

CURRICULUM VITAE

A. GENERAL INFORMATIONS

Name- **Dr. (Mrs.) Aditi (Niyogi) Poddar**
Designation- Professor
Date of Birth- 31-07-1959
Address-
Residence- 377/1, Cross Street 3, Pragati Nagar, Risali,
Bhilai, (C.G.)
Telephone- 0788-2272216,
Mobile: (91) 9826643763;(91)8839440215.
Office- Parasitology and Toxicology Lab,
SoS in Lifesciences, Pt. Ravishankar Shukla
University, Raipur (CG).
Telephone- 0771-2262631-107
E Mail: adinpod@gmail.com
Qualifications- MSc., PhD. (Bioscience)
Specialization- Parasitology and Immunology

B. ACADEMIC QUALIFICATIONS

Exam passed	Board/university	Subjects	Year
<i>HSSC</i>	MP Board of Secondary Education, Bhopal	Phy, Chem, Bio, Eng, Hindi	1975
<i>BSc.</i>	Pt. Ravishankar Shukla University, Raipur (CG).	Botany, Zoology, Chemistry, English	1978
<i>MSc.</i>	Pt. Ravishankar Shukla University, Raipur (CG).	BioScience (Parasitology and Immunology)	1980
<i>PhD</i>	Pt. Ravishankar Shukla University, Raipur (CG).	BioScience	1984
Diploma	Pt. Ravishankar Shukla University, Raipur (CG).	Russian	1982

C. EMPLOYMENT

Joined the SOS Life science as-

Lecturer - 31-07-1984

Sr. Lecturer - 31-07-1989

Reader - 27-07-1998

Associate Professor – 1-1-2006

Professor- 01-07-2012

Present Scale - Basic-Rs. 2,18,200/ -pm)

D. RESEARCH EXPERIENCE 42 years

Title of thesis- Biochemistry of Caryophyllaeids and pathophysiology of the host *Clarias batrachus* (Linn.).

Place of work- Parasitology Laboratory, SoS in Lifesciences, Pt. RSU , Raipur.

Guide- Prof. S.M. Agarwal, Ex-Head, SoS in Lifesciences & Ex-Vice Chancellor, Pt. RSU, Raipur.

E.FIELD OF RESEARCH

- Parasitic diseases, Fish physiology, Environmental toxicology.

F.SKILLS

- Proficiency in oratory and writing skills (Hindi and English).
- Excellent teaching ability accompanied with counseling, motivational and guidance capabilities.
- Appointed Trainer Associate(Western zone) for Sensitization ,Awareness and Motivation (SAM) of women managers in higher education by UGC
- Possess the ability to handle important Parasitological, Immunological, Biochemical, Pathological and molecular biology techniques.

G. PROJECTS

1) Completed-

1. Comparative physiology of two food fishes *Clarias batrachus* (Linn.) and *Heteropneustes fossilis* (Bloch).(MRP,UGC unassigned grant of Pt. RSU, 1997-1999)
2. Survey and pathophysiology of plant diseases due to nematodes in Chhattisgarh. MRP Sponsored by Chhattisgarh

Council of Science and Technology, Raipur (CG).Period-3 years ,10 months(Sep.2006-June 2010)*

*This was a pioneer work in the state of Chhattisgarh (India)

3. Environmental pathway and human response studies on impact of water borne fluoride amongst inhabitants of Korba, Chhattisgarh. Inter disciplinary MRP Sponsored by Chhattisgarh Council of Science and Technology, Raipur (CG).Period-3 years (Dec.,2013-Nov.,2016)

H. RESEARCH GUIDANCE

Dissertations submitted under guidance for the degree of-

(1) M.Sc.-

1. Bindiya Shah (2004): Serum amino acid profiles of two food fishes, *Clarias batrachus*(Linn.) and *Heteropneustes fossilis* (Bloch).
2. Deepti Pendagade (2006): Serum electrophoresis of *Clarias batrachus* and *Heteropneustes fossilis*.
3. Deepti Mishra (2007): Effect of neem bark extract on the hematology of *Clarias batrachus* (Linn.).
4. Vijay Khewar(2011): Effect of steel plant effluent on transaminases of *Channa punctatus* (Bloch).
5. Gamini Sahu (2012): Prevalence of root knot nematode disease and morphometry of female nematodes from vegetable crops belonging to villages within and outskirts of Abhanpur block of Chhattisgarh.
6. Varsha Bohra (2013): Nematicidal potential of rhizospheric fungal isolates from Tomato: Assessment against the Root Knot Nematode, *Meloidogyne incognita*.

(2) Master of Philosophy.-

1. Manisha Agarwal(1988): Studies on the lifecycle of an Echinostome from *Bubulcus ibis* (Linn.).
2. Sheela Pandey (1989): Studies on the lipid composition of *Lytocestus indicus* Moghe,1925, (Lytocestidae: Caryophyllidea).
3. Anuradha Gupta (1990): Studies on some aspects of blood physiology of *Clarias batrachus*(Linn.) and *Heteropneustes fossilis* (Bloch).
4. Usha Baghel (1992): Osmotic behavior of *Lytocestus indicus* (Caryophyllidea: Cestoda) and an analysis of its excretory products.
5. Sanju Sinha (1993): Osmoionic behavior in Caryophyllids (*Lytocestus indicus* and *Introvertus raipurensis*).

6. SR Kannoje (1995): Studies on the intermediate hosts of Caryophyllaeids.
7. Shantamma Joseph (2009): Isolation and identification of rhizospheric fungi of some vegetable crops in Chhattisgarh and assessment of the nematicidal potential of selected isolates.
8. Chetna Bakde (2010): Effect of steel plant effluent on the acid and alkaline phosphatases of target organs of *Cyprinus carpio* Linn.1758.
9. Sarita Sahu (2011): Isolation and identification of Rhizospheric fungi associated with Root-knot nematodes of some vegetable crops from Kanker district of Chhattisgarh.
10. Usha Bharti (2011): Effect of steel plant effluent on the haematology of *Clarias gariepinus* Brucell,1822.”
11. Preeti Chandrakar (2012): Effect of Coke oven effluent of Bhilai Steel Plant on serum gammaglobulin and A/G Ratio of *Clarias batrachus* Linn.1758.
12. Gamini Sahu (2013): Effect of Sodium Fluoride on total protein and Albumin Globulin ratio of *Clarias batrachus* (Linn.)1758.

(3) Students registered for PhD-

1. Anurag Mishra (2022): Combined toxicity of Mercury and Fluoride in the Cat fish *Clarias batrachus* Linn.
2. Santosh Kumar Krapgye (2022): Hematological and histopathological alterations in *Cyprinus carpio* in response to acid mine drainage from Copper mines.

(4) PhD awarded-

1. Priti Xalxo (2012): Host- parasite relationships of Root knot nematodes in Cucurbits. SRF-RGNF.
2. Reena Sao (2013): Survey and pathophysiology of root-knot nematode infestation in vegetable crops in the district Durg of Chhattisgarh. PRSU Fellowship
3. Alka Mishra (2014): Effect of environmental stressors on a food fish *Channa punctatus* (Bloch), with particular reference to phenolic industrial wastes.
4. Surendra Kumar Gautam (2016): Biochemical variations in Root-Knot of Bitter Gourd (*Momordica charantia*) infected with Nematode (*Meloidogyne incognita*)
5. Ms. Shivani Gupta (2017): Environmental pathway and human response studies on impact of water borne fluoride amongst inhabitants of Korba, Chhattisgarh.

6. Ms. Gamini Sahu (2020): Toxicological effects of Fluoride and Arsenic on the food fish *Clarias batrachus* (Burchell, 1822).
7. Ms. Purva Mishra (2022): Toxicokinetics of arsenic & fluoride on cat fish *Clarias batrachus* (Linnaeus, 1758).

I. TEACHING EXPERIENCE

- UG (Hons.) -5 years
- PG-38 years (since 1984)
- M.Phil-15 years.(1987- 1995,2006-2013).
- PhD /M.Phil Course work-10 years
- UGC-CSIR NET coaching classes by university (6 months)
- PMT coaching classes by university (6 months)

J. SUBJECTS TAUGHT

- 1.Parasitology (General, Medical and Molecular)
- 2.Immunology
- 3.Medical Microbiology
- 4.Evolution
- 5.Environmental science
- 6.Environmental Biochemistry
- 7.Environmental Toxicology
- 8.Animal physiology
- 9.Research Methodology

K. REFRESHER COURSES ATTENDED

1. RC in Life sciences- Rani Durgawati University, Jabalpur, (M.P.) Apr. 19-May 9, 1995 (3Weeks).
2. RC in Life sciences- Guru Nanak Dev University, Amritsar (Punjab), Nov. 2-22, 2000 (3 weeks).
3. RC in Lifesciences- Jawaharlal Nehru University, New Delhi. Dec .31st., 2001 - Jan 25th , 2002 (4 weeks).
4. RC in Environmental Sciences-Pt. Ravishankar Shukla University, Raipur Mar. 3rd – 23rd , 2005 (3 Weeks).

L. WORKSHOPS / TRAINING COURSES/SYMPOSIA ATTENDED

- 1) As Participant-

1. COMPACT computer training program for university employees, Pt. RSU, Raipur (C.G.); July 14- Aug. 14, 1999 (4 weeks).
2. UGC sponsored Sensitization/motivation/awareness (SAM) workshop on “Capacity building of women managers in higher education”. Pt. RSU, Raipur (C.G.); July 21- 25, 2009 (5 days).
3. UGC sponsored Training of trainers’ workshop on “Capacity building of women managers in higher education”. Tata Institute of Social Sciences, Mumbai, Jan 4-9, 2010 (6 days).
4. CGECB sponsored International Symposium on Novel Approaches to Air Quality Management and Improvement in India, organized by SoS in Chemistry, PRSU, Raipur and DRI, USA, Sept 5-11, 2011.
5. UGC sponsored workshop one day on Science Citation Index, Impact Factor, Citation Index and h- Index of research publications, organized by ASC, PRSU, Raipur .Sept 10, 2011.
6. One day workshop cum training on SYSTAT 13 ,organized by IQAC, PRSU, Raipur, Aug 27th ,2015.
7. State level multistakeholder consultation on Education for combating violence against women and girls for creating lasting peace within home and society, Global 16 days activism against gender based violence, organized by Oxfam India, IPAC, New Delhi and CWS, PRSU Raipur, Nov 25-Dec 10th 2015.
8. SFEC-2016, 3rd International congress society of Ethnopharmacology, organized by NCNR, PRSU and SFE, India. Feb 19-21 , 2016.

2) As Resource person-

1. UGC sponsored Sensitization/motivation/awareness (SAM) workshop on “Capacity building of women managers in higher education”. DV Girls PG College, Raipur (C.G.); Oct 5-9, 2010 (5 days). Topic- “Women and Research, Module III and IV.
2. UGC sponsored Orientation Program, Academic Staff College, Pt. RSU, Raipur (C.G.). Topic-Evaluation of Microteaching methods (2011 and 2012).
3. Chief Guest, Inaugural ceremony of Botanical Association, Department of Botany, Bhilai Mahila Mahavidyalaya, Bhilai (CG). Popular Lecture- Home Sweet Home, but is it safe?(2011).
4. Invited lecture in Department of Zoology, Government Nagarjuna Science PG College, Raipur .Topic-Host Parasite Relationships.

5. Lecture series of Orientation Workshop Program, Chhattisgarh Council of Science centre, Raipur (CG) Sept., 29th, 2015. Topic- Poisoned Waters. Time to wake up.
6. UGC sponsored Refresher course in Homescience, Academic Staff College, Pt. RSU, Raipur (C.G.). Topic-Evaluation of Microteaching methods (Sept. 2021).
7. UGC sponsored Refresher course in Biotechnology, Academic Staff College, Pt. RSU, Raipur (C.G.). Topic-Seminar Evaluation (Dec., 2021).

M. SEMINARS / CONFERENCES /WORKSHOPS ORGANIZED

1) Member Organizing Committee-

1. VII National Congress of Parasitology, December, 26-28, 1986, SOS Life Sciences, Pt.RSU, Raipur (C.G.).
2. International Symposium on current status of Chronobiology, November, 24-26, 1990, SOS, Life Sciences, Pt.RSU, Raipur (C.G.).
3. IUFRO symposium on Innovations in forest tree seed Science and nursery technology, November, 22-25, 1997, SOS Life Science, Pt.RSU, Raipur (C.G.).
4. National seminar on emerging challenges before Indian women (Women Empowerment Year, 2001), November, 1-2, 2001, Center for Women studies, Pt. RSU, Raipur.
5. National Conference on Innovations and Prospects in Lifesciences, December 14-16, 2002, SOS Life Science, Pt.RSU, Raipur (C.G.).
6. XV National Symposium on Chronobiology, October, 20-21, 2003, SOS Life Sciences, Pt.RSU, Raipur (C.G.).
7. Symposium on role of NGO's on the development of women (International Women's Day, 8th March, 2004), Center for Women studies, Pt.RSU, Raipur (C.G.).
8. International symposium on Biospeliology, November, 25-30, 2004, SOS Life sciences, Pt.RSU, Raipur.India.
9. One day seminar on "Managing personal and professional roles" (International Women's Day, 8th March, 2007), Center for Women studies, Pt.RSU, Raipur (C.G.).
10. XVI National symposium on Chronobiology, December, 27-29, 2008, SOS Life sciences, Pt.RSU, Raipur, India.
11. One day seminar on "Legal rights of women" (International Women's Day, 8th March, 2010), Center for Women studies, Pt.RSU, Raipur (C.G.).

12. VIII Chhattisgarh Young Scientist Congress, April, 9-10, 2010, Pt.RSU, Raipur (C.G.).
13. DST sponsored INSPIRE internship summer camps for school children. June 4-8 and 10-14, 2010, Pt.RSU, Raipur (C.G.).
14. UGC National Seminar on Examination Reforms, 7-9, March, 2011, Pt.RSU, Raipur (C.G.).
15. National conference on advances in Biological Sciences. 5-7, November, 2011, Pt.RSU, Raipur (CG)
16. National conference on Rabindranath Tagore and rural development. Feb., 20-22, 2013. Pt.RSU and State Resource Centre, CG, Pt.RSU, Raipur (CG)
17. One day national seminar on Carbon credit and Food security. March 22, 2013. Pt.RSU, Raipur (CG).
18. Second National conference on Recent Advances in Biological Sciences. November 25-27, 2013. SoS in Life sciences (Commemoration of the Golden jubilee year, Pt. RSU, Raipur).
19. Central Zone Vice Chancellor's meet, 2013-14. December, 4-5, 2013. Association of Indian Universities and Pt.RSU, Raipur (C.G.).
20. National seminar on the Philosophy of Nagarjuna. January, 13-15, 2014. SoS in Ancient Indian History, Culture and Archaeology, Pt.RSU, Raipur, Chhattisgarh tourism board and Central university of Tibetan studies, Sarnath (UP) (Commemoration of the Golden jubilee year of Pt. RSU, Raipur).
21. National seminar on Gender Norms and Gender Equality. February, 6-8, 2018 Organized by Centre for women's studies, Pt.RSU and Oxfam India.

2) Member Advisory Committee-

1. Interdisciplinary national seminar on Impact of Agrochemicals on Ecosystems, 23-24 Aug., 2013. Organized by SSSS Mahavidyalaya, Hudco, Bhilai (CG)

3) Co-Convener-

1. National Conference on Innovations and prospects in Life Sciences December, 14-16, 2002, SOS Life Sciences, Pt.RSU, Raipur (C.G.) (Commemoration of the Silver jubilee year of the SOS in Life Sciences).
2. National symposium on Biodiversity: Current status and prospects. October, 17 - 18, 2005, SOS Life Sciences, Pt.RSU, Raipur (C.G.).

4) Moderator, Technical and Scientific Sessions-

1. DST sponsored INSPIRE internship summer camps for school children. June 4-8 and 10-14,2010 , Pt.RSU, Raipur (C.G.).
2. DST sponsored INSPIRE internship winter camps for school children. December, 2-6 and 15-19,2010, ,Pt.RSU, Raipur (C.G.).

5) Coordinator Scientific Sessions-

1. The 47th Annual Convention of Chemists and International Conference on Recent Advances in Chemical Sciences. December, 23-27,2010. Indian Chemical Society, Kolkata and Pt.RSU, Raipur (C.G.).
2. National conference on advances in Biological Sciences. November,5-7, 2011,Pt.RSU,Raipur(CG)
3. Second National conference on Recent Advances in Biological Sciences. November 25-27, 2013. SoS in Life sciences (Commemoration of the Golden jubilee year ,Pt. RSU, Raipur).

6) Chief coordinator –

1. National conference on Role of women in national development in the new millennium. January, 10-12,2013. Centre for women studies, Pt.RSU and SHAKTI (women's wing of VIBHA).
2. Public outreach panel discussion on Sexual offences: Trials Law, rehabilitation, Media and masses. Mar.,8,2013 (International Women's Day). Center for women studies ,Pt.RSU, Raipur.

7) Organizing Secretary-

- 1.National symposium on women as leaders: Roles ,Issues and Concerns.February,5-7,2014. Organized by Center for women studies,Pt.RSU. (Commemoration of the Golden jubilee year of Pt. RSU, Raipur).

8) Joint Secretary-

XIIth Chhattisgarh Young scientist congress, February, 17-19, 2014. Organized by Pt. Ravishankar Shukla University, Raipur.

N. MEMBERSHIP OF UNIVERSITY ADMINISTRATIVE BODIES

1. Professor and Head, SoS in Lifescience ,PRSU,Raipur
2. Associate Director , Centre for women studies, Pt.RSU
3. Coordinator, Q/P distribution center of Pt RSU at VYT Arts and Science PG College Durg (2005-2009).
4. Observer, Admission card Distribution Center, B. Ed Examinations, Ghanshyam Singh Arya Arts and Commerce College, Durg (2007).
5. University representative at the governing body of private Colleges (2007 till date)
6. Chairperson, Internal Complaints Committee for Redressal of Sexual Harassment at workplace, Pt.RSU ,Raipur (2019-22).
7. Member, Internal Complaints Committee for Redressal of Sexual Harassment at workplace, Pt.RSU ,Raipur (2010-2022).
8. Member, Standing committee, Centre for women studies, Pt.RSU ,Raipur (2010 till date).
9. Member, Advisory Committee, Centre for women studies, Pt.RSU ,Raipur.
10. Chairperson, Anti ragging Committee, SoS in Life science, Pt.RSU ,Raipur.
11. Chairperson, Grievance Redressal Cell, SoS in Life science, Pt.RSU ,Raipur (2018-till date).
12. Chairperson, Staff Council, SoS in Life science, Pt.RSU ,Raipur
13. Incharge, Student Feedback, SoS in Lifesciences, Pt.RSU ,Raipur.
14. Incharge, Student Cultural activities, SoS in Lifesciences, Pt.RSU,Raipur.
15. Coordinator ,Feedback Cell, IQAC, Pt.RSU, Raipur

O. MEMBERSHIP OF UNIVERSITY ACADEMIC BODIES

1. Dean, Faculty of Lifescience, PRSU, Raipur
2. Subject Expert, in Microbiology for inspection of Private Colleges in the state.
3. Vice Chancellor Academic Nominee, Selection Board for faculty under Section 28 A in private colleges.
4. Vice Chancellor Nominee, Examination Committee (Bioscience).
5. Vice Chancellor Nominee, Academic Council, DB girl's autonomous PG College, Raipur.
6. Member, Alumni Interaction Committee, National Accreditation Assessment Committee (NAAC) Peer Team visit, Sep 19-23,2010.
7. Member Expert, Board of Studies in Biochemistry, VYT Autonomous PG College, Durg(CG).

8. Member, Board of Studies in Biosciences, Pt.RSU Raipur(CG).
9. Chairperson, DRC, SoS in Life science, Pt.RSU ,Raipur
10. President, Life Science Alumni Association

P. EXAMINER APPOINTED FOR PG AND UG

1. Bastar University,Jagdalpur (CG)-Microbiology.
2. Indira Gandhi Agricultural University, Raipur(CG)-Fisheries
3. Pandit Ravishankar Shukla University,Raipur(CG) in Microbiology,Zoology,Biochemistry,BioScience
4. Durg University,Durg (CG)- Microbiology,Zoology,Biochemistry
5. Sambalpur university ,Sambalpur,Odisha -PhD Zoology

Q. RECOGNIZED GUIDE FOR PHD

Subjects –Bioscience,Zoology,Biochemistry.

R. MEMBER EDITORIAL BOARD

1. Technical Editor, Journal of Fisheries and Aquatic Sciences, Science alert, New York, USA
2. Technical Editor, Research Journal in Parasitology, Science alert, New York, USA
3. Technical Editor, Research Journal of Environmental Sciences, Science alert, New York, USA
4. Technical Editor, Asian Journal of Biological Sciences, Science alert, New York, USA
5. Editor in Chief, MYNA (A biannual Wall Magazine of the SoS in Life science, a pioneer effort in the university).
6. Editor, CHITROTPALA (A biannual E newsletter of Pt. RSU)

S. PUBLIC OUTREACH ACTIVITIES

1) Popular articles written in Newspapers-

1. The most vulnerable species: The Indian woman of the new millennium. In: Features, Central Chronicle, Main edition dated 24th Jan, 2013.
2. Unethical professionalism and societal degradation: Our choice or destiny. In Leisure, Central Chronicle, Main edition dated 18th May,2013.

3. Sixty six years of independence, a heaven of freedom, a dream lost or found? In: The Big Picture , Special Independence Day issue, Central Chronicle, Bilaspur, dated 14th August 2013.
4. Bearing the trauma : Our choice or destiny .In: Women, Central Chronicle,Main Edition,dated 18th Sept.2013.

2) Online Blogs written on burning issues in Asian intellectual forums (Intellects Abode available at: <http://indian-college-teachers.ning.com/>)

1. India, the biggest democracy, is the "fourth most dangerous country" in the world for women to live according to a global poll conducted by Thomson Reuters. Who is to be blamed? Dated Dec.20th ,2012.
2. Freedom of Expression and Power of Self discipline! Where is the LOC? Dated Sep.16th ,2012.
3. Sixty five years of independence, a heaven of freedom, a dream lost or found. Dated Aug.15th ,2012.
4. Unethical professionalism and a degrading Indian society, where each one of us is playing with the other's right to existence. Who is responsible? What is our role as teachers and parents? Leaders are born or created: A teacher's responsibility in the present political scenario. Dated May 27th,2012.
5. Save the woman in your life. Dated Dec 1st,2011.
6. Idol immersion and aquatic toxicity!! Isnt it time to wake up? Dated Jan. 2nd,2011.
7. Ragging is a menace and reflects the pervert young mind. Who is to be blamed for nurturing this perversion? Dated Sep 10th,2010.

3) Talks for creation of Awareness

1. Invited by NAWO (National Alliance for Women, CG Chapter) as Guest of honor for addressing women of all walks of life to rise against Gender injustice and violence on the occasion of Worldwide One Billion Rising (a global platform) dated 14th Feb, 2014.
2. Invited by Chhattisgarh Regional Science Centre Society, Department of Science and Technology, Govt. of Chhattisgarh dated 29th Sept,2015.Topic :Poisoned Waters: Time to wake up (Vishakt Amrit: Ab to Jaago!).

T. LIST OF PUBLICATIONS

- 1) **Niyogi, A.**, Gupta, A.K. and S.M. Agarwal (1982a): Population dynamics of Caryophyllids parasitizing *Clarias batrachus* at Raipur. Geobios New Reports, 1, 81-93 [Citations 06].
- 2) **Niyogi, A.**, Gupta, A.K. and S.M. Agarwal (1982b): Morphology of *Lucknowia indica* sp.nov. (Lytocestidae:Caryophyllidea). Proceedings of the Indian Academy of Parasitology, 3(1&2), 17-22. [Citations 04].
- 3) Gupta, A.K., **Niyogi, A.**, Chetty, S.R., Gaur, A.S. and S.M. Agarwal (1982): Free amino acids and protein hydrolyzates of *Isoparorchis hypselobagri* (Billet), respectively from swim bladder of *Wallagonia attu* and body cavities of *W. attu* and *Channa punctatus*. Rivista di Parasitologia, 42(3), 353-359.
- 4) **Niyogi, A.** and S.M. Agarwal (1983): Free and protein amino acids in *Lytocestus indicus*, *Introvertus raipurensis* and *Lucknowia indica* (Cestoda:Caryophyllidea) parasitizing *Clarias batrachus* (Linn.). Japanese Journal Parasitology, 32(4), 341-345 [Citations 04].
- 5) Rai, V., Gupta, A.K., **Niyogi, A.** and S.M. Agarwal (1983): Alkaline and Acid phosphatases in certain organs of normal *Channa punctatus* and *Clarias batrachus* (Linn.). Geobios, 10, (6), 267-270.
- 6) Rai, V., Gupta, A.K., **Niyogi, A.** and S.M. Agarwal (1984): Parasitic effects on levels of Alkaline and Acid phosphatases in *Channa punctatus* (Bloch) and *Clarias batrachus* (Linn.). Geobios, 11, 34-37.
- 7) Gupta, A.K., **Niyogi, A.**, Naik, M.L. and S.M. Agarwal (1984): Population dynamics of endohelminths of *Channa punctatus* at Raipur, India. Japanese Journal Parasitology, 33 (2), 105 -118 [ISSN: 0021-5171 ; Citations 07].
- 8) **Niyogi, A.**, Gupta, A.K. and S.M. Agarwal (1984a): Immunological interpretation of concurrent infections of Caryophyllids species in *Clarias batrachus* at Raipur. Geobios New Reports, 3, 116-119 [ISSN: 0253-3340].

- 9) **Niyogi, A.**, Gupta, A.K., Naik, M.L. and S.M.Agarwal (1984b): Frequency distribution of Caryophyllids parasitizing *Clarias batrachus* at Raipur. Proceedings of the Indian Academy of Parasitology, 5 (1&2), 5-9.
- 10) **Niyogi, A.**, Gaur, A.S. and S.M. Agarwal (1985): Protein Profiles as an aid to taxonomy among Caryophyllaeid cestodes. Current Science, 54 (6), 277-278. [ISSN: 0011-3891;JIF:0.926 (2014)]
- 11) Gupta, A.K., **Niyogi, A.** and S.M.Agarwal (1985): Frequency distribution and regulation of parasitic populations in *Colisa lala* . Current Science, 54 (21), 1122-1123[ISSN:0011-3891; JIF:0.926 (2014)].
- 12) Rai, V., Gupta, A.K., **Niyogi, A.** and S.M.Agarwal (1988): Levels of Acid and Alkaline phosphatases in developing and mature gonads of healthy and infected *Clarias batrachus* .Biome, 3(2), 128-130.
- 13) **Niyogi, A.** and S.M.Agarwal (1989): Intestinal pathology due to Caryophyllaeids parasitizing *Clarias batrachus* at Raipur. Indian Journal of Helminthology, 41,112-119 [Citations 05].
- 14) Gupta, A.K., Shukla, A., **Poddar, A. N.** and S.M.Agarwal (1989): Incidence of Corynebacteriosis in fishes at Raipur. Indian Journal of Parasitology, 13(1), 125-128.
- 15) Sao, R., Chandra, P. and **A. (Niyogi) Poddar** (2008): Prevalence of root knot nematode (*Meloidogyne incognita*) infection in vegetable crops in Chhattisgarh. Bio nature 28 (2), 61-67[ISSN: 0970-9835;Citations 03]
- 16) Chandra,P.,Sao, R.,Gautam,S.K.and **A.(Niyogi) Poddar** (2010): Initial population density and its effect on the pathogenic potential and population growth of the root knot nematode *Meloidogyne incognita* in four species of Cucurbits. Asian Journal of Plant Pathology (Academic Journals Inc.,USA), Online first,2009;4(1),1-15. [Peer Reviewed; Indexed in SCOPUS , SCIMAGO and Thomson Reuters; JIF- 0.76 (2020-21); Citations -32; ISSN: 1819-1541].

- 17) Bakde, C. and A. **(Niyogi) Poddar** (2011) :Effect of steel plant effluent on acid and alkaline phosphatases of gills, liver and gonads of *Cyprinus carpio* Linn. (1758). International Journal of Environmental Sciences ,1(6),1305-1316. [Peer Reviewed; Indexed in DOAJ, Index Copernicus International and Chemical Abstracts; ICV-4.69; Citations 20; ISSN:0976 – 4402].
- 18) Joseph, S. and **A. Poddar** (2011): Diversity of Fungi in the rhizosphere of few selected vegetable crops of Chhattisgarh. Research Zone, 3(3) [ISSN: 0975-8879].
- 19) Mishra, A. and **A.(Niyogi) Poddar** (2011): Hematological changes in the Indian Murrel (*Channa punctatus* Bloch) in response to phenolic industrial wastes of the Bhilai Steel plant (Chhattisgarh,India). International Journal of Researches in Chemistry and Environment, 1 (2), 83-91 [Peer reviewed; Indexed in DOAJ, Index Copernicus International; GIF-0.654(2015); Citations 23; ISSN: 2248-9649].
- 20) Sahu,R., Chandra,P. and **A.(Niyogi) Poddar** (2011): Community analysis of plant parasitic nematodes prevalent in vegetable crops in district Durg of Chhattisgarh, India. Research Journal of Parasitology,USA), Online first,DOI:10.3923/jp.2011.(c) ,6(2),83-89. [Indexed in SCOPUS, SCIMAGO, Thomson ISI; SJR-0.4(2015); H Index-4; Citations 04; ISSN: 1813-4943].
- 21) Mishra ,A. and **A.(Niyogi) Poddar** (2013a): The coke oven effluent channel of the Bhilai Steel Plant:Toxic effects of its wastewater on the Indian Murrel *Channa punctatus* Bloch. Journal of Fisheries and Aquatic Sciences, Academic Journals inc., USA online first. 8(5):606-616; DOI:10.3928/jfas.2013. [Indexed in SCOPUS, SCIMAGO, Thomson Reuters ISI; JIF=0.17; Citations 02; ISSN:1816-4927].
- 22) Mishra ,A. and **A.(Niyogi) Poddar** (2013b): Haematology of the freshwater Murrel *Channa punctatus* (Bloch), exposed for long term duration to Phenolic industrial wastes of the Bhilai Steel plant (Chhattisgarh, India).International Journal of Scientific and Engineering Research, 4(4):1866-1883. [Indexed in Thomson Reuters; JIF=4.4 (2017); ISSN: 2229-5518].

- 23) Khewar, V., and **A. (Niyogi) Poddar** (2013): Effect of the coke oven effluent of Bhilai Steel Plant on ALAT and ASAT activities in liver and gills of *Channa punctatus* (Bloch). International Journal of Environmental Sciences, 3(5):1737-1748. DOI: 10.6088/ijes.2013030500041 [ICV=4.97; ISSN 0976-4402].
- 24) Xalxo, P.C, Karkun, D. and **A. (Niyogi) Poddar** (2013): Rhizospheric fungal associations of root knot nematode infested Cucurbits: In vitro assessment of their nematicidal potential. Research Journal of Microbiology, Academic Journals Inc., USA, Online first. 8 (2):81-91; DOI:10.3923/jm.2013.81.91. [Indexed in SCOPUS, SCIMAGO, Thomson Reuters; 0.145(2017); JIF-0.14 Citations 06; ISSN: 1816-4935] .
- 25) Gupta, S. and **A. (Niyogi) Poddar** (2014): Sodium Fluoride Toxicity in the Fresh Water Cat Fish *Clarias batrachus* (Linn.): Effects on the Erythrocyte Morphology and Antioxidant Enzymes. Research journal of Environmental Toxicology, Academic Journals Inc.USA, Online first, 8(2):68-76. DOI: 10.3923/rjet.2014.68.76 [Indexed in SCOPUS, SCIMAGO, Thomson ISI; ISSN: 1819-3420; JIF-0.16; Citations 02]
- 26) Gautam, S.K., Sahu, G., Verma, B.K., and **A. (Niyogi) Poddar** (2014): Status of root-knot nematode (*Meloidogyne* species) disease in vegetable crops of some districts of central plain region of Chhattisgarh state, India. African Journal of Microbiology Research, Academic Journals 8(16):1663-1671; DOI:10.5897/AJMR2014.6691 [Indexed in SCOPUS; JIF=0.192; Citations 23].
- 27) Chandrakar, P. and **A. (Niyogi) Poddar** (2014): Effect of coke oven effluent on serum gamma globulin and A/G ratio in *Clarias batrachus* .Journal of Ravishankar University-B, 27;51-57.[Peer reviewed;ISSN:0970-5910].
- 28) Gautam S.K. and **A. (Niyogi) Poddar** (2014): Study on protein and Sugar content in *Meloidogyne incognita* infested roots of Bitter gourd. International Journal of Current Microbiology and Applied sciences , 3 (5):470-478.[JIF=0.378; Citations 04 ; ISSN:2319-7692 (Print), ISSN:2319-7706(Online)].
- 29) Sahu, R.S, Xalxo, P.C., Gautam, S.K. and **A. (Niyogi) Poddar** (2014): Occurrence, Distribution and Community Analysis of Plant

Parasitic Nematodes Associated with Vegetable Crops in the state of Chhattisgarh, India . Indian Journal of Nematology, 44(1):32-37.

- 30) Mishra, A. and **A. (Niyogi) Poddar (2014)**: Acute toxicity and behavioral response of the food fish *Channa punctatus* (Bloch) to an insecticide Dichlorvos. Jr. of Industrial Pollution Control 30(2): pp 209-212. [Indexed in SCImago; JIF-0.986; ISSN - 0970-2083. Available at: www.envirobiotechjournals.com].
- 31) Sahu, G., Gautam, S.K. and **A. (Niyogi) Poddar (2015)**: Suitable hosts of root knot nematode attack: an assessment on the basis of morphological size variations and population density under field conditions. International Journal of Phytopathology, 04 (02): 87-92. [Peer reviewed; ISSN: 2312-9344].
- 32) Gupta, S., Pervez, S. and **A. (Niyogi) Poddar (2015)**: Endemic Fluoride Toxicity in District Korba, Chhattisgarh. Journal of Ravishankar University-B, 28 (2), 1-6. [Peer reviewed; ISSN:0970-5910].
- 33) Mishra, A. and **A. (Niyogi) Poddar (2015)**: Effect of the phenolic waste waters of an integrated steel plant on the behavior of the Indian Murrel *Channa punctatus* (Bloch). Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), 66-71 [JIF=1.823; ISSN: 2319-2399(print), ISSN: 2319-2402(Online); Available at: www.iosrjournals.org].
- 34) Mishra, A. and **A. (Niyogi) Poddar (2016)**: Histopathology of the liver of Indian Murrel *Channa punctatus* (Bloch) exposed to Phenolic Effluents . International Journal of Research in Chemistry and Environment 6 (4) ,16-21.[Peer reviewed; Available at : www.ijrce.org].
- 35) Sahu, G. and **A. (Niyogi) Poddar (2016)**: Effect of Sodium Fluoride on Total Protein and Albumin Globulin Ratio of *Clarias batrachus* (Linn.) 1758. Journal of Ravishankar University-B, 29 (2&3):11-16 [Peer reviewed; ISSN:0970-5910].
- 36) Sahu, G., Pervez, S. and **A. (Niyogi) Poddar (2017)**: Combined Toxicity and Bioconcentration of Fluoride and Arsenic in African Catfish *Clarias gariepinus* (Burchell, 1822). International Journal of Environment, Agriculture and Biotechnology

- (IJEAB),2(2):967-976.[Indexed in Thomson Reuters;JIF-3.083 (2020) ;Available at: <http://dx.doi.org/10.22161/ijeab/2.2.53>; ISSN: 2456-1878].
- 37) Yadu,.B, Chandrakar,V, Meena,RK, **Poddar, A** and S Keshavkant **(2018)**: Spermidine and Melatonin Attenuate Fluoride Toxicity by Regulating Gene Expression of Antioxidants in *Cajanus cajan* L. Journal of Plant Growth Regulation, 1-14 (Publ.Springer US) [JIF=4.038;citations 29]; Indexed at SCImago Available at DOI <https://doi.org/10.1007/s00344-018-9786-y>
- 38) Mishra,P. and **A. (Niyogi)Poddar (2020)**: Bioaccumulatory, hepatotoxic and genotoxic potential of chronic fluoride exposure on cat fish *Clarias batrachus*. Journal of Experimental Zoology, India.,23(1):259-264.
- 39) Mishra,P. and **A. (Niyogi)Poddar (2021)**: Genotoxic impacts of long term exposure of Arsenic and Fluoride to Cat Fish, *Clarias batrachus* .International Journal of Scientific Research in Biological Sciences.,8, (6), 09-15.(Publ. ISROSET, India).[JIF=1.03] Available at DOI: <https://doi.org/10.26438/ijsrbs/v8i6.915>
- 40) Sahu,G. and **A. (Niyogi)Poddar (2022)**:Fluoride and Arsenic : Bioaccumulatory potential and their combined toxic impact on the behavior of freshwater catfish, *Clarias batrachus* Linn. 1758. Journal of Experimental Zoology, India.,25(1):435-441.
- 41) Gupta S., Kumar,C., Pervez,S. and **A. (Niyogi)Poddar (2022)**: Receiver Operating Curve (ROC) analysis for fluorosis using simple blood parameter Neutrophil Lymphocyte Ratio. Biochem. Cell. Arch. 22, 3969-3974. Indexed at SCImago [JIF=0.244] Available at DOI: <https://doi.org/10.51470/>

U. PAPERS PRESENTED IN CONFERENCES

1. **Niyogi, A** and S.M. Agarwal : Free amino acids and protein hydrolyzates in *Lytocestus indicus* Moghe,1925, *Introvertus raipurensis* Satpute and Agarwal, 1980, and *Lucknowia spp.*(Cestoda:Caryophyllidea) parasitizing *Clarias batrachus*(Linn). Paper presented in IV National Congress of Parasitology, Mar. 29-30, (1982) Aligarh, U.P.

2. Gupta,A.K., **Niyogi,A.**,Chetty,S.R., Gaur,A.S. and S.M.Agarwal: Free amino acids and protein hydrolyzates of *Isoparorchis hypselobagri* (Billet), respectively from swim bladder of *Wallagonia attu* and body cavities of *W. attu* and *Channa punctatus*. Paper presented in IV National Congress of Parasitology, Mar. 29-30, (1982) Aligarh, U.P.
3. **Niyogi,A.**, Gupta,A.K. and S.M. Agarwal: Immunological regulation of Caryophyllaeid population parasitizing *Clarias batrachus* at Raipur. Presented at the V National Congress of Parasitology, Jun. 25-27 (1983), Tirupati (A.P.)
4. Gupta,A.K., **Niyogi,A.**, Naik,M.L. and S.M.Agarwal: Population dynamics of endohelminths of *Channa punctatus* at Raipur. . Presented at the V National Congress of Parasitology, Jun. 25-27 (1983), Tirupati (A.P.)
5. **Niyogi, A.** and S.M. Agarwal : Some aspects of Carbohydrate metabolism in Caryophyllaeids parasitizing *Clarias batrachus* (Linn.). Presented at the VI National Congress of Parasitology, Mar. 19-25 (1985), Pantnagar, (U.P.)
6. **Niyogi, A.** Gaur, A.S. and S.M. Agarwal: Protein profiles as an aid to taxonomy among Caryophyllidean cestodes. Presented at the VI National Congress of Parasitology, Mar. 19-25 (1985), Pantnagar, (U.P.)
7. **Niyogi, A.** and S.M. Agarwal : Protein profiles of some rumen parasites in goat . Presented at the VII National Congress of Parasitology, Dec. 26-28 (1986), Raipur (M.P.)
8. Baghel, U., **Poddar, A.N.** and S.M. Agarwal : An analysis of the excretory metabolites of *Lytocestus indicus* (Caryophyllidea: cestoda) obtained from male and female *Clarias batrachus*. Presented at the XI National Congress of Parasitology, Feb. 22-24 (1994), Udaipur (Rajasthan).
9. Sinha, S., **Poddar, A.N.** and S.M. Agarwal : Osmotic and ionic behavior of *Lytocestus indicus* and *Introvertus raipurensis* (Caryophyllidea: cestoda) Presented at the XI National Congress of Parasitology, Feb. 22-24 (1994), Udaipur (Rajasthan).

10. Mishra, A. and A. N. Poddar.: Effect of phenolic industrial wastes on the hematology of *Channa punctatus*. Presented in the National symposium on Biodiversity: current status and prospects .October 17 & 18 (2005), SOS Life Sciences, Pt.RSU, Raipur (C.G.).
11. Sao, R., Chandra, P. and **A. N. Poddar**.: Prevalence of root knot nematode (*Meloidogyne incognita*) infection in vegetable crops in Chhattisgarh. Presented in the National Seminar on botanical researches present scenario and future prospects.January,29-30 (2008),Department of Botany,Govt College of Science, Raipur.
12. Chandra, P., Sao, R. and **A.N. Poddar**: Rhizospheric fungi associated with *Meloidogyne incognita* (root knot nematode) infection in vegetable crops in the district Durg of Chhattisgarh. Presented in the National Seminar on botanical researches present scenario and future prospects.January,29-30 (2008),Department of Botany,Govt College of Science, Raipur.
13. Sao, R. and **A.N. Poddar** : Pathogenicity of root-knot nematode (*Meloidogyne incognita*) infection in Lady's finger (*Abelmoschus esculentus* l.) in Chhattisgarh. Presented in the VIII Chhattisgarh Young Scientist Congress, April,9-10,2010 ,Pt.RSU, Raipur (C.G.).
14. Gautam, S.K. and **A. N. Poddar**: Changes in protein and sugar levels in roots of Bitter Gourd (*Momordica charantia*) during early response to root knot nematode attack. Presented in the VIII Chhattisgarh Young Scientist Congress, April,9-10,2010 ,Pt.RSU, Raipur (C.G.).
15. **Poddar, A. N.**: Effect of steel plant effluent on acid and alkaline phosphatases of gills, liver and gonads of *Cyprinus carpio* Linn. (1758). Presented in the 47th Annual Convention of Chemists and International Conference on Recent Advances in Chemical Sciences organized by Indian Chemical Society, Kolkata ,December,23-27,2010, Pt.RSU, Raipur (C.G.).
16. Chandra, P. and **A.N. Poddar**: Suitability of Cucurbits to Root Knot nematode (*Meloidogyne incognita*) attack. Paper presented in National conference on advances in Biological Sciences.5-7,November, 2011, Pt.RSU,Raipur(CG).

17. Sahu, R., and **A.N. Poddar** : Community analysis of plant parasitic nematodes prevalent in vegetable crops in district Durg of Chhattisgarh, India. National conference on advances in Biological Sciences.5-7,November, 2011,Pt.RSU,Raipur(CG).
18. **Poddar, A.N.** and A. Mishra: Coke oven effluent of the Bhilai Steel Plant (Chhattisgarh,India) and its effect on the haematology of the Indian Murrel *Channa punctatus* (Bloch).Paper accepted for presentation in International Toxicology of mixtures conference, Oct.21-23, 2011, Arlington, VA, USA.
19. **Poddar,A.N.:** The most vulnerable species: The Indian woman of the new millennium. Paper presented in National Conference on role of women in national development in the new millennium. January, 10-12, 2013, Pt.RSU ,Raipur(CG).
20. Gupta, S* and **A.N. Poddar**: Sodium Fluoride toxicity in freshwater catfish *Clarias batrachus* : Effects on morphology of blood cells and antioxidant enzyme activity. Presented in XIth CG young scientist Congress,28 Feb -1st March (2013), at Govt. Nagarjuna PG College of Science Raipur,PP32 Zoology. ***Winner of young scientist award in zoology.**
21. Gautam, S.K., Sahu, G. and **A.N. Poddar**: Incidence of Root-Knot Nematode (*Meloidogyne* *sps.*) Disease in Vegetable Crops of Central Plain Region of Chhattisgarh State, India. Paper presented in National Conference on Recent Advances in Biological Sciences,November,25-27,2013.Golden jubilee Celebrations of Pt.RSU,Raipur.
22. Gupta, S., Pervez, S. and **A.N. Poddar** : Fluoride Contamination in Drinking Water and Prevalence of Fluorosis in Block-Podi Uproad, District – Korba, Chhattisgarh. . Paper presented in National Conference on Recent Advances in Biological Sciences, November,25-27,2013.Golden jubilee Celebrations of Pt.RSU,Raipur.
23. Sahu, G. and **A.N. Poddar** : Identification and Morphometric Comparison of Female Nematode (*Meloidogyne* *sps*) from Vegetables Crops of Abhanpur Block, Chhattisgarh. Paper presented in National Conference on Recent Advances in

Biological Sciences, November, 25-27,2013. Golden jubilee Celebrations of Pt.RSU,Raipur.

24. Gupta,S., Sahu,G and Mishra P and **A.N. Poddar**: Biochemical alterations due to accumulation of fluoride in fresh water cat fish *Clarias batrachus*". Paper presented in National conference on Prospects in life sciences: Paradigm shift in teaching and research in zoological sciences and the second Chhattisgarh congress of the zoological society of Chhattisgarh (ZSC), March ,2-3, 2016 , Govt. Nagarjuna PG college, Raipur.C.G. ***Winner of best poster award.**
25. Sahu,G and **A.N. Poddar** : Effect of sodium fluoride on total protein and albumin globulin ratio of *Clarias batrachus* (*linn.*) 1758. Paper presented in National conference on Prospects in life sciences: Paradigm shift in teaching and research in zoological sciences and the second Chhattisgarh congress of the zoological society of Chhattisgarh (ZSC) , March ,2-3, 2016 , Govt. Nagarjuna PG college, Raipur.C.G.
26. Gupta,S*,Pervez, S. and **A.N. Poddar**: Epidemiologic Risk Assessment in some fluoride affected villages of Chhattisgarh. Paper presented in the 23rd Conference of the International Society of Fluoride Research, November 9-11,2016, National Institute of Nutrition,Hyderabad. *** Recipient of Nilofer Chenoy Award for best oral presentation.**
27. Sahu, G. and A.N. Poddar: Genetic Damage Index due to chronic exposure of Arsenic and Fluoride and their interaction in Asian Cat fish *Clarias batrachus*.Poster presented the 23rd Conference of the International Society of Fluoride Research, November 9-11,2016, National Institute of Nutrition, Hyderabad.
28. Mishra ,P and A.N. Poddar: Monitoring of groundwater samples from industrialized region of Central India. Paper presented in International conference on Emerging Research In Bioscience(ICERB2018) , Guru Ghasidas University, Bilaspur, CG, India, October 28-30,2018.