

# *Professor Arvind Kumar, Ph. D., D. Sc.*

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**Name** : **Professor (Dr) Arvind Kumar**

**Present Position** : **CHANCELLOR**

**Pt. Madan Mohan Malaviya University,  
Bishanpur, 811 814 (Bihar) India**

**DIRECTOR, Linnaeus Research Foundation,  
University–Rasikpur Road, Sonmadangal, Dumka-814101  
(Jharkhand)**

**Position Held** : **VICE-CHANCELLOR**

*The Indira Gandhi Technological & Medical  
Sciences University, Ziro – 791120, Aunachal  
Pradesh.*

**VICE-CHANCELLOR,**  
*Magadh University, Bodh-Gaya (Bihar)*

**VICE-CHANCELLOR,**  
*Vinoba Bhave University, Hazaribag (Jharkhand)*

**VICE-CHANCELLOR,**  
*S.K.M. University,  
Dumka (Jharkhand).*

**Professor, Head & Dean,**  
*University Department of Zoology,  
S. K. M. University,  
Dumka – 814 101, Jharkhand.*

Mailing Address : Professor. (Dr.) Arvind Kumar, Shri Brahmadeo Niwas, Professors' Colony, Rasikpur Bagan, DUMKA – 814 101 (India).

E-Mail Address : [drarvindvc@gmail.com](mailto:drarvindvc@gmail.com)/ Cell No. 9334240405  
9470111101

Date of Birth : March 23, 1953.

Qualification : M. Sc., Ph. D., **D. Sc.**, FLS(London), FAS(Swiss), FAEB, FAZ (Gold Medallist)

Language Known : Hindi, English & German.

Teaching Experience : Total Teaching Exp.: 40 years(17.8.1979)

### **GOLD MEDAL AWARDS:**

1. Awarded **University Gold Medal in B.Sc. Zoology Hons (T.N.B.Colleg/1972-1974)**
2. Awarded **University Gold Medal in M.Sc. Zoology (Bhagalpur University / 1974-1976)**
3. Awarded **Dr. W. A. Nizami Gold medal** by Zoological Society of India in 2000 for outstanding research work.
4. Awarded **Dr. S. Z. Qasim Gold Medal** by Sardar Ballav BhaiPatel University of Agriculture & Technology, Merrut, in 2005.
5. Awarded **Bahuguna Gold Medal by** Indian Academy of Environmental Sciences, Harwar in 2005.
6. Awarded **Odum Gold Medal** by International Society for Ecological Communications (Poland) in 2006.
7. Awarded **ASEA Environment Gold Medal** from Gurukul Kangari University, Haridwar in 2007.
8. Awarded **Charles Darwin Gold Medal** during International Symposium in Vinoba Bhave University, Hazaribag 2009.

## **SCHOLARSHIP & FELLOWSHIP AWARDS:**

### **(A) National:**

1. National merit scholarship throughout the student-life from 1969 – 1976.
2. Junior Research Fellowship by C.S.I.R., New Delhi, in Bhagalpur University in 1978-1979.
3. Fellow of Association of Zoologists (Pune).
4. Fellow of Zoological Society (Kolkata).
5. Fellow of Academy of Environmental Biology (Muzaffar Nagar).
6. Fellow of Association of Environment & Science (New Delhi).
7. Fellow of Society of Environmental Sciences (Dumka).
8. Fellow of Zoological Society of India (Bodh Gaya).
9. Fellow of Society of Sciences (Dumka).

### **(B) International:**

- (a) Fellow of Societe Internationale de Cladocera from University of Herzberg, Switzerland
- (b) Fellow of International Society for Ecological Communications (Poland).
- (c) Fellow of Water Contamination Control Society, Keelung (Taiwan).

## **CONFERENCE/ SEMINAR/ SYMPOSIUM ATTENDED:**

### **(A) In Indian Universities:**

1. 67<sup>th</sup> Annual session of Indian Sc. Congress Association at Yadavpur (1980).
2. 70<sup>th</sup> Annual session of I. S. C. at Tirupati (1983).
3. 1<sup>st</sup> Indian Symposium of Odonatology at Madurai (1984).
4. 73<sup>rd</sup> Annual session of I. S. C. at New Delhi (1986).
5. 75<sup>th</sup> Annual session of I. S. C. at Pune (1988).
6. The 4<sup>th</sup> South Asian Symposium of Odonatology at Allahabad (1992).
7. 80<sup>th</sup> Annual session of I. S. C. at Goa (1993).
8. 81<sup>st</sup> Annual session of I. S. C. at Jaipur (1994).
9. 15<sup>th</sup> session of Academy of En. Biology at Vellayani, Trivendrum (1994).
10. 82<sup>nd</sup> Annual session of I. S. C. at Yadavpur (1995).
11. 3<sup>rd</sup> International conf. of Indian Association for Environ. Mgt. at Nagpur (1995).
12. National Seminar on "Water for Life" at Jammu University (1995).
13. National Seminar on "Impact of Mines & Thermal Power Plants on Environment at Sambalpur Univ. (1996).
14. 1<sup>st</sup> Indian Ecology Congress on "Planning for Ecological Security in 21<sup>st</sup> Century" at J. N. U., New Delhi.
15. National Seminar on "Energy Crisis & Environment Conservation" at Chennai (1997).
16. National Seminar on "Water quality & Bioresource Environment" at Dehra Dun (1997).
17. National Symposium on "Biodiversity" at Satna (1997).
18. National Symposium on "Natural Resources, Their Management & Conservation" at Etawah (1998).
19. National Symposium on "Environmental Pollution & Ecoplanning" at S.K.M. Univ., Dumka (1998).
20. National Seminar on "Environmental Impact Analysis Through Low-cost Instrumentation & Waste Minimization" at Bhopal (1999).
21. International Conference on "Environmental Problems & Perspectives for 21<sup>st</sup> Century", at Andhra University, Vishakhapatnam (1999).
22. National conference on "Aquaculture and steps to maintain high production" at W.B. University of Animal Fishery Sciences (2000).
23. National symposium on "Conservation, management and sustainable development of freshwater resources" at Bhagalpur University, Bhagalpur (2000).
24. National symposium on "Ecodegradation & population health: The challenges and management in new millennium at Purnia (2000).
25. 11<sup>th</sup> All India Congress of Zoology at B. N. Mandal University, Madhepura on "Population explosion in relation to environment & national development".
26. National seminar on "Fish health & Management" at L.N. Mithila University, Darbhanga (2001).
27. National symposium on "Recent trends in Life Sciences & biotechnology" at University of Mumbai (2001).
28. 26<sup>th</sup> National Congress of Parasitology at MJP Rohilkhand University, Bareilly (2002).
29. National seminar on "Interdisciplinary approaches in Zoological Research" at University of Kashmir, Srinagar (2003).
30. International congress of Chemistry and Environment at Indore (2003).
31. National seminar on "Inland water Resources and

Environment” at University of Kerala, Trivandrum (2004). 32. National conference on “Resource Conserving Technologies for Social Upliftment. 33. National seminar on “Conservation of Wildlife” at Amravati University, Amravati (2004). 34. 16th All India Congress of Zoology on “Invertebrates” at Dr. B. A. Marathwada University, Aurangabad (2005) 35. 7th Global Conference on “Environmental Education for Sustainable Development” at Agra (2005), 36. National Seminar on “Environmental Technology” in University of Mumbai, Mumbai (2006), 37. International conference on “Zoology, INCOZ-2006” in Bangalore University, Bangalore (2006) & 38. National seminar on “Recent advances in fish and fisheries” in BRA Bihar University, Muzaffarpur (2007).

### **(B) In Foreign Universities:**

- 1. Attended 7th International Symposium on Cladocera in University of Herzberg (Switzerland) on 3 -9 September, 2005.**
- 2. Attended 3rd International Symposium on Aquaculture in Xexiang University of China on 3 -9 June, 2006.**
- 3. Attended the International Conference at National Taiwan Ocean University, Keelung, Taiwan on 6 – 11 October, 2009.**

### **SEMINARS ORGANIZED:**

1. *First National Symposium on “ Environmental Pollution & Ecoplanning” was organized by P. G. Department of Zoology, SKMU, Dumka on 21 March 2000, in the premises of S P College which was fully organised by Dr. Arvind Kumar in the capacity of Organizing Secretary.*
2. *First International Conference on “**Recent Advances in Contemporary Biology, Environmental Pollution & Sustainable Development**” was organized in S.K.M. University, Dumka, with Dr. Kumar as the Convener, between September 28 - 30, 2007.*
3. *Againan International Conference on **Recent Trends in Life Science Research vis-à-vis National Resource Management, Sustainable Development & Human Welfare** was convened under Dr. Kumar’s chairmanship at Vinoba Bhave University, Hazaribag between June 27 - 29, 2009.*
4. *Initiated the **Chancellor Lecture Series** at Vinoba Bhave University by inviting renowned experts in their respective fields to deliver lectures in the different departments of the university.*
5. *National Seminar on **Empowerment of Tribal Women in India** has been organized under Dr. Kumar’s Chairmanship at Vinoba Bhave University, Hazaribag to be held in 7 – 8 November*

**Ph. D. STUDENTS AWARDED:                      26**

## Research Articles published in National & International journals:

No. OF PUBLISHED RESEARCH ARTICLES: More than 250

### LIST OF SOME RECENT PUBLICATIONS:

1. Kumar, A. 1996. Seasonal variations in the calorific contents of certain predatory insects in a village fish pond of Santal Pargana (Bihar). *J. Environ. Biol.* 13: 59–62.
2. Kumar, A. and Sharma, U. P. 1998. Effect of rural wastes on biological properties and nutrient status of a tribal village pond of Santal Pargana (Bihar). *Environ. & Ecol.* 10: 801-804.
3. Kumar, A. 1993. Estimation of calorific contents in the macro-invertebrates of the river Mayurakshi at Dumka. *The Indian Zool.* 17: 55-58.
4. Kumar, A. 1993. Indices of species structure in communities of Tatloi thermal springs of Santal Parganas. *Nat. Environ.* 10: 17-23.
5. Kumar, A. 1993. Limnobiological and heavy metal investigation of thermal springs of Santal Pargana, Bihar. *Uttar Pradesh J. Zool.* 13: 15-21.
6. Kumar, A. 1996. Impact of industrial pollution on the population status of endangered Gangetic Dolphin (*Platanista gangetica*) in the river Ganga in Bihar, India. *Pol. Arch. Hydrobiol.* 41 : 469 – 476.
7. Kumar, A. 1994. Analysis of gut content and dimension of food items of certain dragonfly nymphs of the river Mayurakshi of Bihar. *Proc. Nat. Aca. Sci.* B64: 269-273.
8. Kumar, A. 1994. Population density, species diversity and evenness of dragonfly nymphs in a freshwater pond of Santal Pargana, Bihar. *J. Freshwat. Biol.* 6: 231-235.
9. Kumar, A. 1994. Role of species diversity of aquatic insects in the assessment of pollution in the wetlands of Santal Pargana, Bihar. *J. Environ. Pollut.* 1:117-120.
10. Kumar, A. 1994. Drinking water pollution in tribal villages of Santal Pargana, Bihar. *Social Change.* 24: 209-215.
11. Kumar, A. & Roy, S. P. 1994. Biomass and production of aquatic insects of a lentic freshwater ecosystem in a tribal zone of Bihar, India. *Biojournal.* 6: 71-74.
12. Kumar, A., Tiwari, M.G.; Kumar Anil. 1994. Assessment of drinking water quality of four districts of Santal Pargana, Bihar. *J. Mendel.* 11: 119-121.
13. Kumar, A. 1994. The effect of sewage pollution on the ecology of river Mayurakshi in Bihar. Abs. No.40. Annual Session of Academy of Environmental Biology, held at Vellayani, Trivandrum.
14. Kumar, A. 1994. Seasonal variation in limnological properties of wetlands of Santal Parganas, Bihar. *Bioved.* 5: 45-52.
15. Kumar, A. 1994. Seasonal trends in biological and physico-chemical properties of a fish pond of Santal, Pargana, Bihar. *Acta Ecol.* 16: 50-57.
16. Kumar, A. 1994. Periodicity and abundance of rotifers in relation to certain physico-chemical characteristics of two ecologically different ponds of Santal Pargana, Bihar. *Indian J. Ecol.* 21: 54-59.
17. Kumar, A. 1994. Population dynamics of rotifer fauna from a tropical wetland of Santal Pargana, Bihar. *Acta Ecol.* 16: 133-138.
18. Kumar, A. & Singh, A. K. 1994. Studies on composition and seasonal population density of plankton in a tropical shallow pond at Dumka, Santal Pargana (Bihar). *J. Mendel.* 11: 153-155.
19. Kumar, A. 1994. Toxicity and behavioural response of *Heteropneustes fossilis* (Bloch) to copper sulphate. *J. Aq. Biol. Fish.* 1: 15-18.

20. Kumar, A. 1994. Seasonal trends in the productivity of aquatic insects in a wetland of Santal Pargana, Bihar. *Columban J. Life Sci.* 2:57-60.
21. Kumar, A. 1994. Studies on hydrobiology of certain wetlands of Santal Pargana, Bihar. *Proc. of the 81st session of the ISC, Jaipur.*
22. Kumar, A. 1995. Seasonal abundance and species diversity of zygopteran larvae (Odonata) in a fish farming pond of Santal Pargana, Bihar. *J. Ecobiol.* 7: 35-39.
23. Kumar, A. 1995. Estimation of productivity of odonate larvae of a tribal pond of Santal Parganas, Bihar. *Environ. & Ecol.* 13: 313-315.
24. Kumar, A. 1995. Studies on pollution in the river Mayurakshi in South Bihar. *J. Environ. Pollut.* 2: 21-26.
25. Kumar, A. 1995. Periodicity and abundance of plankton in relation to physico-chemical characteristics of tropical wetlands of South Bihar. *Ecol. Environ. & Cons.* 1: 47-51.
26. Kumar, A. & Pandey, R. 1995. Comparative evaluation of potable water quality of tribal and non-tribal villages of Santal Pargana, Bihar. *Ecol. Environ. & Cons.* 1: 71-74.
27. Kumar, A. 1995. Observation on the diel variations in abiotic and biotic components of the river Mayurakshi, Santal Pargana, Bihar. *Indian J. Ecol.* 22: 39-43.
28. Kumar, A. 1995. Some limnological aspects of the freshwater tropical wetlands of Santal Parganas, Bihar. *J. Environ. & Pollut.* 2:137-141.
29. Kumar, A.; Singh, A. K. & Singh, D. K. 1995. Ecology of the endangered Gangetic dolphin (*Platanista gangetica*) in the river Ganga in Bihar. *Acta Ecol.* 17: 117-129.
30. Kumar, A. 1995. Population dynamics and species diversity of odonate larvae in a fish farming pond of Santal Pargana, India. *Proc. Nat. Acad. Sci.* B65: 401 – 410.
31. Kumar, A. and Roy, S. P. 1995. O<sub>2</sub> uptake by odonate larvae in a tropical wetland of Santal Pargana (Bihar). *J. Freshwat. Biol.* 7 : 177 – 181.
32. Kumar, A. 1995. Fish fauna and hydrological conditions of the river Mayurakshi in Santal Pargana (India). *J. Inland Fish. Soc. India.* 27 : 97 – 100.
33. Kumar, A. 1995. Fish fauna, fish spawn collection and fish trade system in Santal Pargana (Bihar). *J. Aqu. Biol. Fish.* 2 : 51 – 58.
34. Kumar, A. 1995. Estimation of Oxygen consumption in Zygopteran larvae of fish pond of Santal Pargana (Bihar). *Nat. Environ.* 13: 11 – 14.
35. Kumar, A. and Kumar, Anil. 1995. Studies on water pollution in a hill stream of Santal Pargana (Bihar). *Biojournal.* 7 : 89 – 93.
36. Kumar, A. 1995. Studies on potability of hill stream water used by Pahariya tribe in Santal Pargana (Bihar). Abs. No. 14. Paper presented in National Seminar on "Water for Life" held in Jammu Univ. (J & K) on 16-17 Sept. 1995..7
37. Kumar, A. 1996. Comparative studies on diel variation of abiotic factors in lentic and lentic freshwater ecosystems of Santal Pargana (Bihar). *J. Environ. Pollut.* 3 : 53 – 56.
38. Kumar, A. and Singh, D. K. 1996. Some aspects of classification, ecology and conservation of freshwater wetlands and their socio-economic importance in Santal Pargana (Bihar). *J. Environ. Pollut.* 3 : 83 – 89.
39. Kumar, A. 1996. Impact of organic pollution on macrozoobenthos of the river Mayurakshi of Bihar. *Pollut. Res.* 15 : 85 – 88.
40. Kumar, A. 1996. Environment, population status and behaviour of the threatened Gangetic Dolphin (*Platanista gangetic*) in Bihar. *J. Ecotoxicol. Environ. Monit.* 6 : 167 – 174.
41. Kumar, A. 1996. Comparative studies on stomach content and forage-ratio of Zygopteran and Anisopteran larvae in a fish pond of Santal Pargana (Bihar) India. *Proc. Nat. Aca. Sci.* 66 : 315 – 323..2

42. Kumar, A. and Singh, A. K. 1996. Studies on diel cycle of certain physico-chemical characteristics and zooplankton in a fish pond of Santal Pargana (Bihar). *J. Freshwater. Biol.* 8 : 7 – 12.
43. Kumar, A. and Pandey, R. 1996. Impact of coal mining effluents on the freshwater ecosystems in and around Chitra coal fields in Santal Pargana (Bihar). Paper presented in National Seminar on "Impact of Coal Mining & Thermal Power Plants on Environment" at Sambalpur 22 – 24 Dec.
44. Kumar, A.; Singh, D. K, and Gupta, H. P. 1996. Impact of sewage pollution on chemistry and primary productivity of two freshwater bodies in Santal Pargana (Bihar). *Indian J. Ecol.* 23 : 86 – 92.
45. Kumar, A. 1996. Limnological profiles of a tropical fish farming pond at Dumka (Santal Pargana), Bihar. *J. Ecobiol.* 8 : 117 – 122.
46. Kumar, A. 1996. The impact of ecodegradation on the dwindling population of primitive Pahariya community in Santal Pargana (Bihar). Proceedings of 1st. Indian Ecology Congress on "Planning for Ecological Security in the 21st. Century", held in J.N.U., New Delhi on 27 – 31 Dec.'96.
47. Kumar, A. 1996. Some aspects of ecophysiology of dragonfly nymphs of Santal Pargana (Bihar). Proc. Of the 83rd session of the Indian Science Congress, Patiala (1996).
48. Kumar, A. and Singh, D. K. 1997. Estimation of organic carbon level in the macro-invertebrates of the river Mayurakshi at Dumka (Santal Pargana) Bihar. *Environ. & Ecol.* 15 : 104 – 105.
49. Kumar, A. and Roy, S. P. 1997. Energy contents of Dragonfly nymphs (*Anisopetra* : Odonate) in a tropical freshwater ecosystem of Santal Pargana Bihar. *Environ & Ecol.* 15 : 190-193.
50. Kumar, A. and Singh, A. K. 1997. Monitoring of water quality of wetlands in coal field areas of South Bihar. Proceedings of National Conference on "Water Quality & Bioresource Environment" at Dehradun on 29 – 30 March 1997.
51. Kumar, A. 1997. Investigation on the structure and function of benthic ecosystem in a tropical waterbody with special reference to organic pollution. *Indian. J. Environ. Sci.* 1:62– 71.
52. Kumar, A. 1997. Comparative hydrological studies of certain tropical waterbodies with special reference to sewage pollution in South Bihar. *J. Ecobiol.* 9 : 255 – 262.
53. Kumar, A. & Singh, A. K. 1997. Zooplankton studies in India with special reference to Chhotanagpur plateau: A Critical Review. *Environmental Management in India.* Pp. 210 – 221.
54. Kumar, A. 1997. Survey of odonate larvae of Santal Pargana with special reference to fish culture. Proceedings of National Science Congress, New Delhi 1997.
55. Kumar, A. 1997. A review of legislations and agreements on the conservation of threatends freshwater mammals (Gangetic Dolphin). *J. Nat. Cons.* 9 : 223 – 233.
56. Kumar, A. 1997. Ecological studies of a tribal village ecosystem of Santal Pargana, Dumka. *J. Environ. Poll.* 4 : 271 – 279.
57. Kumar, A. 1997. A quantitative and qualitative study of the pollution and physico-chemical conditions of the river Mayurakshi in Santal Pargana (Bihar). In: *Limnology of the Indian Rivers* (Ed. R. K. Trivedy), Enviro Media, Karad.
58. Kumar, A. 1997. The tribals and utility of medicinal plants in their day-to-day lives in Santal Pargana (Bihar). *Ecol. Environ. & Cons.* 2: 30-42.
59. Kumar, A. 1997. Studies on Pahariya tribes and their age-old socio-medical culture in Santal Pargana (Bihar). *Indian J. Cancer. Biol. Res.* 18: 109-121.
60. Kumar, A. 1998. Impact of coal mining on fish and fish farmers in and around Chitra coalmines in South Bihar. In: "Environmental Impact Assessment & Management." (Eds. B. B. Hosetli & A. Kumar). Daya Publishing House, New Delhi, pp 180 – 196.

61. Kumar, A. 1998. *Gastropods as indicators of the pollution status of some wetlands in Santal Pargana (Bihar)*. *Indian J. Environ. & EcoPlan.* 2 : 18-190.
62. Kumar, A. 1998. *Biomonitoring of pollution by aquatic insect community & micro-organism in freshwater ecosystem*. In : "Ecotechnology of Pollution Control & Environmental Management. (Eds. A. Kumar & R. K. Trivedi)" *Enviro Media, Karad.* Pp – 220 – 233.
63. Kumar, A. 1998. *Biodiversity and pollution status of Masanjore reservoir (South Bihar) in relation to certain abiotic factors of freshwater ecosystem*. *Ecol. Environ. & Cons.* 4: 139-144.
64. Kumar, A. and Bohra, C. 1998. *Impact of human activities on the limnology of the religious ponds at Basukinath Dham (Dumka), Bihar*. *Environ. & Ecol.* 16: 809-812.
65. Kumar, A. and Singh, A. K. 1999. *Role of rotifers as bio-indicators in freshwater lentic ecosystem*. In: *Modern trends in Limnology*, (Ed. K. Vijay Kumar), Ashish Pub. House, New Delhi.
66. Kumar, A. 1998. *Diversification of phytoplankton and its correlations with certain physico-chemical properties of a tribal village pond in Santal Pargana (Bihar)*. *J. Environ. Pollut.* 5: 83 - 95.
67. Kumar, A. and Singh, A. K. 1998. *Impact of sewage pollution on the water chemistry of the river Mayurakshi in Santal Pargana (Bihar)*. *Proceedings of the National Seminar on Environmental Pollution & EcoPlanning held at S. K. University, Dumka (20 –21 March 1998)*.
68. Kumar, A. 1998. *Impact of deforestation on the ecology of endangered Pahariya tribe in Santal Pargana (Bihar)*. *Proceedings of the National Seminar on Environment Pollution & EcoPlanning held at S. K. University, Dumka (20 – 21 March 1998)*.
69. Kumar, A. and Singh, R. N. 1998. *Studies on ecotoxicity of copper to aquatic biota in wetlands of Santal Pargana (Bihar)*. *Proceedings of the National Seminar on Environmental Pollution & EcoPlanning held at S. K. University, Dumka (20 –21 March 1998)*.
70. Kumar, A. and Kumari, P. 1998. *Functional analysis of the zygopteran larval population (Odonata) of a fish pond*. *Proceedings of the National Seminar on Environmental Pollution & EcoPlanning held at S. K. University, Dumka. (20 – 21 March 1998)*.
71. Kumar, A. 1998. *Qualitative and quantitative evaluation of predatory insects in two ecologically different fish ponds of Santal Pargana (Bihar)*. *J. Environ. Pollut.* 5 : 37 – 43.
72. Kumar, A. 1998. *Impact of industrial effluents on the ecology of river Ganga in Bihar*. In: *Ecology of Polluted Waters (Ed. K. D. Mishra) Technoscience Publication, Jaipur.* Pp – 87-102.
73. Kumar, A. 1999. *Comparative studies of phytoplankton in two ecologically different lentic freshwater ecosystems*. In : *Modern Trends in Environmental Pollution & EcoPlanning (Ed. A. Kumar )*. ADB Publishers, Jaipur. Pp.220-242.
74. Kumar, A. 1999. *Environmental legislation for prevention and control of pollution in India*. In : *Modern Trends in Environmental Pollution & EcoPlanning (Ed. A. Kumar )*. ADB Publishers, Jaipur. Pp.294-303.
75. Kumar, A. & Mishra, P. C. 1999. *Vermis-Vilter : A low cost clean technology for management of wastewater generated from municipal sewage*. In: *Modern Trends in Environmental Pollution & EcoPlanning (Ed. A. Kumar )*. ADB Publishers, Jaipur. Pp. 284-290.
76. Kumar, A. 1999. *Impact of coal mining effluents on the primary productivity of waterbodies and fish farming in and around Chitra coalfields in Santal Pargana, Bihar*. In: *Environmental Management in Coal Mining & Thermal Power Plants (Eds. P. C. Mishra & A. Nayak)*, Technoscience Publication, Jaipur. pp. 188-196.
77. Kumar, A. 2000. *Environment and ecology of the endangered Pahariya tribe of Santal*



- Pargana (Bihar). *Indian J. Environ. & Ecoplan.* 3 : 110-118.
78. Kumar, A. 2000. Impact of Coal Mining on the productivity of wetlands with special to acqaculture technology. In : *Industry, Environment & Pollution* (Eds. A. Kumar & P. K. Goel), ADB Publishers, Jaipur.
  79. Kumar, A. 2000. A checklist of the odonata of the eastern India. *Odonatologia.* 29: 209-214.
  80. Kumar, A. 2000. Impact of Coalmine acid drainage on the aquacultural strategies in and around Chitra open cast coal industry in Jharkhand zone of Bihar, India. In: *Industry, Environment & Pollution* (Eds. A. Kumar & P. K. Goel), Technoscience Publications, Jaipur. Pp. 186 – 210.
  81. Kumar, A. 2000. Impact assessment of coal mining effluents on the aquatic biodiversity and primary productivity of freshwater natural resources. *Proceedings of the National seminar on “Aquaculture and steps to maintain high production” at W. B. University of Animal & fishery Sciences (21 – 23 Jan. 2K).*
  82. Kumar, A. 2000. Essentials of environment impact assessment studies relation to aqua culture strategic. *Proceedings of the National seminar on “Aquaculture and steps to maintain high production” at W.B. University of Animal & fishery Sciences (21 – 23 Jan. 2K).*
  83. Kumar, A. 2000. Environment Impact assessment of coal mining on physico-chemical characteristics of soil in and around chitra coal mining. *Proceeding of National symposium on “Conservation, Management & Sustainable development” at Bhagalpur University, Bhagalpur (24-26 March, 2K).*
  84. Kumar, A. & Bohra, C. 2000. Seasonal trends in biological & physico – chemical parameters of an ancient derelict pond at Barharwa. *Proceeding of National symposium on “Conservation, Management & Sustainable development” at Bhagalpur University, Bhagalpur (24-26 March, 2K).*
  85. Kumar, A; Singh, A.K. & Kumari, P. 2000. Aquacultural Strategies in new millenium for the river Mayurakshi in tribal dominated zone of South Bihar for sustainable development of fish production. *Proceeding of National symposium on “Conservation, management & sustainable development” at Bhagalpur University, Bhagalpur (24-26 March, 2K).*
  86. Kumar, A; Singh A.K. & Bohra, C. 2000. Investigation on impact of sewage pollution on community structure and population dynamics of gastropods in lentic freshwater ecosystems of S. Bihar. *Proceeding of National symposium on “Conservation, management & sustainable development” at Bhagalpur University, Bhagalpur (24-26 March, 2K).*
  87. Kumar, A. 2000. Impact of industrialization on tribal groups of South Bihar. *Proceeding of the National Seminar on “ Eco-degradation and Population health” at Purnia (14-16 April, 2K).*
  88. Kumar, A. & Bohra, C. 2000. Strategies for the conservation of biodiversity in the new millenium. *Proceeding of the National Seminar on “ Eco-degradation and Population health” at Purnia (14-16 April, 2K).*
  89. Kumar, A. & Kumari, P. 2000. Construction of ficade of environment in consequence of ecodegradation in general. *Proceeding of the National Seminar on “ Eco-degradation and Population health” at Purnia (14-16 April, 2K).*
  90. Kumar, A. & Bohra, C. 2000. Limnological strategies of an ancient derelict pond in Jharkhand Pradesh of India. *Indian J. Environ. & Ecoplan.* 3 (1) : 67– 79.
  91. Kumar, A. & Verma, M. 2000. Characterisation of copper mining and its environmental impacts. *Indian J. Environ. & Ecoplan.* 3 : 779 – 786.
  92. Kumar, A.; Singh, A. K. & Kumari, P. 2001. Significance of macrozoobenthos as bioindicator of pollution in lotic freshwater ecosystems. In: *Current Topics of Environmental Biology.* (Eds. G. Tripathi & G. C. Pandey), ABD Publishers, Jaipur. Pp. 33-68.

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**BOOKSAUTHORED/EDITED: More than 112**

<b>Sl. No.</b>	<b>Title of the Book</b>	<b>Name of the Publisher</b>
1	<i>A Text Book of Environmental Science.</i>	<i>Ashish Publishing House, New Delhi</i>
2	<i>A Text Book on Applied Aquatic Biology.</i>	<i>Daya Publishing House, New Delhi</i>
3	<i>Modern Trends in Environmental Pollution &amp; EcoPlanning.</i>	<i>Oxford Publication, Jaipur</i>
4	<i>Environmental Impact Assessment &amp; Management.</i>	<i>Daya Publishing House, New Delhi</i>
5	<i>Industry, Environment &amp; Pollution.</i>	<i>Enviro Media, Karad</i>
6	<i>Ecotechnology for Pollution Control &amp; Environ. Mgt.</i>	<i>Enviro Media, Karad</i>
7	<i>Ecology &amp; Conservation of Lakes, Reservoirs &amp; Rivers ( Vol. I ).</i>	<i>Ashish Publishing House, New Delhi</i>
8	<i>Ecology &amp; Conservation of Lakes, Reservoirs &amp; Rivers ( Vol. II ).</i>	<i>Ashish Publishing House, New Delhi</i>
9	<i>Ecology and Ethology of Aquatic Biota ( Vol. I ).</i>	<i>Daya Publishing House, New Delhi</i>
10	<i>Ecology and Ethology of Aquatic Biota ( Vol. II )</i>	<i>Daya Publishing House, New Delhi</i>
11	<i>Ecology of Polluted Waters ( Vol. I ).</i>	<i>Ashish Publishing House, New Delhi</i>
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27	<i>Fishery Management.</i>	<i>University Press, New Delhi</i>
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60	<i>Ecobiology of Polluted Waters</i>	<i>Shree Publishers, New Delhi</i>
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He had also written five books in Hindi version and dedicated to the upliftment of the nation, such as;

- (1) झारखंड के जनजातीय जीवन एवं दर्शन
- (2) झारखंड के जनजातीय धर्म एवं देवी-देवता
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- (5) झारखंड के आदिवासियों में धर्म का आविर्भाव

### **Books Released by Eminent Personalty:**

1. "A text Book of Aquatic Biology" released by 1st Governor of Jharkhand, **Shri Prabhat Kumar** on 15.11.2001.
2. "Dimensions of Environmental Threats" released by 2nd Governor of Jharkhand **Shri Ved Marvah** on 30.6.2003.
3. "Ecology of Plankton" released by Nobel laureate Professor **Mr. Piet Spaak** in Hertzberg University (Switzerland) on 9. 9.2005.
4. "Environmental Challenges of 21st Century" released by **Shri M. V. Ranganathan**, Hon'ble Minister of Environment, Govt of Karnataka on 29.12.2002.
5. "Ecology of Polluted Waters" released by **Shri K. K. Pandey**, Hon'ble Vice-Chancellor-cum-Commissioner, SKM University, Dumka on 21.3.1998.
6. "Oceanic Disaster" released by **Dr. P. C. Hembram**, Hon'ble Vice Chancellor, SKMU, Dumka on 5.3.2005.
7. "Global Warming" released by His Excellency Governor of Jharkhand, **Shri Syed Sibte Razi** on 27.06.2009 during International conference.
8. "Integrated Environmental Management" released by Hon'ble Vice-Chancellor, **Prof. Wen-Tsuen Chen** during International Conference held in National Ocean University, Keelung, Taiwan on 09.10.2009.
9. "Disaster Ecology & Management" released by **Dr. F. Z. Ayubi**, Chancellor of Kabul University, Afganistan during the occasion of 38<sup>th</sup> Convocation of Magadh University, Bodh Gaya on 5.5.2011.

10. “**Environment, Pollution & Management**” released by His Excellency **Mr. Jozef Drofenik**, Ambassador of Slovenia on 6 June, 2017 during World Clean Environment Summit in New Delhi.

11. “**Aquaculture & Fisheries**” released by Dr. P. R. Trivedy, President, Cofederation of Indian Universities, New Delhi and His Excellency **Mr. Mr. El Hadji Ibou Boye**, Ambassador of Senegal on 5 September, 2017 during World Education Convention, 2017 in New Delhi.

12. “**Pandit Deendyal Upadhyay aur Unki eEatmavad ki Awadharana**” released by **Dr. Harsh Vardhan**, Union Minister for DST & DOE, New Delhi and **Shri INDRESH KUMAR**, National Executive Member of RSS on the auspicious occasion of Hindi Diwas on 14 Septem

### **JOURNALISM in RESEARCHFIELD:**

**Editor-in-Chief : International Journal of Applied Sciences & Ecoplanning  
(ISSN:0984-986)**

**Chief Editor : Journal of Current Sciences (ISSN:0972-6101)**

**Editor : Indian journal of Environment Management (ISSN:0972-1215)**

**Member on the Editorial Board of National & International journals:**

**(1) Journal of the Pennsylvania Academy of Sciences (2) Nature Environment & Pollution Technology (3) Indian Journal of Environmental Sciences (4) Journal of Applied Zool. Research (5) Himalayan Journal of Zoology & Environmental Sciences. (6) Environment Conservation Journal (7) Acta Ecologica (8) Journal of Microbial World (9) National Journal of Life Sciences.**

**MEMBERSHIPS & POSITIONS:**

**(a) Elected President : 1. International Society for Ecological Communications.**

**2. Tribal Eco-conservation Society Dumka, Jharkhand.**

**3. S.K.M. University Teachers' Association 1994 for 3 yrs.**

**(b) Elected Secretary General : 1. Association for Environmental Sciences, India.**

**2. Society for Sciences, Dumka, Jharkhand.**

**© Member 1. Jharkhand State Pollution Control Board, Ranchi.**

**2. Senator, Vinoba Bhave University, Hazaribag.**

**3. Senator, Magadh University, BodhGaya.**

**(d) Chancellor's nominee in the board of experts for the professorship in Barkatullah University, Bhopal.**

**(e) Worked as a member of the Statutes Committee at S.K.M. University, Dumka from 05.04.2005.**

**(f) Nominated as a member of the Advisory board for Syllabus Committee under new Guide lines of U.G.C. by Governor-cum-Chancellor of Universities of Jharkhand, Ranchi.**

## **FOREIGN UNIVERSITIES VISITED:**

<b>Sl. No.</b>	<b>Name of the University</b>	<b>City&amp; Country</b>	<b>Duration &amp; Time of visit</b>	<b>Purpose and objective of visit</b>
1	University of Herzberg	SWITZERLAND	June 2005	To deliver Lectures
2	Zoological Institute, Basel	SWITZERLAND	June 2005	Do
3	Institute of Limnology, Eawag, Dubendorf	SWITZERLAND	June 2005	Do
4	Zoological Institute, Frankfurt	GERMANY	June 2005	Do
5	Institute of Hydrobiol. Dresden	GERMANY	June 2005	Do
6	Humboldt University, Berlin	GERMANY	June 2005	Do
7	University of Milano	ITALY	June 2005	Do
8	University of Savoie	FRANCE	June 2005	Do
9	Xexiang University	CHINA	Sept. 2007	Do
10	National University	SINGAPORE	Sept. 2007	Do
11	National Ocean University	TAIWAN	Oct. 2009	Do

## **A Committed Knowledge Worker : Some Significant Milestones**

**(1) Dr. Kumar is the First University Professor in Bihar & Jharkhand who has been nominated as a Member of Editorial Board & Reviewer of about dozen foreign scientific journals, such as:**

*Asian Journal of Animal Sciences, International Journal of Zoological Research, Journal of Fisheries & Aquatic Science, Research Journal of Environmental Sciences, Research Journal of Environmental Toxicology, Asian Journal of Scientific Research, Journal of Pennsylvania Academy of Science, etc..*

(2) *First in the history of Jharkhand, he is the first University Professor in Jharkhand who have organised first International National Conference in SKMU, Dumka “Recent Advances in Contemporary Biology, Environmental Pollution & Sustainable Development” 28-30 September, 2007” during which the scientists of 11 countries like Germany, France, Malaysia, Saudi Arabia, China, Japan, Netherlands, Nepaletc and 24 states if India participated.*

(3) *First in the history of Jharkhand, he had been made Chairman of a Technical Session during last International Symposium on “Cage Aquaculture in Asia” in China, which is not only pride of Jharkhand but also for India. In addition to it, my presentation during this symposium has treated one of the best one in Asia, that is why, his photograph had been published along with a Nobel Laurate Professor Yngvar Olsen of Sintef University, Norway in Post Conference Report.*

(4) *For the first time in SKMU, Dr. Kumar has been nominated as one of the eminent members in the International Network of Scientists for doing research on Environment and Agricultural issue by Institute of Horticultural Sciences, Berlin, Germany.*

(5) *First in the history of SKMU, Dumka, Prof. Kumar has been honoured by hon’ble V.C. of SKMU, Dr. P. C. Hembram for my outstanding research work and for getting Dr. Z. A. Qasim Gold Medal On 5.3.2005 from S. B. B. P. University of Agriculture & Technology, Meerut (U. P.).*

(6) *First in the history of VBU, Hazaribag, he has started the teaching of MBA, MCA, M.ED and Law in the campus. I have established University College of Engineering in the campus which makes the university 1st in Jharkhand state.*

(7) *First in the history of VBU, Hazaribag, Dr. Kumar had organized an International Conference on “Impact of Global Warming on Climate” in which 545 scholars from India and 17 from abroad.*

*(8) First in the history of Magadh University, he has created a new history in Magadh University, Bodh-Gaya by obtaining **Lord Buddha chair of Professorship** in the Department of Buddhist Studies during the visit of Hon'ble His Excellency **Shri Jigmi Y. Thinley, Prime Minister of Bhutan.***

**Website:**

***<http://arvindkumarvc.com/>***

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

***Cell – 9334240405 & 9470111101***

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