Curriculum Vitae

Complete List of Publications

Atanu Kumar Pati, PhD, FNASc
Professor of Bioscience
School of Life Sciences
Pt. Ravishankar Shukla University
Raipur – 492010, Chhattisgarh

Revised – November 9, 2016

Biographical Details

Name: Atanu Kumar PATI

Date of birth: March 26, 1956

Place of birth: Cuttack

Designation: Professor

Marital status: Married; Blessed with two sons

Address:

Office

School of Life Sciences
Pt. Ravishankar Shukla University
Raipur - 492 010, India
Phone: +91-771-2262631 (O); Ext. 101
Mobile: +91-9826654829
Fax: +91-771-2263439; 2262818
Email: akpati19@gmail.com

Residence

House # 2, Neera Extension, Parthivi Nagar
Hirapur Road, Raipur - 492 099, India
Phone: +91-771-4025440
Mobile: +91-9826654829

Education

1. High School Certificate, Board of Secondary Education, Orissa, 1971
2. B.Sc., Utkal University, 1975, Biology (Honours in Zoology)
3. M.Sc., Banaras Hindu University, 1977, Zoology (Reproduction Biology & Endocrinology)
4. Ph.D., Banaras Hindu University, 1982, Zoology (Sub area: Chronobiology)
5. Cours de Chronobiologie, L"Université V, Paris, 1986
6. Diploma in French, Pt. Ravishankar Shukla University, 2001

Experience

Professional

1. Research Associate (UGC), Banaras Hindu University, 1982-83
2. Lecturer, Pt. Ravishankar Shukla University, 1983-90
3. Post-doctoral Fellow, Hôpital Paul Brousse, Villejuif (L"Université V, Paris), 1985-86
4. Reader, Pt. Ravishankar Shukla University, 1990-1998
5. Professor, Pt. Ravishankar Shukla University, 1998-present

Academic

1. Member, Drafting Committee, Chhattisgarh Biodiversity Strategy and Action Plan, 2002
2. Member, State Steering Committee, Chhattisgarh Biodiversity Strategy and Action Plan, 2002
3. Member, Technical Core Group, Chhattisgarh Biodiversity Strategy and Action Plan: Monitoring and Conservation, 2002
4. Member, National Planning Committee for the SERC School in Chronobiology, 2002-2007
5. Member, BoS in Bioscience and Biotechnology, Pt. RSU, Raipur, 2003-2005
6. Member, Institutional Animal Ethics Committee (IAEC), Pt. RSU, Raipur, 2004-2007

7. Member, Quality Advisory Committee (NAAC), Pt. RSU, Raipur, 2004-2010

8. Chairman, BoS in Bioscience, Microbiology & Biochemistry, Pt. Ravishankar Shukla University, Raipur, 2005-2008
9. Member of Prospectus Committee, Pt. Ravishankar Shukla University, Raipur
10. Member, Academic Council, Pt. Ravishankar Shukla University, Raipur, 2005-2008
11. Member, Advisory Committee, DRS-SAP sanctioned to School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, 2004-2009
12. Member, Project Evaluation Committee, Chhattisgarh Private University Regulatory Commission, Govt. of Chhattisgarh
13. Member, Selection Committee for Lecturer in Zoology, G.H. Raisoni National College, Raipur
14. Member, Examination Committee, Pt. Ravishankar Shukla University, Raipur
15. Expert, Research Project Evaluation Committee, CCOST, Raipur
16. Chairman, Brochure Compilation & Printing Committee, XII, XIII, XIV, XV, XVI, XVII Convocations, Pt. Ravishankar Shukla University, Raipur
17. Chairman, Citation Committee, XII, XIII, XIV, XV, XVI, XVII Convocations, Pt. Ravishankar Shukla University, Raipur
18. Member, BoS in Zoology, Dr. H.S. Gour Vishwavidyalaya, Sagar, from 2007-2010
19. Member, BoS in Bioscience, Barkatullaha Vishwavidyalaya, Bhopal, from 2007-2010
20. Member, BoS in Zoology, Gurukul Kangri University, Hardwar, from 2007-2009
21. Member, BoS in Zoology, Vikram University, Ujjain, from 2007-2010
22. Director, Academic Staff College, Pt. Ravishankar Shukla University, Raipur, from 2006-2008
23. Member, School Board in Sciences, Nagaland University, Kohima, 2008
24. Member, BoS in Zoology, Govt. Science College, Durg, 2007
25. Member, BoS in Zoology, D.B. Girls PG College, Raipur, 2007
26. Member, Institutional Animal Ethics Committee (IAEC), Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg, 2007
27. Member, Academic Planning and Evaluation Board, Pt. Ravishankar Shukla University, January 2010-2013
28. Chairperson, Committee to draft Re-Accreditation Report (RAR) of PRSU, Raipur, submitted to NAAC, Bangalore, 2010
29. Member Secretary, Institutional Ethics Committee for Human Research, Pt. Ravishankar Shukla University, Raipur, 2010-2014
30. Coordinator, UGC DRS-SAP Phase-II, sanctioned to School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, 2010-2015
31. Member, Vision Committee, Pt. Ravishankar Shukla University, Raipur, 2011-Present
32 Chairman, BoS in Bioscience, Pt. Ravishankar Shukla University, Raipur, 2011-2014
33. Coordinator, National Centre for Natural Resources, sanctioned to Pt. Ravishankar Shukla University, Raipur, by DST, New Delhi, 2012-Present
34. Coordinator, UGC DRS-SAP Phase-III, sanctioned to School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, 2016-Present

Administrative

1. Member, Executive Council, RSU Teachers Association, 1989-91, 1993-1995
2. Warden, C.S. Azad Hostel, Pt. Ravishankar Shukla University, Raipur, 1990-92
3. Secretary, Ravishankar Shukla University Teachers Association, 1991-93
4. Chief Warden, Boys Hostel, Pt. Ravishankar Shukla University, Raipur, 1992-93
5. Vice-President, Shikshak Kalyan Sangathan, Pt. RSU, Raipur, 1996-2002
6. Assistant Proctor, Pt. Ravishankar Shukla University, Raipur, 2000-2002
7. Member, Anti-Ragging Committee, 2000-2001
8. Member, Vidyalaya Management Committee, Central School, Raipur, 2003-2006
9. Member, Library Committee, Pt. Ravishankar Shukla University, Raipur, 2005-2012
10. Coordinator, Flying Squad, 2005-2006
11. Coordinator, Question paper distribution at the Distribution center located in Govt. P.G. College, Dhamtari, 2005-2006
12. Chairman or member in different Inspection Committees for number of Institutions and Colleges for approval of new courses and for affiliation of Colleges, Institutions to the Pt. Ravishankar Shukla University, Raipur.
13. Member, Chhattisgarh Biodiversity Board, Govt. of Chhattisgarh

14. Member, Implementation Committee, Chhattisgarh Vyavasaik Pariksha Mandal, Raipur, 2006-2007
15. Member, Flying squad, Pt. Ravishankar Shukla University, Raipur, 2005
16. Proctor, Pt. Ravishankar Shukla University, Raipur, July 2009-August 2010
17. Chairperson, Central Anti-ragging Committee, Pt. RSU, Raipur, for the session 2009-10
18. Chairman, Grievance Redress Cell, School of Life Sciences, PRSU, Raipur, 2010-2013
19. Chairman, Departmental Research Committee, School of Life Sciences, PRSU, Raipur, 2010-2013
20. Chairman, Staff Council, School of Life Sciences, PRSU, Raipur, 2010-2013
21. Member, Complaints Committee (Sexual Harassment at Workplace), PRSU, Raipur, 2011-Present

Honours

1. Secretary, Indian Society for Chronobiology, 1990-2008
2. Convener, International Symposium on Current Status of Chronobiology, 1990
3. Organizing Secretary, DST Group Monitoring Workshop in Animal Sciences, 1995
4. Secretary, Indian Pineal Study Group, 1995-1999
5. Organizing Secretary, Silver Jubilee Meetings of Ethological Society of India and National Symposium on Behaviour, 1996
6. Member, Executive Body, The Ethological Society of India, Bangalore, 1997-1999
7. Vice-President, Indian Pineal Study Group, 1999-2002
8. President, Indian Pineal Study Group, 2002-2007
9. Council Member, World Federation of Societies of Chronobiology, 2002-2006
10. Course Director & Coordinator, Second SERC School in Chronobiology, 2003
11. Convener, National Colloquium on Cave Organisms and Adaptation, 2004
12. Convener, XVII International Symposium of Biospeleology, November 25-30, 2004
13. Council Member, International Society of Subterranean Biology, 2004-present
14. President, Society of Speleology and Subterranean Biology, 2004-present
15. Member, International Scientific Board, First International Congress of Applied Chronobiology and Chronomedicine, Turkey, 2005
16. Member, International Project on the BIOsphere and the COSmos (BIOCOS), April 2005-present
17. Member, International Scientific Board, Second International Congress of Applied Chronobiology and Chronomedicine, Tunisia, 2007
18. Course Director, Multinational Graduate Course on Basic Chronobiology with Reference to Chronomedicine, 2-7 November 2008
19. Member, International Scientific Board, Third International Congress of Applied Chronobiology and Chronomedicine, Israel, 2009
20. President, Indian Society for Chronobiology, 2008-present
21. Chairperson; Work, Every Day Life; Session 4; Section – Attention, Performance, Accidents, Sport; The Third International Congress of Applied Chronobiology and Chronomedicine, Akko, Israel, May 17-22, p. V-VI.
22. Proctor, Pt. Ravishankar Shukla University, July 2009-2010
23. Dean, Faculty of Life Science, Pt. Ravishankar Shukla University, January 2010-2012
24. Editor-in-Chief, Journal of Ravishankar University, Part B (Science) from 2009-Present
25. Member, Executive Council, Pt. Ravishankar Shukla University, January 2010-2012
26. Coordinator, INSPIRE Internship Program, PRSU, Raipur, 2010-2011
27. Member, IQAC Coordination Committee, NAAC peer team visit, September 2010
28. Director, IQAC, Pt. Ravishankar Shukla University, Raipur, from July 2011-Present

Scholarships

Indian:

1. Junior Merit Scholarship (Govt. of India, 1971-72)
2. National Scholarship (Govt. of India, 1975-77)
3. Junior Research Fellow (UGC, New Delhi, 1977-79)
4. Senior Research Fellow (UGC, New Delhi, 1979-82)
5. Research Associate (UGC, New Delhi, 1982-1983)
6. Research Associate (CSIR, New Delhi, 1983; Not joined)

Foreign:

1. French Govt. Fellowship Award, 1985-86

Awards

1. UGC Research Award, 2002-2005
2. P.P.A.K.S. Minhas Award, Vocational Rotary Award for the session 2007-2008 in the field of Science & Technology

Fellowship

1. Fellow of the National Academy of Sciences, India (F.N.A.Sc.), Year of election: 2003

Professional Society Membership

National:

1. Indian Society for Chronobiology (Life)
2. Indian Society for Life Sciences (Annual)
3. Indian Science Congress Association (Annual)
4. Chhattisgarh Botanical Association (Life)
5. Indian Society for Comparative Endocrinology (Life; Founder member)
6. Journal of Parasitology & Applied Animal Biology (Life)
7. Indian Pineal Study Group (Life)
8. The Ethological Society of India (Life)
9. Indian Society for Environmental Endocrinology (Life)
10. Zoo Outreach Organization (Annual)
11. Society for Environmental Ecology and Development (Life)
12. The National Academy of Sciences, India (Life)
13. Society of Speleology and Subterranean Biology, India (Life)

International:

1. International Society for Chronobiology
2. Association Conferences Rhythmes Biologiques et Medicaments (Past member)
3. International Society of Subterranean Biology, from 2000
4. International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France, 2007-2014
5. Biosphere and Cosmos (BIOCOS), Minnesota, USA, from 2005

Research Experience

Guidance Experience:

1. Ph.D. guided: 23*; Current Ph.D. Students Working: 3
   *Includes 3 Co-guidance
2. M.Phil. Guided: 10; Current M.Phil. Students Working: Nil
   (M.Phil. program of School of Life Sciences discontinued from 1995 till 2007)

Ph.D. Thesis (with year of Award)

1. Mr. Jayant Biswas (1990): Biospeleology: the behavioral and physiologic adaptations in a cavernicole.
2. Ms. Satvant Kaur Saini (1991): Some aspects of Chronobiology in chickens relating to the schedule-shift and hormones.
3. Ms. Shobha Gupta (1992): Analysis of circadian time structure in shiftworkers and diurnal healthy human subjects.
4. Mr. S.A. Dixit (1994): Ecological behaviour of rice hoppers, greenleaf hoppers, Nephotettix virescens (Distant), whitebacked planthopper, Sogatella furcifera (Horvath) and brown planthopper, Nilaparvata lugens (Stal.) in Chhattisgarh area.
5. Ms. Maya Shedpure (1995): Extra-reproductive role of pineal in freshwater catfish.

6. Ms. Elizabeth Varghese (1997): Behavioral thermoregulation in air-breathing catfish: the role of the pineal and melatonin.
7. Mr. Arvind Agrawal (1997): Studies on bagworms (Lepidoptera: Psychidae) of the Chhattisgarh region with special reference to biology, taxonomy, case construction behaviour, and insect plant interaction.
8. Ms. Arti Chandrawanshi (1998): Shiftwork: health, physiologic and psychosocial aspects.
9. Ms. Seema Gupta (1998): Some aspects of endocrine regulation of surfacing behaviour in an air-breathing catfish, *Clarias batrachus*.
10. Ms. Renu Maheshwari (1999): An analysis of air-gulping behaviour of the catfish, *Heteropneustes* fossilis, with reference to hormonal regulation.
11. Ms. Seema Tiwari* (1999): Insect pests scenario of Soybean in Chhattisgarh region of Madhya Pradesh.
12. Ms. Kavita Das (2006): Studies on the cerebral neuroendocrine system and the neuroendocrine control of vitellogenesis in the Antheraea mylitta D. (Lepidoptera; Saturniidae).
13. Mr. K. Venu Achari (2007). Morningness-eveningness, lifestyle and longevity in shift workers.
14. Mr. Omji Gupta* (2008). Physiological rhythms and performance among sports persons.
15. Ms. Shipra Sinha (2009). Behavioural ecology of the crab, Barytelphusa cunicularis.
16. Ms. Anjana Kar (2009). Circadian rhythm in cancer and diabetic patients.
17. Mr. Anil Ramteke (2010). Circadian time structure (CTS) in locomotor activity of Indian walking catfish, *Clarias batrachus* and the effect of moonlight (ML).
18. Ms. Pushpa Poddar (2011). Entrainment characteristics of locomotor activity rhythm in Indian catfish, *Clarias batrachus*.
19. Mr. Hrishikesh Patel* (2011). Study of circadian rhythm in heart rate, physical activity, activity intensity and energy expenditure of sports persons.
20. Ms. Razia Sultana (2012). Study of dipping and nondipping patterns in blood pressure in healthy, diabetic and hypothyroidic subjects.
21. Ms. Babita Pande (2013). Time estimation (short intervals) in human subjects under free living and constant routine conditions.
22. Arati Singh (2015). Foraging and nest-building behavior of Indian cliff swallow, *Hirundo fluvicola* (Blyth, 1855).
23. Shrutika Kankariya (2015). The ecology and behavior of Indian swift, *Apus affinis* (Gray, 1830).

M. Phil. Thesis (with year of Award):

1. Ms. Namita Mishra (1988): Some aspects of hormonal control of feather rejuvenation in domestic fowls.
2. Ms. Shobha Gupta (1989): Oxidative metabolism and erythropoiesis in Indian garden lizard: circadian stage dependent in vivo and in vitro response to thyroxine and human urinary erythropoietin.
3. Ms. Geeta Gupta (1990): Influence of late afternoon administration of melatonin on intermediary and energy metabolism in male house sparrow: is the effects gonad dependent?
4. Ms. Swati Jain (1991): Influence of temporal phase relationship of melatonin with thyroxine or testosterone on erythropoiesis and metabolism in a teleost.
5. Ms. V Vasanta (1992): Reproduction and metabolic responses in catfish, *Clarias batrachus*: scotophase scanning by 3-hour warm pulse.
6. Ms. Suparna Srivastava (1993): Electrolyte regulation in tropical catfish: role of the pineal gland.
7. Ms. Ananya Gangopadhyay (1994): Studies on ventilatory functions in shiftworkers.
8. Ms. Anuradha Sahu (2008): Circadian rhythm of phototactic behaviour in Indian stinging catfish, *Heteropneustes fossilis* as function of light intensity and feeding regimen.
9. Ms. Shalinee Meshram (2009). Effect of thyroxine (T4) hormone on locomotor activity of *Clarias batrachus*.
10. Mr. Kaushal Baghel (2012). Behavioural ecology of *Achatina fulica*.

Note: M.Phil. program of School of Life Sciences discontinued from 1995 till 2007

M. Sc. Dissertation:

1. Ms. Anjana Kar (2004): Wrist activity and sleep-wake rhythms in day active human subjects.
2. Mr. Ravi Shankar Kanoje (2004): Distribution and management of wild ungulates in Kanha National Park with special reference to swamp deer. Supervised with Dr. Andrew J. Lawrence, University of Hull, UK.
3. Ms. Razia Sultana (2006): Studies on circadian rhythms in rest-activity, time perception, axillary temperature, random number addition speed, and sleep behaviour in a group of apparently healthy young females.
4. Ms. Pratibha Kujur (2007): Circadian rhythm in blood pressure and heart rate as function of age and circadian typology.
5. Ms. Anupriya Chandraker (2010): Does obesity alter characteristics of circadian rhythm in energy expenditure and activity of female subjects?
6. Ms. Priya Sharma (2014): Comparative study of circadian rhythm of the core and shell temperatures in humans measured at different locations of the body.

Note: Introduced in M.Sc. curricula of the School of Life Sciences from 2004

B. Sc. Dissertation:

1. Mr. Arojit Mitra (2005): Circadian phenomenon: Indispensable, yet neglected.

Summer Project Dissertation:

1. Mr. Priyoneel Basu (2006): Diagnosing delayed sleep-phase syndrome using autorhythmometry, wrist actigraphy and ABPM: A case study.
2. Mr. Aditya Sanjay Karkare (2006): Descriptive and inferential biometry: validation of human circadian rhythms.
3. Ms. Megha Agrawal (2006): Autorhythmometric measurement of circadian blood pressure rhythm using ambulatory blood pressure monitoring: A review of its clinical and prognostic relevance.

Grant Support

Project 1: Evaluation of repeated synchronizer phase-shift effects on growth, circadian rhythm and chronosensitivity to hormones in chickens; Funding agency: CSIR, New Delhi; Tenure: 1986 – 1990.

Project 2: Reproductive, Physiological and behavioral adjustments in a cavefish: A study on retrogressive/ constructive evolution; Funding agency: DST, New Delhi; Tenure: 1987- 1989.

Project 3: Circadian time structure of shift workers: optimization for scheduling human shift-work; Funding agency: Partial support by Pt. R.S.S.U., UGC and CSIR in the form of JRF, SRF & RA to co-investigators working in the project; Tenure: 1992-2002.

Project 4: Impact of regressive evolution of circadian behavior: a comparative study of temporal organization in cave-adapted *Nemacheilus evezardi* and its ancestors; Funding Agency: DST, New Delhi; Tenure: 1995-1999

Project 5: Determination of Phase Angle Differences (Ψ) between the Circadian Locomotor Activity Rhythm and the Zeitgeber in the Cave Loach, *Nemacheilus evezardi*; Funding Agency: UGC (Minor); Tenure: 2000-2002

Project 6: Response of circadian clock of cave-dwelling hypogean loach and its epigean ancestor to nonphotic cues; Funding Agency: UGC; Tenure: 2002-2005

Project 7: DRS to School of Life Sciences under the Special Assistance Program. Identified Thrust Areas: Chronobiology; Funding Agency: UGC; Tenure: 2004-2009

Project 8*: Investigation of relationship between circadian rhythm type, psycho-physiological state and performance; Funding Agency: UGC; Tenure: 2006-2009

Project 9*: Circadian profile of nitrate reductase activity in *Jatropha curcas*; Funding Agency: CCOST; Tenure: 2008-2010

Project 10: Study of circadian rhythm in the cognitive ability to judge short-interval durations in humans and the effect of light at night (LAN); Funding Agency: DST; Tenure: 2010-2013

Project 11:** DRS to School of Life Sciences under the Special Assistance Program, Phase II. Identified Thrust Areas: Chronobiology; Funding Agency: UGC; Tenure: 2010-2015.

Project 12:** National Center for Natural Resources; Funding Agency: DST; Tenure: 2012-2015

Project 13: Inventory on earthworm biodiversity database of Raipur district of Chhattisgarh agro-ecosystems cultivating scented rice; CCOST; Tenure: 2014-2016

Project 14:** DRS to School of Life Sciences under the Special Assistance Program, Phase III. Identified Thrust Areas: Chronobiology; Funding Agency: UGC; Tenure: 2016-2021.

*Co-PI; **Coordinator

Symposia/Workshops/Meetings Organized

International

1. Organizing Secretary, International Symposium on Current Status of Chronobiology, November 24-26, 1990.
2. Organizing Secretary, XVII International Symposium on Biosepelology, November 25-30, 2004.
3. Organizing Secretary, Multinational Graduate Course on Basic Chronobiology with Reference to Chronomedicine, 2-7 November 2008
4. Organizing Secretary, 3rd International Congress of the Society for Ethnopharmacology (SFEC - 2016), February 19-21, 2016

National

1. Organizing Secretary, DST Group Monitoring Workshop in Animal Sciences, October 18-20, 1995.
2. Organizing Secretary, Silver Jubilee Meetings of ESI and National Symposium on Behaviour, December 28-30, 1996.
3. Organizing Secretary, National Seminar – cum – Workshop on Assessment and Accreditation (NAAC-sponsored), June 7-8, 2002.
4. Organizing Secretary, DST (SERC) Planning Committee Meeting for the Second Indian School on Chronobiology, December 13, 2002.
5. National Symposium on Innovations and Prospects in Life Sciences, December 14-16, 2002.
6. Organizing Secretary, Second SERC School in Chronobiology, October 08-19, 2003.
7. Organizing Secretary, XV National Symposium on Chronobiology, October 20-21, 2003.
8. Organizing Secretary, National Colloquium on Cave Organisms and Adaptation, May 22-23, 2004.
9. National Symposium on Biodiversity: Current Status and Prospects, October 17-18, 2005.
10. Convener, Trends & Techniques in Chronobiology: A Workshop, March 20-25, 2006.
11. Convener, XX National Symposium on Chronobiology, December 27-29, 2008.
12. Convener, Seminar: Environmental Issues & Challenges, March 29, 2010
13. Chairman, National Conference on Advances in Biological Sciences, November 5-7, 2011
14. Organizing Secretary, Workshop on E-Learning, January 28-30, 2013
15. Convener, II National Conference on Recent Advances in Biological Sciences, November 25-27, 2013

16. Convener, National Workshop on Trends & Techniques in Chronobiology, January 6-12, 2014.
17. Convener, Workshop on h-Index, i10-index & Citations, August 22-23, 2014
18. Convener, XXV National Symposium on Chronobiology – Time in Biology and Medicine, March 27-29, 2015

Publications (Summary)

1.	Review	15[a]
2.	Papers in Refereed Foreign Journals	57
3.	Papers in Refereed Indian Journals	50
4.	Papers in Proceedings	23
5.	Papers in Other Journals	05
6.	Book	02
7.	Book Chapter	03
8.	Mini Review	01
9.	Report	13
10.	View/Opinion	05
11.	Popular articles	07
12.	Foreword/Editorial	04
	Total Publications:	**170**
13.	Symposium/Conference Paper	261[b]

[a]Shown under respective category and not added in the total; [b]not added in the total

Teaching Experience

PG Teaching in years: 33+
UG Teaching in years: 4+

Subjects Teaching/Taught	Class
Animal Physiology*	M.Sc. Bioscience
Endocrinology	M.Sc. Biochemistry
Developmental Biology	M.Sc. Bioscience (Till 2001)
Chronobiology (Special Paper)	M.Sc. Bioscience
Biostatistics & Computer Awareness	M.Sc. Bioscience, M.Sc. Microbiology, M.Sc. Biochemistry, M.Sc. Biotechnology (Till 2004, New department created), M.Sc. Forestry (Till 2000, course withdrawn thereafter)
Computer Application & Biostatistics	5-Year Integrated Course; Major in Bioscience
	5-Year Integrated Course; Major in Microbiology
Chronobiology	M.Phil. (Till 1995)
Research Methodology & Data Analyses	M.Phil. (From 2007; M.Phil. program resumed from 2007); Ph.D. Course Work [from 2011]
French	Diploma in French, 1991-93; 1998-00

*Includes Chronobiology [till 2007], Endocrinology & Pheromones

As a Faculty in Other Departments/Universities

1. Guest Faculty in Delhi University, Delhi, Session 1993-1994, Subject Taught: Chronobiology.
2. Guest Faculty in Jiwaji University, Gwalior, 2000, Subject taught: Biostatistics and Computer in Biology.

3. Guest Faculty in the SOS in Linguistics and Languages, Pt. Ravishankar Shukla University, Raipur, 1991-1993, 1998-2000, Subject taught: French.
4. Guest Faculty in the SOS in Computer Science, 1999, Subject taught: Statistical Packages.
5. Core Faculty, First SERC School in Chronobiology, October 17-27, 2002, Lucknow, Subject taught: Chronobiology, Lab course: Autorhythmometry & Statistical Packages.
6. Guest Faculty in Delhi University, Delhi, Session 2002-2003, Subject Taught: Chronobiology, Autorhythmometry & Circadian rhythm in cave organisms.
7. Core Faculty, Second SERC School in Chronobiology, October 8-19, 2003, Raipur, Subject taught: Chronobiology, Lab course: Actigraphy.
8. Core Faculty, Third SERC School in Chronobiology, December 29, 2004 – January 07, 2005, Gulbarga, Subject taught: Chronobiology, Lab course: Actigraphy & Actogram construction.
9. Core Faculty, Fourth SERC School in Chronobiology, December 24, 2005 – January 04, 2006, Chidambaram, Subject taught: Chronobiology, Lab course: Actigraphy, Ambulatory blood pressure monitoring & autorhythmometry.
10. Core Faculty, Trends & Techniques in Chronobiology: A Workshop, March 20-25, 2006, Raipur, Subject taught: Chronobiology, Lab course: Actigraphy, Ambulatory blood pressure monitoring & autorhythmometry.
11. Guest Faculty, Gurukul Kangri University, Hardwar, October 13-14, 2007.
12. Core Faculty, Fifth SERC School in Chronobiology, February 1-11, 2007, Meerut, Subject taught: Chronobiology, Lab course: Actigraphy, Ambulatory blood pressure monitoring & autorhythmometry.
13. Core Faculty, SERC School in Chronobiology, 24 December – 7 January 2011, University of Delhi, Delhi

Editorial Experience

1. Past Editor, Ravishankar University Newsletter, Raipur
2. Past Editor, Biome (Quarterly), Journal in the areas of Life Sciences (Official organ of Chhattisgarh Botanical Association, Raipur)
3. Past Associate Editor, Journal of Ravishankar University
4. Past Editorial Board Member, Bioscience Research Bulletin, Modinagar
5. Associate Editor, Journal of Parasitology and Applied Animal Biology
6. Editor-in-Chief, Newsletter, Indian Society for Chronobiology, 1995-1997, 2000-2008
7. Expert, Selection/Assessment Committee, 1998-2000, NISCOM, CSIR, New Delhi
8. Editor-in-Chief, Society for Ecological and Environmental Development, Bhilai, 1999-2000
9. Reviewer of many national and foreign journals
10. Ph.D. thesis reviewer of about twenty Indian Universities
11. Reviewer of grant proposals (research projects) submitted to different funding agencies
12. Editor-in-Chief, Journal of Ravishankar University, Part B (Science) from 2009-Present

Areas of Interest

Chronobiology, Shift work optimization, Animal Behaviour, Subterranean Biology, Ecology, Comparative Physiology, Endocrinology, Biodiversity and Biostatistics

Countries Visited

France, UK, Germany, Switzerland, Brazil, Italy, Romania, Tunisia and Israel

Complete List of Publications of Atanu Kumar Pati

Review Articles

1. Pati AK, Pradhan RK, Pathak VK, Saini SK and Biswas J (1987). Circadian rhythms in nonmammalian vertebrates. Biome 2, 58-69.
2. Lévi F, Canon C, Depres-Brummer P, Adam R, Bourin P, Pati AK, Florentin I, Misset JL and Bismuth H (1992). The rhythmic organization of the immune network: implications for the chronopharmacologic delivery of the interferons, interleukins and cyclosporin. Adv. Drug Deliver. Rev. 9, 85-112.
3. Shedpure M and Pati AK (1995). The pineal gland: structural and functional diversity. Indian J. Exp. Biol. 33, 625-640.
4. Varghese E and Pati AK (1996). Thermoregulatory spectrum in vertebrates. Indian J. Exp. Biol. 34, 1053-1070.
5. Pati AK and Shedpure M (1998). Temporal relationship between circannual reproductive cycle and infradian rhythms in physiologic functions in lower vertebrates. In: Comparative Endocrinology and Reproduction (KP Joy, A Krishna and C Haldar, Eds.), pp. 433-461. Narosa Publishing House, New Delhi.
6. Pati AK (2000). An introduction to chronobiology. In: Chronophysiology (M Shedpure, Ed.), pp. 1-61. RSU, Raipur.
7. Pati AK, Chandrawanshi A and Reinberg A (2001). Shift work: Consequences and management. Curr. Sci. 81, 32-52.
8. Pati AK (2001). Chronobiology: The dimension of time in biology and medicine. Proc. Indian Natn. Sci. Acad. (PINSA) B67, 323-372 (by invitation).
9. Pati AK and Agrawal A (2002). Studies on the behavioural ecology and physiology of a hypogean loach, *Nemacheilus evezardi*, from the Kotumsar Cave, India. Curr. Sci. 83, 1112-1116.
10. Pati AK (2004). Chronobiology: Implications of circadian rhythms. Natl. Acad. Sci. Lett. 27, 233-248 (Invited Review).
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123. Pati AK (2006). Summarizing and Describing Data. Seminar-cum-Workshop on Comparative Endocrinology and Reproductive Physiology, Department of Zoology, Delhi University, New Delhi, October 04-13 (Guest Lecture).

124. Pati AK (2006). The Normal Distribution. Seminar-cum-Workshop on Comparative Endocrinology and Reproductive Physiology, Department of Zoology, Delhi University, New Delhi, October 04-13 (Guest Lecture).

125. Pati AK (2006). Hypothesis testing. Seminar-cum-Workshop on Comparative Endocrinology and Reproductive Physiology, Department of Zoology, Delhi University, New Delhi, October 04-13 (Guest Lecture).

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206. Sinha S and Pati AK (2010). Characteristics of locomotor activity rhythm of freshwater crab, *Barytelphusa cunicularis*. 26th Conference of the International Society for Chronobiology. July 5-9, Vigo, Spain, p. 27.

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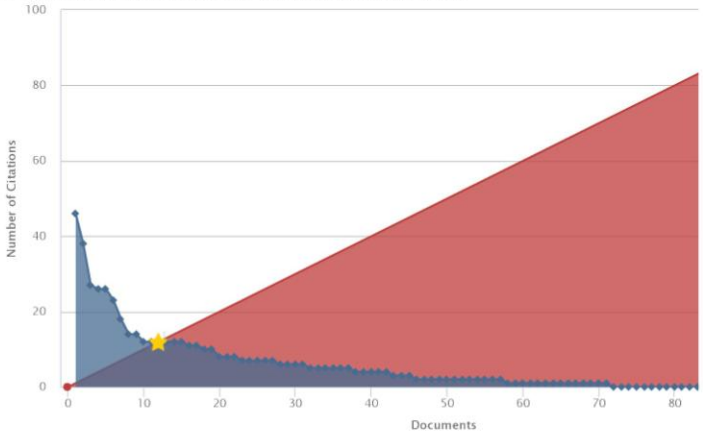

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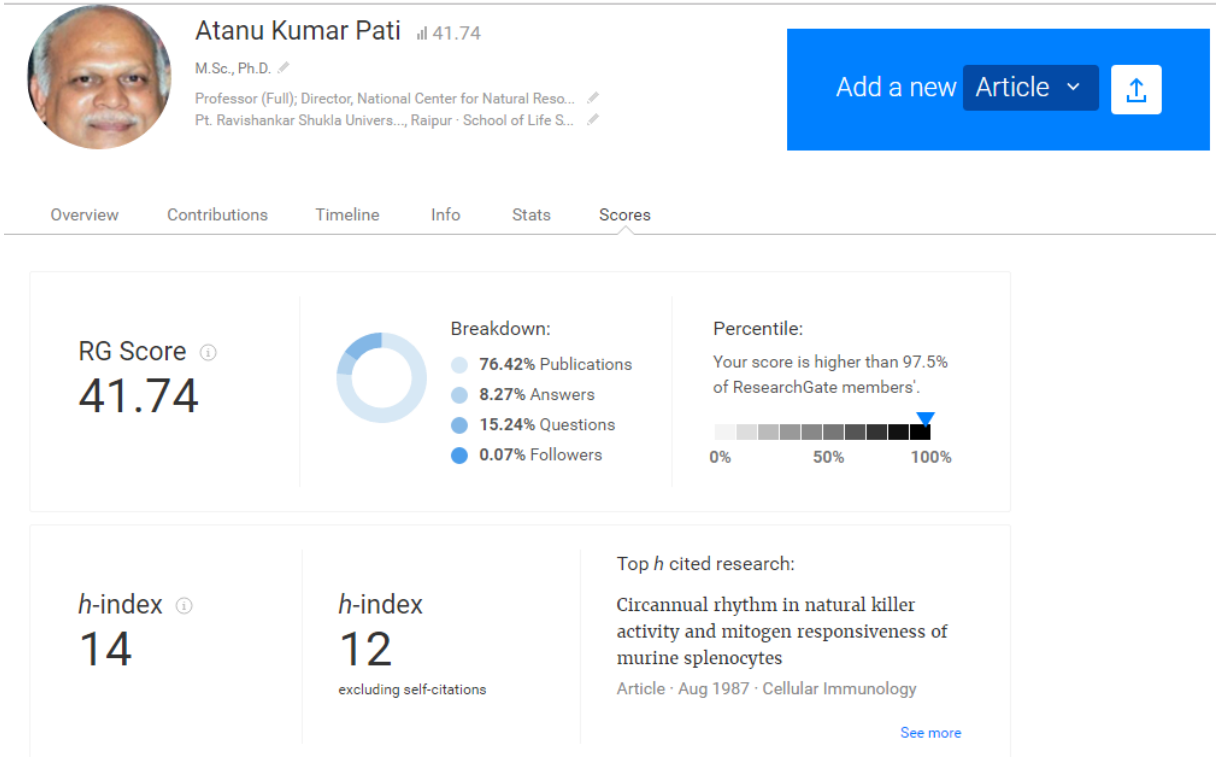

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