranchal has deputed him to join the expedition to discuss and study the forest management plans while on the expedition. He will be accompanied by 2 forest guards.

**Time Frame:** Expedition will start from Delhi on (about) 28<sup>th</sup> May 2001 and will return by 12<sup>th</sup> July 2001.

**Route:** From Delhi the team will travel from Delhi to Haridwar-Joshimath in Lata Village. From here the historic fragile to the Nanda Devi inner Sanctuary will be followed via Lata Kharak, Dharanshi pass, Dibruggheta, Deodi, Ramani, Patal Khan and the base camp at Sarso Patal. At this camp about 4 weeks will be spent to study various aspects of the sanctuary.. The team will return by the same route.

**Cost:** The cost on the expedition for travel, food, portorage and equipment would be born by the Indian Mountaineering Foundation.

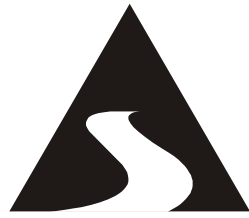


## **MAKING OF FILM ON NANDA DEVI SANCTUARY**

There is a proposal from Rupin Dang, Director, Wilderness Films India Ltd. Delhi (a member of the team) regarding making of a film on the IMF expedition to Nanda Devi Sanctuary. The film will be entirely at his cost and efforts including editing. He is an experienced film maker. He has made several films.

The film will consist of mountaineering history of the Sanctuary exploration, environment and all other aspects. We are trying to reach arrangements about full terms of making this movie and sharing it. The Movie will be made at no cost to IMF except that Mr Dang would be a part of the team and facilities to him will be provided like expenses of the trip and one special porter. Movie in the titles will specifically mention that it is made with the collaboration with IMF. This will be mentioned on all copies whenever film is displayed.

Two copies of the movies in VHS and BETA would be given to IMF free of cost for their use and they will be free to show this at any gathering and they would present a copy to Uttaranchal Government. Uttaranchal Government will also be free to display this film as they like.



**Participating Institutes**

1. The Indian Mountaineering Foundation,  
Benito Juarez Road, New Delhi 110021
2. Wildlife Institute, Dehra Dun
3. Bombay Natural History Society, Mumbai.
4. Jawaharlal Nehru University, New Delhi
5. The Himalayan Club

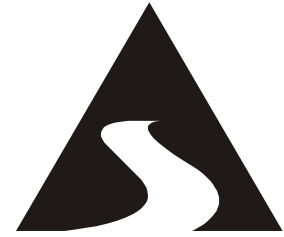
***With support from:***

Government of Uttarakhand

Ministry of Environment and Forests. Government of India.

Mr Gurdayal Singh

Mr Nalni D. Jayal



## SCHEDULE OF THE EXPEDITION

<b>Date</b>	<b>Place</b>
27 <sup>th</sup> , 28 <sup>th</sup> , 29 <sup>th</sup> May 2001	Team gathers in New Delhi at IMF HQ
Any of the above three days	Flag-off: by Chief Minister Uttaranchal Government and President of the IMF (either in New Delhi or in Rishikesh)
29 <sup>th</sup> May	Dep. For Joshimath
30 <sup>th</sup> May	Arr. Joshimath-Auli
31 <sup>st</sup> May, 1-2 June	Acclimatisation, training and final arrangements
3 <sup>rd</sup> June 2001	TREK BEGINS: Lata to Forest Post
4 <sup>th</sup>	Lata Kharak
5 <sup>th</sup>	Cross Dharanshi Pass and Camp at Dharanshi
6 <sup>th</sup>	Cross Malathuni Pass and camp at Dibruggheta
7 <sup>th</sup>	Upper Deodi
8 <sup>th</sup>	Ramani
9 <sup>th</sup>	Bhujgara
10 <sup>th</sup>	Patal Khan
11 <sup>th</sup>	Sarso Patal
12 <sup>th</sup> to 19 <sup>th</sup>	Studies in the Southern Sanctuary
20 <sup>th</sup> to 30 <sup>th</sup> June- 3 <sup>rd</sup> July	Studies in the Northern Sanctuary
4 <sup>th</sup> July to 10 <sup>th</sup> July	Return by same route to Lata and Joshimath
11-12 <sup>th</sup> July 2001	Travel to Delhi and end of the expedition.

**ADDRESSES OF MEMBERS**

1	2	3	4	5	6
Shri NN Vohra, President IMF, Dubey, Suman Dr M N Sharma Mr Motup Chewang Dr. Sarfaraz Ahmad	India International Centre, Chief Representative in India Senior Medical Officer, Air Force Station RIMO EXPEDITIONS School of Environmental Sciences	Maxmuller Road, Lodi Estate Dow Jones & Co. Inc. Kolshet, THANE 400 607 B-5/6, # 4320, VASANT KUNJ Jawaharlal Nehru University	New Delhi 110 003 PO Box 1361, Lodi Road HPO Phones; 534 2209/11 - ext 204 -224 NEW DELHI - 110 070 New Delhi -110 067	New Delhi	110 003
Mr Rupin Dang, Col. Ravinder Nath,	1 Factory Road, Director,	Ring Road South, The Indian Mountaineering Foundation,	New Delhi 110 029 Benito Juarez Road	New Delhi	110021



**Name** : **HARISH KAPADIA**  
**Address** : 72, Vijay Apartments, 16, Carmichael Road, Bombay 400 026  
**Telephone No.** : ( 022 ) (R) 495 0772 (O) 201 3227  
**Fax** : ( 022 ) 496 8804  
**E Mail** : harikaps@vsnl.com  
**Date Of Birth** : 11<sup>th</sup> July, 1945 born at Bombay  
**Education** : B. Com. (A/C),B.Com.(B/M),L.L.B.  
**Father** : Bhagwandas  
**Wife** : Geeta  
**Children** : Sonam and Nawang  
**Occupation** : Retired Businessman ( Cloth Merchant ). Now author and trekker  
**Nationality** : Indian

### ***A. Mountaineering Experience***

1. Training: basic and Advance Courses. (2)

2. Expeditions since 1962 onwards (32)

Total: Peaks climbed: 33, ( \* First Ascents 21.) Joint International Expeditions (6)

3. Trekking In The Himalaya (29)

Exploratory treks to different regions of the Himalaya since 1963. Two long visits to Tibet including Kailash and Manasarovar.

4. Other Trekking And Climbing

About 1000 ascents in the Western Ghats ( the Sahyadris ) in 40years.  
26 seasons of climbing at Pachmarhi ( Central India ).

### **B. Memberships**

Honorary member of **The Alpine Club**, London.

Member of the Committee **The Himalayan Club**, Bombay.

Vice President of **The Indian Mountaineering Foundation**, New Delhi. (1997-1999).

Currently Member of the Governing Council.

Chairman **The Mountaineers**, Bombay.

Member of **The Nehru Institute of Mountaineering**, Uttarkashi.



Member of **The Himalayan Mountaineering Institute**, Darjeeling.

### **C. Writing Experience :**

Honorary Editor of **The Himalayan Journal** (1979-1985 & 1990 onwards)

Honorary Assistant Editor of **The Himalayan Journal** ( 1986-1989 ).

Editor : **The Himalayan Club Newsletter**, 1978 onwards.

Editor : **The Sahyadri Bulletin**.

### **D. Published following 13 books**

1. **Trek the Sahyadris**. The first guide to trekking and climbing in the Western Ghats. First published 1977, Second edition 1979, Third edition 1987, Fourth edition 1993.

2. **Exploring the Hidden Himalaya**. (with Soli Mehta)  
(Hodder and Stoughton, London, 1990 ). Second Edition 1998.

3. **High Himalaya Unknown Valleys**  
(Indus Publishing, New Delhi, 1993, Second Edition 1994, Third edition 1997, 4<sup>th</sup> edition 2001).

4. **Spiti Adventures in the Trans-Himalaya**  
(Indus Publishing, New Delhi, 1996, second edition 1999).

5. **Meeting The Mountains**  
(Indus Publishing, New Delhi, 1998).

6. **Across Peaks and Passes in : Kumaun Himalaya, Garhwal Himalaya, Himachal Pradesh, Ladakh and Sikkim** :Series of five books. (Indus Publishing, New Delhi, 1999).

7. **A Passage to Himalaya** (Editor) (Oxford University Press, Mumbai, 2001)

8. **Guide to Trekking and Climbing in the Indian Himalaya** (Globetrotters, London, 2001).

---

### **Awards :**

President's **Gold Medal** for mountaineering awarded by the Indian Mountaineering Foundation, in 1993.

---

**Lectures:** Visiting lecturer to many Himalayan groups at Bombay, New Delhi, and Bangalore. Lectured with slides at the **Buxton Conference** organised by the British Mountaineering Council, U.K (1993), **Indian Himalaya Symposium**, at Plys-y-Brenin, organised by the Alpine Club (1996), **French Alpine Club**, Paris, (1993 and 1996), the **Japanese Alpine Club** and the **Himalayan Association of Japan** at Tokyo. Talks delivered at Seoul and Taegue

( **Korea**), at Oslo and Stod ( **Norway** ).

---

**Suman Dubey**

Born 21<sup>st</sup> February 1943  
Married, with two children  
Indian citizen

**Education:** MA (Cambridge University, UK) in Economics

**Profession:** Journalist, currently Chief Representative, India, Dow Jones & Co. Inc. New York. Have been Editor, Indian Express, Managing Editor, India Today, Managing Editor, Insight magazine (Hong Kong), Associate Editor, The Asia Magazine (Singapore and Hong Kong), and also Media Advisor to Prime Minister Rajiv Gandhi.

**Other interests:** Music, Photography

**Address:** N-125 Panchsheel Park, New Delhi 110 017  
Contact: [sdubey@vsnl.com](mailto:sdubey@vsnl.com), Phone: 011-464-9097

**Climbing Experience:**

Early-1980s to the present, visited the mountains almost every year, on treks long and short, usually aiming to reach high passes or high lakes.

1961 Nanda Devi Expedition. Reached Camp II on Nanda Devi. 1<sup>st</sup> ascent of Devistan I, 2<sup>nd</sup> ascent of Maiktoli.

1962 Indian Everest Expedition, reached South Col in support of summit attempt.

1963 Climbed peak above 1<sup>st</sup> Thijawas glacier, Sonamarg

1963-1965 Several rock climbs in UK in the Lake District and north Wales.

1964 Climbed Mt. Blanc from the Brenva side, also climbed Dent du Geant and more than a dozen other Alpine summits near Chamonix, Arolla and Zermatt.

1965 Rock climbing in the Konigzpitze in the Bernese Oberland and climbed the Jungfrau and the Monch from the Guggi hut on their northern flanks.

1966. Led a St. Stephens College expedition to Garhwal which climbed Garuda, around 6,000 m, in the Bampa/Ghamsali area; found no record of an earlier ascent.

Reached to within 30 m of the summit of Reo Purgyol, first ascended by Marco Pallis in 1933, before turning back in a whiteout.

1967. Led a St. Stephen's College expedition to the Kalabaland glacier, which reached a 6,000 m summit at the head of the glacier. Climbed Shivu above Ralam village.

(1968, got married which put an end to my climbing career!)

**Positions:**

1993 to the present: Member Governing Council, Indian Mountaineering Foundation, Vice President, IMF for four years.

---



## **RUPIN DANG**

1 Factory Road, Ring Road South, New Delhi 110 029, India, Ph/Fax: 011 6191180; 619 8954, 619 8255 98 100 19704

Age; 28 years. (Date of Birth; 28<sup>th</sup> April 1972)

### **EDUCATION**

- St. Paul's School, Darjeeling, 1978-1984
- The Doon School, Dehra dun, 1984
- The Army Public School, New Delhi, 1984-1990
- Dartmouth College, Hanover, New Hampshire, USA:  
    Liberal Arts BA in Filmmaking and Environmental Studies, 1990-1994

### **ECOLOGY**

- Discovered the Pere David's Macaque, a new species for India, in Arunachal Pradesh (1998).
- Prepared a study on the ecosystem imbalance caused by the large-scale removal of mountain herbs  
    from the Govind Pashu Vihar Sanctuary in Garhwal.
- Well-versed in the preparation of environmental impact assessment surveys and reports,  
relating to  
    disturbance to Himalayan wildlife habitats.
- Prepared extensive field notes and field checklists of the birdlife of different regions in India.
- Extensively studied the flora of Garhwal between 1985 and 1993, after which I published a  
    volume on Himalayan Flowers, through HarperCollins India.
- Extensive field work on Himalayan ungulates, including the Bharal, Goral, Thar, Serow and  
    Ibex.  
    Recent fieldwork on the habitat and habits of the Snow Leopard as well.
- Field survey and population dynamics studies of the pheasant populations of Garhwal,  
especially  
    the Monal, Chir, Kaleej and Koklass.
- Carried out fifteen years of fieldwork, in an effort to rediscover the Mountain Quail (1985-  
present).
- Carried out a campaign to encourage the cultivation of Himalayan herb plants, and set up a  
    governmental chain in the distribution of the same, in an effort to minimize impact on wild  
populations.
- Formal training in field ecology, botany, Himalayan fluvial geomorphology, ornithology and  
    population dynamics, at Dartmouth College, USA (1990-1995).

### **FILMMAKING**

- Listed in 1993, in the *Limca Book of Records* as India's youngest filmmaker

- Documentaries:

*The Birds of Sultanpur* (1989)  
*The Har-ki-dun Wilderness* (1991)  
*Devbhumi-The Himalayan Pilgrim's Progress* (1993)  
    *Gangotri-Yamunotri Paryavaran and Badri-Kedar Yatra*  
*Rock-Climbing around Delhi* (1989)  
*Rajasthan Tigerland* (1992)  
*Tryst with Kalanag* (1991)  
*Twenty Years of Project Tiger* (1994)  
*Heli-Skiing in the Himalaya* (2001)  
*Lochen Tulku of Spiti* (2001)  
*Nanda Devi Raj Jat Yatra* (2001)  
*A Shivalik Monsoon* (2001)

- Director of Wilderness Films India Ltd., a leading public limited broadcast and television services company based in New Delhi. WFIL features:

- The first and largest outdoor and Himalaya-based stock footage library in India
- One of the largest broadcast facility houses in India
- Currently compiling an exhaustive database on all aspects of the Himalaya, on a DVD,

incorporating Digital Betacam footage and professional slides from our quarter million-strong stock library, as well as extensive text compiled from field notes and research

- Taught film production at Dartmouth College, New Hampshire (1995)
- Anchored (including one episode compered on skis) several episodes of *Himalaya Watch* for Serbjeet International's show on Doordarshan's National Channel.
- Specialized in Helicopter-based filming, with 100+ hours of flying and filming, across the Himalaya.
- Currently filming the Indian Army Mount Everest Expedition 2001, as a documentary (March-June 2001). Also preparing a film on the wildlife of the Sagarmatha National Park.

## **PHOTOGRAPHY/CAMERAWORK**

- Cameraperson of *The Delhi Ridge and the Yamuna* and *Greening of the Aravallis*, 30-minute documentaries for the Ministry of Environment and Forests, Government of India.
- Author and photographer of *Flowers of the Western Himalaya*, authored by self, and published by Wilderness Films India Ltd. (1998).
- Presently compiling a Himalayan portfolio for publication as a 'coffee-table' volume on Arunachal Pradesh, and 'Himalayan Birds', to be published by Wilderness Films India Ltd.
- Contributed to 14 scientific books on wildlife.
- Over 20 slide shows and one-person exhibitions.
- Over 600 photographs published in newspapers and magazines worldwide.
- Producing a series called 'Wilderness India', three-minute wildlife fillers.
- Currently producing a documentary on Himalayan Heli-Skiing.

## **JOURNALISM**

- Author of *Flowers of the Western Himalaya*, a 170-page field guide published by Wilderness Films India Ltd. (1998).
- Presently authoring *Himalayan Birds*, for Wilderness Films India Ltd.
- Columnist on wildlife and environment with *The Times of India* (regular writer:200 articles published) and *The National Herald* (weekly column)('88-'90)
- Editorial Board Member of *Sanctuary Asia's 'Cub'* magazine (1987-1992)
- Contributor of full-length colour features to: *The India Magazine*, *Swagat*, *Namaste*, *Frontline*,

*Science Today, Science 2000, Upper India Motorist, Cub, Sanctuary-Asia and Hong Kong Times.*

## **AWARDS**

- Awarded The Duke of Edinburgh's Gold Award (1990)
- Awarded the *Reynold's Expedition Fund Grant* by the Rockefeller Foundation, to produce a documentary on the Indo-American Himalayan Expedition 1991.
- Awarded the *Peter D. Smith Initiative Award* by the Hopkins Center, for the production of a documentary entitled 'Rajasthan Tigerland.' (1992)
- Awarded a grant by the Mellon Foundation to conduct a study of "the ecosystem imbalance caused by the large-scale removal of mountain herbs from the Govind Pashu Vihar Sanctuary in Garhwal (1991)
- Awarded *Waterhouse Research Grant* and Mellon Foundation Grant to research "parameters involved in translocation of village communities at Ranthambhor National Park and Project Tiger Reserve, India." (Fall '92)
  
- Awarded a joint grant from the Andrew Mellon Foundation and the *Dougherty Fund* to write an in-depth analysis on "the effects of climate change of the monsoon system on the biota of Indian biomes" (Winter 1995)
- Awarded the *Young Achiever Award* by the Rotary Club of Delhi and the Ambassador of Switzerland in India (1996).

## **MOUNTAINEERING**

- Accompanied many mountaineering courses from the Nehru Institute of Mountaineering, Uttarkashi.
  - Climbed Hata I and II, Garhwal Himalaya (September 1987)
  - Member, ITBP Expedition to Mt. Swargarohini (20,600 feet), India (June 1990)
  - Climbed Mt. Banderpunch II (Kalanag: 20,956 feet), India (June 1991)
  - Led Indo-American University expedition with students from Dartmouth College, Harvard, Brown and MIT, to Hanuman Ganga Valley, UP (June 1995)
  - Climbed in the Gangotri region, including Rudragaira (19, 200 ft) Sept. 1997.
  - Prepared an Environmental Impact Assessment report on Himachal Heli-Skiing for the Government of India (Winter 1998)
  - Conducted several treks in the inner line border reaches of Arunachal Pradesh (1998-1999).
- 

**Trekking member and Organiser**



**Chewang Motup Goba**

RIMO EXPEDITIONS  
B-5/6, # 4320, VASANT KUNJ  
NEW DELHI - 110 070  
(o) 689 8734-689 8710  
(R) 689 3639  
M: 9810009291

E mail: rimo@vsnl.com  
Fax 011 689 8710

Date of birth: 28<sup>th</sup> December 1965  
Place of birth: Kyagar village, Nubra Valley, Ladakh (J&K)

Chewang Motup completed his schooling from the Tyndale Biscoe School in Srinagar, Kashmir where he got the opportunity to participate in various outdoor activities and nurture his fascination for mountains with numerous small climbs in the Kolahoi glacier – Harmukh east and north ( 16425ft), Kolohai( 17999ft), Tattakuti, Kotwal – all at the age of 8 – 15 yrs.

Chewang completed the Adventure, Basic and Advance Moutaineering Courses from NIM in Uttarkashi and passed all with “A” Grades.

Chewang’s enthusiasm for climbing made him guide climbs in his native place of Ladakh where he has been climbing since 1981 – the entire Stok range, Kangyatze. Chewang was also the first civilian to reach Indira col. In the Siachen glacier where he did a solo climb of a 6500m unnamed peak. This was with the 1986 Indo American Sia Kangri expedition.

In 1985, Chewang joined in with the Indian Army Everest Expedition and helped with the rescue on this tragic expedition.

Besides continuing his climbs in Ladakh , Chewang co led a Mt.Rainier, US team to the summit of Mt.McKinley in Alaska in 1993.

Besides his climbing interest, Chewang has trekked widely all over the Himalaya and the eastern Karakoram extending from Arunachal – Bhutan – Sikkim – Nepal – Garhwal – Ladakh and Zanskar. Chewang is also a rafting guide having participated in an International competition in the US. Doing all the above which he enjoys so much, Chewang runs an Adventure Company by the name of Rimo Expeditions continues to lead groups to trekking peaks in Nepal – Mera, Naya Kanga, Parcharmo, Island Peak.

1999: Led the successful IMF expedition to Gya where all members summited. 2<sup>nd</sup> Ascent and they verified the controversial first army ascent of 1998

Presently: Proprietor of Rimo Expeditions , an Adventure Travel company organising treks , expeditions, rafting, jeep safaries and cultural tours.

---

### ***Résumé***

<b>Name:</b>	Anand P. Pendharkar
<b>Date of Birth:</b>	July 24, 1971
<b>Permanent Address:</b>	68/4 Tarun Bharat Society, Chakala, Sahar Road, Andheri (East), Mumbai - 400 099.
<b>Telephone Nos.:</b>	91-22-836 8647 91-22-835 4373

**Mobile No.:** 98201 - 40254  
**E-mail Address:** [appcoral@hotmail.com](mailto:appcoral@hotmail.com)  
[anand@indbazaar.co.in](mailto:anand@indbazaar.co.in)  
[zans\\_kar@yahoo.co.uk](mailto:zans_kar@yahoo.co.uk)

### **Biography:**

Second child in a family of four, I took to adventure in school as a Boy Scout, followed by Nature studies and trekking through College Nature Club activities and a private club with which I was associated for over 6 years. Member of E&A and Himalayan Club for short periods of time, real adventure began with Master's in wildlife at WII and further with the 4-year teaching stint in the cradle of Indian Mountaineering, The Doon School. Sikkim, Sub-Himalayan West Bengal, Darjeeling, parts of Nepal, Uttar Pradesh (Uttaranchal now – including Garwhal and Kumaon), all districts of Himachal, except Pangi and parts of J&K and Ladakh, have been explored in great details during stays ranging from a few hours to over 3 weeks and even 6 months for my M.Sc Dissertation on Goral. The attraction of the Himalayas also saw the development of Photography and then a skill to sustain living in a city like Mumbai. Nature Watch – became more popular with the masses of Mumbai more so because of good and intriguing Photography. An all round approach towards nature has given him the capacity to do rapid assessments of biodiversity even in highly human populated or disturbed areas. His heart lies in training and communication, whether in print, film or verbose media...

### **Work Profile:**

#### **Since November 1999 – Assistant Editor and Content Head with [www.indbazaar.com](http://www.indbazaar.com)**

Content Head (since Nov. '99) of **TravelNow** – awarded the site of the day by **rediff.com** (April 22, 2000) and included in the top 50 Indian sites by **indiatimes.com**. Single-handedly started and managed the e-zine, which is hugely popular and provides fresh inputs to the site. Recently, I have developed the new festival's section (with a database of 450 Indian festivals, fairs and cultural events), which is a prime success for the site.

Along with travel, I was also the Head of **FamilyTime** (Nov. '99 to Feb. 2000), and was responsible in the co-ordination of another of Indbazaar's main channels, where-in I introduced Photo Galleries and strengthened sections like life-plus and spirituality, making them as content-rich as all the other sections of **FamilyTime**.

Other sections such as **NGOs**, **Helpline**, **Geofacts**, **ConsumerGuide**, **I-Care Cards** and **GreenZone** also come under my purview as Content Head for co-ordinating, planning and developing fresh content for these sections.

**Web-Directory** – Searched and edited the Web-directory for **Lycos (India)** and further on worked on the Taxonomy of directories for other clients of Indbazaar.

#### **Since October 1997 - Free-lance Journalist and Environmentalist**

- Contributing nature, features, travel, trekking and educational articles and relevant photographs leading dailies such as **The Times of India**, **Indian Express**, **Himachal Times**, **Dainik Jagran** and magazines such as **Sanctuary (Asia)**, **Femina**, **Sunday Observer** as well as in scientific journals and popular newsletters with the objective of creating awareness in the masses and to carve a niche for nature and environmental (issues) journalism in the national press.
- A columnist - '**Nature Watch**' for **Thane Plus** and **New Bombay Plus**, and a regular contributor to **Northeast Plus** and other supplements of **The Times of India Publications**.

#### **Since October 1998– EIA Consultant with *D. D. & Associates (Pune)***

- Submitted EIA report of Upper Tapi Pump Storage Project (UTPS-II), assessing the Biodiversity potential of the submergence and command areas. The EMP to be compiled and submitted to the MoEF and Irrigation Department.

**April 1998 till June 1998 - with the Sanctuary Magazine, Mumbai**

- As **Assistant Editor and Ecologist** co-ordinating editorial and layout of *Ecologist Asia* (Journal), *Sanctuary* (Magazine), *Sanctuary Features & Photo-Library*, as well as ecological campaigns like 'Save the Lakes Campaign'.

#### **February 1994 till January 1998 - at The Doon School, Dehra Dun**

- Established the **EVS Department** & deputed as **Assistant Master and Departmental In-charge of Environmental Sciences** for four academic years; Helped formulate the **Environmental Sciences (EVS) Syllabus** for ICSE Schools and for Classes VII & VIII of The Doon School;
- Set-up a **Natural History Museum** in the Deccan Centre for Ecology, The Doon School (September 1997);
- Taught **Environmental Sciences, Biology, Chemistry** and **Mathematics (ICSE Board)**;
- Established (in 1994) and independently handled a **Paper Recycling Unit**;
- Advisor of **The Doon School Nature Club (DOSNAC)**, 1994-98;
- **Master In-charge of Table Tennis** (1995-96) and **Photography** (1994-95).

#### **January 1996 - Wildlife Institute of India**

- **Research Assistant** in the Wolf Project at Velavadar National Park, Gujarat.

#### **August to November 1993 - Wildlife Institute of India**

- **Technical Assistant** for writing of Research Papers at the Wildlife Institute of India, Dehra Dun.

#### **ACADEMIC QUALIFICATIONS:**

- Completed M.Sc. in Wildlife Science (Saurashtra Univ.) from the Wildlife Institute of India in 1993, First Class. **Dissertation Project:** On habitat ecology of goral (*Nemorhaedus goral*) in Himachal Pradesh and Haryana, India;
- Completed B.Sc. in Zoology (Bombay Univ.) from Bhavan's College (Bharatiya Vidya Bhavan) in 1991, Higher Second Class;
- Passed H.S.C. with Sciences, Mathematics, English and Marathi (Bombay Univ.) from Bhavan's College (Bharatiya Vidya Bhavan) in 1988, Higher Second Class;
- Passed S.S.C. (Bombay Univ.) from St. Dominic Savio High School, Don Bosco Salesians in 1986, First Class.

#### **SUPPLEMENTARY QUALIFICATIONS:**

- Circumambulation (*Parikrama*) of the Kinnaur Kailash, via Charang La, in July-August 2000 with the objective of writing a book on the life and wildlife of the Kinnaur region of Himachal Pradesh;
- Winner of the Caption Contest in the First DPA Photography Exhibition, organised by Dinodia Picture Agency (DPA) - Mumbai, in June 1997;
- A Climbing-Member of the Diamond Jubilee Expedition of The Doon School to **Trishul** (7120m) which falls in the Nandadevi Biosphere Reserve, in June 1995;
- Undertook a Certificate Course in Environmental Sciences conducted by the Nature Club of Bhavan's College, Bombay in May-June, 1994 and another Certificate Course in Environmental Education for Children (TALEEM) conducted by the Centre for Environment Education (CEE), Ahmedabad from 21-25 March, 1994;
- Qualified the Praveshika Poorna Exams (1990) and Praveshika Pratham Exams (1989) in Hindustani Classical Vocal Music from Vyas Sangeet Vidyalaya, Mumbai;
- Participated in a National Nature Leadership Camp organised by WWF-India at National Defence Academy (NDA), Pune, in Oct-Nov, 1988.

#### **TRAINING ACTIVITIES:**



- Conducted Teacher's Training Workshops on Environment Education for WWF-India in June 14-23, 1999 & July 29-31, 1998 (English Medium) and Nov. 3-5, 1998 (Marathi Medium);
- Organised a Nature camp for Chitral Nature Club to Taboba-Andhari Tiger Reserve (May 1999);
- Organised a Lecture-Series for Children of Remand Homes & Slums along with Tata Institute of Social Sciences (TISS) at Ambarnath in March 1999;
- **Visiting Lecturer** for *Hansraj Jivandas College of Education*, talk on 'Wildlife & relation of birds with man', in Jan 1997 and **Guest Lecturer** at a Teachers' Training Session of the *Marathi Vidnyan Parishad*, 'Indian Wildlife', in Dec. 1996 and **Visiting Teacher** to Akshar Nandan (Pune) and Learner's Academy (Mumbai), since 1994;
- Conducted an Environment Education Workshop in collaboration with the *People's Science Institute (PSI)*, for 20 schools of Dehra Dun, in May 1996;
- Presented lectures in Marathi, for In-service Training Centre, on Environment Education - Why, What, and How? (July 1994), Lesson Planning (Dec. 1995), organised by *College of Social Work*, Nirmala Niketan, Mumbai;
- Conducted Nature Awareness and Leadership Camps from 1986-91, for *Balak Vikas Mandal* at Pune (winters), and for *Sauvardhan* at Bhimashankar Sanctuary (Monsoons);
- Camp Director of Mountaineering camps for ANALA at Manali (summers) from 1987-91.

#### OTHER INTERESTS:

- Photography, Sketching, Painting, Trekking, Mountaineering;
- Reading and Creative writing (articles & quizzes).
- Conducting slide-shows & camps;
- Playing Racquet games, viz. Squash, Badminton & Table tennis.

#### SCIENTIFIC PUBLICATIONS:

1. Pendharkar, A. P. and S. P. Goyal (*In prep*): Habitat selection by goral (*Nemorhaedus goral*) in the low altitude region of 300m to 700m in Shiwalik hills, India. **J. Mamm.**
2. Pendharkar, A. (*In prep*): Ornithological observations in Fambhong Lho Sanctuary and Kyongnosla Alpine Sanctuary, in Eastern Sikkim, **Forktail** or **Newsletter for Birdwatchers**.
3. Pendharkar, A. (*In prep*): Bird Studies in Simbalbara Wildlife Sanctuary (Himachal Pradesh) and Darpur Reserved Forests (Haryana) in comparison with the avifauna of Shiwalik hills, **Forktail**.
4. Pendharkar, A. (*In prep*): Avifauna and lesser creatures of Chandbagh. **Acad. J. The Doon School**.
5. Pendharkar, A. (1998): Bhimgad... A spot-visit report, **Sanctuary Asia**, XVIII (2): 38-43.
6. Pendharkar, A. (1998): Doon School Environment Science Class Studies Zoos, **ZOOS' PRINT**, XIII (3): 5-7.
7. Pendharkar, A. (1997): Clear it up, before we get nabbed! **WII Newsletter**, 4 (3-4): 6-7.
8. Pendharkar, A. P. and S. P. Goyal (1995): Group size and composition of the gray goral in Simbalbara Sanctuary and Darpur Reserved Forest, India. **J. Mamm.** 76(3): 906-911, 1995.
9. Pendharkar, A. P. and T. Jenner (1994): Occurrence of the Indian Black Turtle (*Melanochelys trijuga*) in Simbalbara Sanctuary, Himachal Pradesh. **J. Bombay nat. Hist. Soc.**, 91(3): 461-462.
10. Pendharkar, A. (1994): Large herbivore populations in Corbett Tiger Reserve and National Park - A critical review. **Acad. J. The Doon School**, 1(1): 8-21.
11. Pendharkar, A. P. (1993): Habitat use, group size and activity pattern of goral (*Nemorhaedus goral*) in Simbalbara Sanctuary (Himachal Pradesh) and Darpur Reserved Forest (Haryana), India. **M. Sc. Dissertation**, Saurashtra University, Dehra Dun. 60 pp.
12. Pendharkar, A. (1993): Is this Eves' Fearing or a Fearing Eve? **WII Newsletter**, 8(1-4): 31-32.
13. Mehta, P and A. Pendharkar (1992): Flora and Fauna of Chandrabani - Invertebrates, **Wildlife Institute of India Publication**, 7-9.

## POPULAR PUBLICATIONS:

1. Pendharkar, A. (*In prep*): 'The Lost World'. **Bee-Hive** or **Science Reporter**.
2. Pendharkar, A. (1998): Ed: Whose water is it anyway? A Report of the Save the Lakes Campaign, Sanctuary Magazine. 15 pp.
3. Pendharkar, A. (1998): 'How green was my valley', **Merlin Newsletter**, 10(1): 2-3.
4. Pendharkar, A. (1997): With Changing Times..., **Bee-Hive**, Vol. III(3):1-2.
5. Pendharkar, A. (1997): Naturally Green, **In-Touch**, October Issue.
6. Pendharkar, A. (1997): Nature Watch Series: Little Rann of Kachch - A Unique Desert Habitat. **Echo**, 42(1):20-22.
7. Pendharkar, A.(1996): A Goldmine in a 'Waste-Paper Basket'. **Acad. J. The Doon School**, 1(3):44-50.
8. Pendharkar, A. (1996): *Manavta ki khoj mein*. **Prayas**, 18:13.
9. Pendharkar, A. (1994): Nature Watch Series: The Avian Policeman - 'Black Drongo'. **Echo**, 37(2): 6-7.
10. Pendharkar, A. (1994): A Nature Crossword. **Echo**, 36(1): 28-30.

Updated on March 13, 2001

---

Name : **Dr. Sarfaraz Ahmad**  
 Date of Birth : 30-06 - 1971  
 Sex : Male  
 Nationality : Indian  
 Address for Correspondence : School of Environmental Sciences  
 Jawaharlal Nehru University  
 New Delhi -110 067  
 Ph.- 91-011-6169264  
 e-mail: sarfaraz71@hotmail.com

**Research Specialization** : Aqueous Geochemistry/Environmental  
 Geochemistry/Glaciology

### ACADEMIC QUALIFICATIONS

- 2000 Ph.D. in Environmental Sciences, Jawaharlal Nehru University.(Submitted)
- 1995 M.Phil. in Environmental Sciences, Jawaharlal Nehru University
- 1993 M.Sc. in Geology, Aligarh Muslim University, Aligarh
- 1990 B.Sc. (Hons.) Aligarh Muslim University, Aligarh .

### FELLOWSHIP

1. Senior Research Fellowship awarded by University Grant Commission, Govt. of India, 1995-1999.
2. Junior Research Fellowship awarded by University Grant Commission, Govt. of India, 1993-1995.
3. Qualified UGC-CSIR (NET) examination for research fellowship 1995.
4. Qualified GATE examination for research fellowship 1995.
5. Qualified Departmental Merit Scholarship for MSc 1991-93.

### MEMBERSHIP OF SCIENTIFIC SOCIETIES

1. Member of the International Association of Hydrological Science (IAHS).
2. Member of the International Association of the Cosmochemistry and Geochemistry (IACG)
3. Member of the Indian Science Congress Association (ISCA)

### PUBLICATIONS

#### International Journals

1. **Sarfaraz Ahmad** and S. I. Hasnain (2001). Snow and stream water chemistry of the Ganga headwater basin, Garhwal Himalaya, India. *Hydrological Science Journal* 49, 1. Press

2. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Geochemical Factors affecting the Atmospheric Precipitation Chemistry and Hydrochemistry of the Streams in High altitude Catchment, Ganga Headwater, India. *Aquatic Geochemistry (Revised)*
3. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Factors controlling major ion chemistry of glacial and forest stream in the high mountains, Ganga headwater, India. *Journal of Hydrology (Communicated)*
4. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Patterns of an glacial meltwater stream chemistry in ganga headwater, Garhwal Himalaya, India. *Water Research (Communicated)*
5. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Factors Controlling Suspended Sediment Transportation In Hiamalayan Glacial And Sub-Alpine Forest Streams. *Nordic Hydrology (Revised)*
6. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Chemical Characteristics Of Stream Draining From Dudu Glacier: An Alpine Meltwater Stream In Ganga Headwater, Garhwal Himalaya. *Chinese J. Earth Sci vol, 12, No. 1.*
7. **Sarfaraz Ahmad** and S. I. Hasnain (2001). Character of the subglacial drainage system in the ablation area of Dokriani glacier, India as revealed by dye-tracer studies *J. of Hydrology (Revised).*

#### Indian Journals

7. **Sarfaraz Ahmad** and D. C. Negi. (1999) Hydrogeomorphological Mapping for Groundwater Prospecting Using IRS-1B, LISS2 Images : A case Study to a part of Baitrani River Basin North coastal area of Orissa, *Journal of Applied Hydrology, Vol., XII, No. 4, pp. 35-39.*
8. **Sarfaraz Ahmad** and S. I. Hasnain (1999). Hydro-Geochemical Charecterstics Of Melt Water Draining From Bagni Glacier, Dhauliganga Basin, Garhwal Himalayas, Utter Pardesh . *Journal of Applied Hydrology, Vol., XII, No. 2 & 3, pp. 53-60.*
9. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Melt Water Characterstics of Garhwal Himalayan Glacier , *Jour. Geol. Soc. India., Vol., 56. pp.431-439*
10. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Hydro-Geochemical Characteristics of Melt Water Draining From A Trans-Himalayan Glacier. *Jour. Geol. Soc. India. (Revised)*
11. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Hydrogeo-Chemistry of Atmospheric Precipitation At High Himalaya, Ganga Headwater,. *Jour. Geol. Soc. India. (Communicated)*
12. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Effects of Throughfall On Snowpack Chemistry, Ganga Headwater, Garhwal Himalaya, *Current Science. (Communicated)*
13. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Removal Mechanism Of Soluble Ions From The Melting Snowpack In Ganga Headwater Region, Bhagirathi Valley, Garhwal Himalaya, Uttar Pradesh, India, *Jour. Geol. Soc. India. (Communicated)*
14. **Sarfaraz Ahmad** and S. I. Hasnain (2000). Hydrograph separation of meltwater stream discharge in Ganga headwater basin, Garhwal Himalaya, India, *Current Science. (Communicated)*

**16. Sarfaraz Ahmad** and S. I. Hasnain (2000). Hydrochemical characteristics of the water profile in the High altitude watershed, Ganga headwater, Garhwal Himalaya. Biogeochemistry (*Communicated*)

### **Paper/Abstract in National and International Symposia/Workshop**

1. **Sarfaraz Ahmad (1997)**. Meltwater characteristics of Himalayan Glacier during late ablation period. Nat. Symp. on Himalayan glaciers and snow cover. J.N.U., New Delhi.
2. **Sarfaraz Ahmad (1998)**. **Atmosphere- Forest canopy Interaction**. Nat. Symp. On Indian Sciences in next millennium . IARI. New Delhi.
3. **Sarfaraz Ahmad (2000)**. Hydrochemical Interaction of An Alpine Stream With Sub-Alpine Environment In Ganga Headwater Region, Garhwal Himalaya, India Nat. Symp. On Indian Sciences in next millennium . J.N.U., New Delhi.

### **WORK EXPERIENCE**

October 1995 onwards: Research work towards Ph.D. thesis on the topic "Ecohydrological Studies Of Harsil Sub-Basin, Ganga Headwater, Bhagirathi Valley, Garhwal Himalaya, Uttar Pradesh, India". The job involved sampling and detailed geochemical, mineralogical and sedimentological investigations of water, bed sediment and suspended sediments in Harsil Sub-basin: a small watershed in Bhagirathi valley, Garhwal Himalaya, India. to study the sources of major elements in the basin, water profile and environmental impact assessment of the basin.

- 1993-1995: Research work towards M.Phil. dissertation on the topic "Hydro-geochemistry of the meltwater stream draining from the Bagni Bamk, Dhauri Ganga, Garhwal Himalaya, Uttar Pradesh". The work involved collection of samples near the snout of glacial and their detailed geochemical study.

### **FIELD EXPERIENCE**

- 1996-1998: Field studies including electrical conductivity, pH, and temperature measurements were carried out of Bhagirathi river basin for the Ph.D. programme at the Jawaharlal Nehru University. This involved the collection of water, bed sediment, and suspended sediment samples from the Harsil Sub-basin near Gangotri glacier. Total duration of the field sampling programme was around one year during 1997-1998.
- 1993: Attended two weeks field work in South India as part of course work requirement for the M.Phil. programme. This included field visits to National Institute of Aquaculture at Cochin. Environmental Impact assessment, Technique used for the collecting the sea water and sediment sampling, Biota identification were some of the topics studied during the field training.
- 1994: Field work for meltwater samples collecting from the Bagni glacier, Garhwal Himalaya as part of field studies for the M.Phil dissertation. The work involved sampling of water and sediment, field observations, measurement of electrical conductivity, and pH. Dissertation submitted to Jawaharlal Nehru University.
- 1989-90: A Geological field work in and around Sonbhadra district, Uttar Pradesh. Khetri Copper mine (Rajasthan), and Junagarh, Pavagarh (Gujrat). The work involved sampling of Geological material, survey and geological mapping of the areas. Field report submitted to Aligarh Muslim University for fulfillment as a part of the BSc(Hons) and MSc Programme.

## **LABORATORY EXPERIENCE**

- Chemical analyses: Carried out analyses of water, rain, sediment and rock samples using state of the art Atomic Absorption Spectrophotometer (AAS), UV/VIS Spectrophotometer, Flame photometer, Autotitrator, Ion chromatograph.
- Statistical analyses with software statistical programs like STATGRAF and SPSS.
- Conversant with other software packages like, ARCINFO/ ARCVIEW, WORD-PERFECT, MS-WORD, LOTUS 123, HARVARD GRAPHICS, MS-EXCEL, GRAPHER, PHOTO DELUX, CORAL DRAW, INTERNET APPLICATION AND WEB PAGE MAKING, WORKING EXPERIANCE OF PROGRAMING WITH QBASIC.

## **REFEREES**

1. Dr. S. I. Hasnain  
School of Environmental Sciences  
Jawaharlal Nehru University  
New Delhi 110 067  
Ph. 91-011-6897039  
email: iqbalhasnain@haotmail.com
2. Prof. V. K. Jain  
School of Environmental Sciences  
Jawaharlal Nehru University  
Ph. 91-011-6897039  
New Delhi 110 067
3. Prof. J. Subba Rao  
School of Environmental Sciences  
Jawaharlal Nehru University  
Ph. 91-011-6897039  
New Delhi 110 067

