

CURRICULUM VITAE



ARTI HEER

Present position: Assistant Professor (Biochemistry)
working in GGM Science College Jammu

Ph. D (Biochemistry) from SKUAST-Jammu (working at
Cancer Pharmacology Division IIM-CSIR, Jammu)

Corresponding Address: H No.301/D Lower Shiv
Nagar near Women Polytechnic College, Jammu (J&K) -
180001

Mob. No: 9797480899/7006174907

aartee08@gmail.com

VISION & OBJECTIVES

To be a part of organization that provides clear direction, where I am encouraged and motivated to welcome challenges and contribute my knowledge, experience and skills as well as taking the opportunity to learn from other to achieve the goals of the organization.

PROFESSIONAL QUALIFICATIONS

- Doctor of Philosophy from SKUAST, Jammu.
- Master in Biochemistry from SKUAST, Jammu.
- Bachelor of Sciences from GGM Science College, Canal road, Jammu

EDUCATIONAL DETAILS

Qualification	Institute	Board/ University	Year of Passing	% age
Ph.D (Biochemistry)	SKUAST-Jammu	SKUAST- Jammu	2017	76.5
Master (Biochemistry)	SKUAST-Jammu	SKUAST- Jammu	2013	73.2
B.Sc.	GGM Science College	University of Jammu	2008	58.9
B.Ed	Govt College of Education	University of Jammu	2010	60

12 th (Medical)	DBM, High Secondary School, Talabtillo Jammu	J & K Board	2002	49.5
10 th	HEM High Secondary School Rajouri	J & K Board	2000	63.4

TECHNICAL QUALIFICATION

GNIIT (Software Engineering) from NIIT Jammu, 2010

TECHNICAL SKILLS

- Rotary Vacuum Evaporator, Distillation of essential oils by Clevenger apparatus
- Spectrophotometer, Centrifuge, ELISA, Soxhlet, TLC, Column Chromatography, Lyophiliser, Laminar flow and pH meter

RESEARCH EXPERIENCE During M.Sc and Ph.D

- Research topic in M.Sc :“**Studies on antioxidant and antifungal properties of the essential oil and extracts from *Cinnamomum tamala* (Buch.-Ham.) T. Nees & C.H. Eberm and determination of their phytochemicals constituents by GC-MS and HPLC.**”
- Research topic in Ph.D :“**Determination of anticancer and antimicrobial potential of some medicinal plants from Jammu region**”
- Successfully completed one year training entitled “ **Evaluation of *in vitro* cytotoxic potential of some medicinal plants against Human Cancer Cells**” in CSIR –Indian Institute of Integrative Medicine (IIIM-Jammu).
- Hands on experience in **Anticancer, Antibacterial, antifungal and antioxidant assays.**
- Well experienced with **Research on Medicinal plants.**
- Well experienced in **Essential oil Extraction of Medicinal Plants and their Phytochemical Analysis.**

Refresher/Orientation /FDP/Workshop

- 4-Week Induction/Orientation Programme organised by Ramanujan College University of Delhi for "Faculty in Universities/Colleges/Institutes of Higher Education" from June 04 - July 01, 2020
- 2-Week Faculty Development Programme Managing online classes and co-creating MOOCS 3.0" From July 25 - August 10,2020 Ramanujan College University of Delhi
- Online -Two- Week Refresher Course in Life Sciences from 01-15 September 2021, Programme organised by Ramanujan College University of Delhi
- Online One week Faculty Development Programme on "Academic Administration" from 03-09 August 2021 organised by Ramanujan College University of Delhi.

International Conferences

- Attended International Conference on Food Security and Hunger Management held at Vishwa Yuvak Kendra , New Delhi, 2011.
- Attended International Conference on "Natural resources management ecological perspectives" and presented a paper entitled "**Curry leaves Possesses antifungal efficacy**"held at SKUAST, Jammu, 2016.
- Attended International Conference on "Emerging trends in the new-millennium" **BIOCON-2016**presented a paper entitled "***Terminalia chebula* suppressed the proliferation of colon, lung and prostate cancer cells**"held at Govt. Medical College, Jammu. 2016.
- Attended International Conference on "Recent trends in Bioinformatics and Biotechnology for sustainable development" and presented a paper entitled "***In vitro* anticancer, antifungal and antibacterial potential of Karonda seeds**" held at SKUAST, Jammu, 2017.

National Conferences and Workshops

- Attended 1st Jammu and Kashmir Agricultural Science Congress held at SKUAST, Kashmir , Srinagar, 2011.

- Attended 2nd Jammu and Kashmir Agricultural Science Congress held at SKUAST, Jammu, 2012.
- Participated in 9th JK Science Congress and Regional Science congress held at University of Kashmir, 2013.
- Participated in 101st Indian Science congress held at University of Jammu, 2014.
- Attended 2nd National Symposium on Interdisciplinary Sciences organized by G.G.M. Science College and presented a paper entitled “**Characterization of antioxidant and antimicrobial properties of the essential oil of *Cinnamomum tamala* grown in north western Himalayas)**”, 2015.
- Attended 10th JK Science Congress on Science and Technology for inclusive development a way forward and presented paper entitled “ **Antifungal and antioxidant properties of Extract/fractions of *Cinnamomum tamala***” held at University of Jammu, Jammu ,2015.
- Attended in 4th Jammu and Kashmir Agricultural Science Congress on “Technological innovations and dissemination in crop and livestock management presented a paper entitled “**Amla possesses antifungal potential against *Alternaria alternata* and *Bipolaris specifera***” held at SKUAST, Jammu, Chatha, 2015.
- National Seminar on New Vistas in Plant and Microbial Sciences organized by Department of Botany, University of Jammu, Jammu and presented a paper entitled “**Antibacterial effects of Amla leaves**” held at University of Jammu. Jammu, 2016
- Attended in 19th Annual National Conference Society of Statistics, Computer and Application (SSCA-2017) on Statistics and Informatics in Agricultural and Allied Sciences presented a paper entitled “ **Antifungal potential of *Syzygium cumini* seeds**” held at SKUAST-Jammu, Chatha, 2017.
- National Conference on Material for Sustainable Development and New Technology, and presented a paper entitled “***Terminalia chebula* suppressed the proliferation of melanoma cancer cell**” held at Central University of Jammu , Jammu, 2017.
- Participated in one day workshop on “Scientific innovation & intellectual property rights” Organized by Deptt. of Biotechnology, SMVDU, Katra, Jammu and Kashmir. 2017.
- Attended National Conference Maharashtra Society of Agricultural economics on “Impact of agricultural technologies in enhancing growth and income “ presented a paper entitled “***In vitro* anticancer and antifungal potential of Giloy**” held at SKUAST- Jammu, Chatha, 2017.
- National Conference on “Interdisciplinary aspects of plant science”, and presented a paper entitled “**Antibacterial activity of *Terminalia chebula* fruit extract**” held at SMVDU, Katra, Jammu and Kashmir. 2017.

- Attended National symposium and Indian Phytopathological society (North Zone) meet-on Ecological sustainable plant disease management under diversified farming situation” presented a paper entitled “**Antibacterial efficiency of *Momordica charantia***” held at SKUAST-Jammu, Chatha, 2017.
- Attended National Conference on “Fungal Biology: Recent Trends and Future Prospects”, and presented a paper entitled “**Antifungal potential of *Momordica charantia***” held at University of Jammu, Jammu, 2017.
- Attended National Conference of Maharashtra Society of Agricultural Economics on the theme, “Agro- Tourism”, “Doubling of farmers income and economics of production and marketing of cashew nut and coconut” presented a paper entitled “**Antibacterial efficiency of efficiency of curry leaves**” during 25th -26th October, 2018 held at Panjim, Goa
- One Week Online Workshop Intellectual property rights and entrepreneurship development from September 01-05, 2020 Department of Management Studies (DoMS) in association with Institute Innovation Cell (IIC) at National Institute of Technology, Silchar
- Ten days Faculty Development Programme ICT Tools for Reaching and Teaching Remote Learners in Higher Education from 28th Sept to 07th Oct, 2020 Govt. P.G College for Women Gandhi Nagar, Jammu
- International workshop for Faculty Development Programme Crispr/cas9 human genome engineering: basics and applications from 24th to 29th August 2020 Organised by centre for professional And Career advancement, Centre for drug discovery and development Satyabhama institute of science and technology india and genome engineering laboratory, school of lifesciences, university of Westminster, London, UK.

FELLOWSHIP/AWARDS

- Rajiv Gandhi National Fellowship during Ph.D
- Got Second Prize in Poster Presentation in 4th Jammu and Kashmir Agricultural Science Congress on “Technological innovations and dissemination in crop and livestock management entitled “**Amla possesses antifungal potential against *Alternaria alternata* and *Bipolaris specifera***” held at SKUAST, Jammu, Chatha, 2015.
- Got best Oral Presentation prize in National Conference Maharashtra Society of Agricultural economics on theme “Impact of agricultural technologies in enhancing growth and income “ presented a paper entitled “***In vitro* anticancer and antifungal potential of Giloy.**”
- Got Second Prize in Poster Presentation in National Conference on “Interdisciplinary aspects of plant science”, and presented a paper entitled “**Antibacterial activity of *Terminalia chebula* fruit extract**” held at SMVDU, Katra, Jammu and Kashmir. 2017.

- Got first Prize in Poster Presentation in National symposium and Indian Phytopathological society (North Zone) meet- on Ecological sustainable plant disease management under diversified farming situation” presented a paper entitled “**Antibacterial efficiency of *Momordica charantia***” held at SKUAST-Jammu,Chatha,2017.
- Got best paper presentation award in 21st National conference of MSAE presented a paper entitled “**Antibacterial efficiency of efficiency of curry leaves**”during 25th -26th October , 2018 held at Panjim, Goa.

RESEARCH PUBLICATION

Heer. A.,Guleria. S.and Razdan.V. K.2016.Chemical composition, antioxidant and antimicrobial activities and characterization of bioactive compounds from essential oils of *Cinnamomum tamalagrown* in north-western Himalaya. *Journal of Plant Biochemistry and Plant Biotechnology*. **26**(2):191–198.

Kour,N., Sharma ,V.,**Heer,A.** and Singh, S.K.2017.*Punica granatum* possesses *in vitro* cytotoxicity against lung cancer cells. *International Journal of Tropical Agriculture*, **35**:693-698.

Heer.A., Sharma .V., Kour. N. and Singh, S.K. 2017. *In vitro* anticancer and antifungal effect of Indian pennywort”

Heer.A.,Sharma. V., Singh. S.K., Sharma,A. and Katoch, M .2017. *In vitro* anticancer and antifungal potential of *Tinospora cordifolia*

EXTRA CURRICULAR ACTIVITIES

- Participated in various Workshops and camps under the National Service Scheme (NSS).
- One day educational trip to Pir Panjal Biodiversity Park, Lead Botanical Garden and Research Laboratories at School of Biosciences and Biotechnology, **BGSB University**.
- One day educational visit to School of Biotechnology, **SMVD University**
- Three day educational **Educational/Study Tour** outside the State at Chandigarh (Educational institute: NIPER, IISER and CSIR - Institute of Microbial Technology (IMTECH)).

Personal Details

- Date of Birth: 26-12-1984
- Father Name: Sh. Kasturi LAL
- Mother Name: Smt. Ved Kumari
- Nationality: Indian
- Languages Proficiency: Hindi, English, Dogri, Punjabi
- Hobbies: Travelling, Music, Reading, Driving
- Email: aartee08@gmail.com

Place: Jammu

Dr. ARTI HEER

Contact No:9797480899/7006174907