

## Faculty Profile

<b>Name</b>	<b>:Dr. Atia Arzoo</b>	
<b>Qualification</b>	<b>: M.Sc. (Environmental Science), Ph.D. (Environmental Science)</b>	
<b>Designation</b>	<b>: Assistant Professor &amp; Head, Department of Environmental Science</b>	
<b>Email Id</b>	<b>:atia.arzoo@bjbcollege.in</b>	
<b>Area of interest</b>	<b>: Teaching and Research</b>	
<b>Area of research</b>	<b>: Environmental Pollution Control and Management</b>	
<b>Teaching Area</b>	<b>: UG</b>	
<b>Teaching Experience (Years)</b>	<b>: 5 years</b>	

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## Publication Profile

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### **Research Articles Published:**

- SK Sahoo, GK Panigrahi, MK Sahu, A Arzoo, JK Sahoo, A Sahoo. (2022). Biological synthesis of GO-MgO nanomaterial using *Azadirachta indica* leaf extract: A potential bio-adsorbent for removing Cr(VI) ions from aqueous media. *Biochemical Engineering Journal* 177, 108272
- A Arzoo, SK Nayak, A Mohapatra, KB Satapathy. (2014). Impact of nickel on germination, seedling growth and biochemical changes of *Macrotyloma uniflorum* (Lam.) verdc. *International Journal of Biosciences* 5 (9), 321-331
- A Arzoo. KB Satapathy. (2017). A review on sources of heavy metal pollution and its impacts on environment. *International Journal of Current Advanced Research* 6 (12), 8098-8102
- A Khatoon, A Arzoo, A Mohapatra, KB Satapathy. (2017). Studies on in vitro evaluation of antibacterial activities of *Eucalyptus globules* labill leaf. *International Journal of Current Pharmaceutical Research* 9 (4)
- S Pati, A Ghadei, A Arzoo, SK Nayak, A Mohapatra, KB Satapathy. (2014). Physiological responses induced by chromium toxicity to *Cucumis sativus* L. and *Macrotyloma uniflorum* Lam. *IOSR-J of Environ Sci Toxic & Food Tech* 8 (12), 58-63.
- Atia Arzoo, KB Satapathy. (2017). Sources of nickel pollution and its impacts on environment: A review. *International Journal of Recent Scientific Research* 8 (12), 22794-22798

- Atia Arzoo, Srimay pradhan. (2020). A review on cyclone resistant plants found in cyclone prone Odisha, India. International Journal of Scientific & Technology Research 9 (4), 488-491
- SK Biswal, TM Pradhan, A Arzoo. (2019). Response of waste egg shells to soil fertility and its impacts on growth of *Vigna mungo* L. seedling. Clay Research 38 (1), 29-34.
- A Arzoo. (2020). Physiological and biochemical changes in *Vigna unguiculata* (L.) Walp. Due to nickel stress. International journal of biosciences 16 (5), 70-76
- A Arzoo, A Khatoon, SK Nayak, A Mohapatra, KB Satapathy. (2016). Assessment of allelopathic potential of an invasive alien weed *Hyptis suaveolens* on germination of *Oryza sativa* L. Journal of Food Science and Engineering 6, 212-214
- A Arzoo, Abhilipsa Das, Yashashwi Nayak. (2019). Role of Molly fish on detoxification of waste water collected from Ori-plast limited, Balasore, Odisha. Journal of emerging technology and innovative research 6 (5), 139-145
- A Arzoo, KB Satapathy. (2018). Physiological and biochemical responses induced by nickel to plants growing at nickel polluted soil. International Journal of Research in BioSciences 7 (1), 33-34
- A Arzoo. (2016). Socioeconomic and Environmental impacts of mining in Odisha, India. Scholars Academic Journal of Biosciences (SAJB) 4 (7), 560-564
- A Arzoo, KB Satapathy. (2015). Physiological and biochemical responses induced by nickel to *Arachis hypogea* L. International Research Journal of Environment Sciences 4 (11), 19-24

## **Books Chapters Published: 2**

## **Books Published: 1**

## **Articles Published in Newspapers/Magazines: Nil**

## **Research Projects: Nil**

## **Papers presented in Conferences/Seminars:**

Sl. No	Conference / Seminar/ Workshop	Participated/ Presented/ Organised	Title	Year
<b>INTERNATIONAL</b>				
1	Fifth international conference on plant and environmental pollution (ICPEP-5)	Presented a Poster	Nickel induced changes in germination and biochemical parameters in <i>Vigna unguiculata</i> (L.) Walp.	24-27 February, 2015
2	25th Asian-Pacific Weed Science society Conference	Presented a Poster	“Assessment of the Allelopathic Potential of an Invasive Alien	13-16 October, 2015

			Weed <i>Hyptis suaveolens</i> (L.) Poit. on Germination of <i>Oryza sativa</i> L.”	
3	UDPS Pharmacon International Conference on " Nanomedicine in Diagnostics & Theranostics in Cancer"	Participated	-----	09-11 March, 2018
<b>NATIONAL</b>				
1	17th Odisha Bigyan Congress.	Presented a Poster	“Impact of Nickel on germination and seedling growth of <i>Arachis hypogea</i> L.”	05-06 December, 2014
2	National Conference on "Biodiversity Assessment, Monitoring and Conservation: Application of Biotechnological tools" & 39th Annual Conference of Orissa Botanical Society.	Presented a Poster	Impacts of Nickel on germination, seedling growth and biochemical changes in <i>Macrotyloma uniflorum</i> (Lam.) Verdc.	22- 23 February, 2015
3	UGC Sponsored Skill based Workshop on Current Advances in Microscope to Molecules	Participated	As a resource person	17-18 November, 2015
4	Indian Science Congress Association Bhubaneswar Chapter. "National Seminar on Science and Technology for Indigenous Development in India"	Presented a poster	“Impact of nickel on germination and seedling growth of rice ( <i>Oryza sativa</i> L.)”	9-11 December, 2015
5	Odisha Environment Congress, 2015.	Participated	-----	22-24 December, 2015
6	National Seminar on "Role of plants in mitigation of Environmental stress"	Participated	-----	31st March, 2016
7	National seminar on Herbal therapy and Beauty care.	Participated	-----	13th November, 2016
8	National Seminar on 'Forestry & Agriculture for Sustainable Future' on the occasion of the 18th Odisha Bigyan 'O' Paribesh Congress	Presented a Poster	Effects of mining pollutants on water bodies causing health hazards in Sukinda Chromite mining area of Odisha, India.	03-04 December, 2016
9	National Seminar on "Stress management in plants". P.G. Department of Botany, Utkal University, Bhubaneswar.	Participated	-----	17th March, 2017

10	Skill Development Workshop on "Modern Biological Technologies in Genetics to Transgenics", P.G. Department of Botany, Utkal University, Bhubaneswar.	Participated	As resource Person	27-28 March, 2017
11	National Seminar on "Science and technology for Environmental Security", on the occasion of the 19th Odisha Bigyan 'O' Paribesh Congress.	Participated	-----	26-27 November, 2017
12	National Conference on "Biodiversity Conservation for Sustainable development and Environment management" Organized by Centurion University of Technology and Management.	Presented an Oral	"Phytoremediation of Nickel by using hydrophytes and its bio-utilization"	1-2 April, 2018

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### Invited/Special Lectures/Resource Persons or Presentations at Conferences/ Workshops:

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1	International Virtual Conference on Recent Advances on Emerging Materials.	Organised		23 <sup>rd</sup> Dec 2020
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### Awards and Distinctions:

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1. Moulana Azad National Scholarship for meritorious girls belonging from minority community. (2004)
2. UGC- Moulana Azad National Fellowship for minority students. (2012)

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### Association with Professional Bodies:

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1. Life member of Odisha Environment Society
2. Life member of Odisha Botanical Society

