

## BIODATA

### **Dr. Archana Negi Sah**

Professor & Dean (IA)

Former Head & Dean

Department of Pharmaceutical Sciences

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### **Educational Qualification:**

- Ph.D. (in Pharmacy) - Kumaun University Nainital (01-03-2014)
- M. Pharm. (Herbal Drugs Technology) - First Division (2004)  
M. S. University of Baroda,  
Vadodara, Gujarat
- B. Pharm. - First Division with honors (2002)  
Kumaun University, Nainital.
- B. Sc. (Zoology, Botany, Chemistry) - First Division  
Kumaun University, Almora Campus
- Qualified GATE 2002 (Pharmaceutical Sciences) - secured 96.75 percentile.

### **Fellowship:**

Awarded UGC fellowship during M. Pharm. course.

### **Area of Interest:**

- Medicinal Plant Research
- Pharmacognostic evaluation/standardization of medicinal plants
- Phytochemical screening, Ethnopharmacology, Traditional Medicine
- Pharmacological evaluation of traditionally used medicinal plants

### **Teaching Experience:**

Total teaching experience of 21 years and 5 months as on July 2025.

13 Feb 2004- 2<sup>nd</sup> July 2004      Lecturer, Department of Pharmaceutical Sciences  
H. N. B. Garhwal University, Srinagar (Garhwal)

6 July 2004 – 5 July 2018      Assistant Professor, Department of Pharmaceutical

	Sciences, Kumaun University, Nainital
6 July 2018 – 5 July 2021	Associate Professor, Department of Pharmaceutical Sciences, Kumaun University, Nainital
6 July 2021 – Till date	Professor, Department of Pharmaceutical Sciences, Kumaun University, Nainital

### **PhD Supervision:**

Guided- 4, Registered- 7

### **M. Pharm. Supervision:**

M. Pharm. dissertation- Supervised- 63, Under guidance -08

### **Workshop/Training organized**

- Organized two days' Workshop on "Research Methodology and Scientific Writing", Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, 7-8<sup>th</sup> November 2022 as Convener.
- National Conference on PMJAP-miles covered and the road ahead, Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, on September 25<sup>th</sup>, 2022 as Chairperson- Scientific Committee.
- Training on HPLC, Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, 2018, (co-convener).
- Workshop on *Brief History & Indian Context of Regulatory Affairs*, Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, 21 December 2016, (co-convener).

### **Trainings/Courses/Workshop Attended:**

- Attended workshop at Uttarakhand PSC Haridwar, 2-5 April 2024, and 6-7 June 2024.
- ICMR-CCRAS training on ethics guidelines for biomedical & health research involving human participants, 3<sup>rd</sup> November 2023.
- Workshop on "Science Communication" organized by DBT/Wellcome Trust India Alliance, at Department of Biotechnology, Bhimtal Campus, on 4<sup>th</sup> April 2022.
- Workshop on **Universal Human Values** on the theme "Inculcating Universal Human Values in Technical Education" during 21-25 June, 2020 organized by **All**

**India Council for Technical Education (AICTE)**, Faculty Development Programme-Student Induction (FDP-SI).

- DBT, Govt. of India Sponsored National Workshop on “Big Data and Cloud Computing in Bioinformatics” held at Bioinformatics Infrastructure Facility, Dept of Biotechnology, Kumaun University, Bhimtal Campus, 15 March 2018.
- Workshop on HPLC, Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, from 17-23 May 2017.
- UGC Sponsored Short Term Course at UGC Human Resource Development Centre, Kumaun University Nainital, from 13 -19 October 2016.
- Workshop on CADD Software (Inventus v 1.1), CIF Department of Pharmaceutical Sciences, Kumaun University, Bhimtal Campus, October 3-8 2016.
- Summer school/ Refresher Course in *Science and Society* held at HRDC Kumaun University Nainital, from 9<sup>th</sup> June 2015 to 29<sup>th</sup> June 2015.
- D.B.T. sponsored Training on “*Structure and Sequence Bioinformatics*” held at Bioinformatics Infrastructure Facility, Department of Biotechnology Kumaun University, Nainital on 22-23 March 2012.
- National Training on “*Bioinformatics & its Application in Drug Designing*” held at Bioinformatics Infrastructure Facility, Department of Biotechnology Kumaun University, Nainital on 22-23 March 2011.
- Refresher Course in *Information Technology Applications* held at SSJ campus Almora conducted by Academic Staff College, Kumaun University Nainital, from 19<sup>th</sup> July 2010 to 8<sup>th</sup> August 2010.
- Orientation Programme at Academic Staff College Kumaun University Nainital, from 14<sup>th</sup> March 2009 to 10<sup>th</sup> April 2009.

**Awards:**

- Hon’ble VC KU felicitated with Cash prize and Medal for being awarded with Teacher of the Year 2023 award by Divya Himgiri and UCOST.
- Women Empowerment Award by Women Studies Centre, Kumaun University Nainital, 2024.

- Teacher of the Year Award (Professional Course-Pharmacy), Divya Himgiri in association with UCOST, ONGC, and USERC, by Shri Anand Vardhan (IAS), Additional Chief Secretary, Govt. of Uttarakhand, 29<sup>th</sup> October 2023.
- Professor K S Valdiya Research Award for Impact Factor of Research Articles more than 10 in 2022, awarded by Hon'ble Vice Chancellor of Kumaun University on 17 August 2023.
- Professor K S Valdiya Research Award for Impact Factor of Research Articles more than 10 in 2021, awarded by Hon'ble Vice Chancellor of Kumaun University on 09<sup>th</sup> March 2022.

**Administrative Experience:**

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1.	Chairperson	IAEC, Kumaun University Nainital	2022-2027
2.	Member	Institutional Ethics Committee (IEC), Regional Ayurveda Research Institute (RARI), Tarikhet, CCRAS, New Delhi	2020-present
3.	Nodal Officer (Ranking)	Kumaun University Nainital NIRF, SIRF, India Today ranking etc.	2023 -till date
4.	Dean International Affairs	Kumaun University Nainital	2023-till date
5.	Member (Subject Expert)	BOS, Gurukul Kangri (Deemed to be University), Haridwar-UK	June 2024-May 2027
6.	Member (Subject Expert)	Board of Studies (BOS) of Vivek College of Technical Education at Vivek University, Bijnor (UP)	Since June 2025
7.	Member	Research Committee Graphic Era Hill University, Bhimtal	Since 2020
8.	Member	IQAC Committee KU	October 2023-
9.	Dean	Faculty of Technology, Kumaun University, Nainital	August 2019-31 July 2022
10	Head	Department of Pharmaceutical Sciences, Kumaun University,	2 March 2019-1 March 2022
11	Member	Executive Council, Kumaun University, Nainital	March 2021-July 2022
12	Convenor	Research Degree Committee of Pharmacy, Kumaun University, Nainital	March 2019-March 2022

13	Member	Academic Council, Kumaun University, Nainital	Since 2019
14	Member	Faculty Board, Faculty of Technology, Kumaun University, Nainital	2019-present
15	Hostel Warden	Girls Hostel, Bhimtal Campus, Kumaun University	2009-2011 and 2017-2018
16	Assistant Dean Students Welfare	DSW Board, D. S. B. Campus, Kumaun University, Nainital	2010-2011 and 2017-2019
17	Member: Advisory Committee	Continuing education Programme (CEP for Diploma Pharmacist, Uttarakhand Pharmacy Council, Dehradun	2013
18	Incharge	Departmental Examination Cell	2010-2014 2017-Feb-2022

#### Professional Bodies Membership:

- Association of Pharmaceutical Teachers of India (UA/LM-048)
- Registered in Uttarakhand State Pharmacy Council (Regd. No. 6534)
- International Natural Product Sciences Taskforce (INPST)
- Indian Society of Pharmacognosy (ISP)

#### Book Chapters:

1. Traditional health practices of Kumaoni women/**Archana Negi Sah**. *Contemporary Research Papers of Social Sciences: Vol. III: Empowerment of Rural Women: Status Challenges and Solutions*, Edited by P. Lakhera, R. C. Paliwal and K. Lakhera, **Mallika Books**, 2011, ISBN: 8189147102.
2. Plants with polyphenols from Uttarakhand: opportunities and challenges/**Archana N. Sah**, Sweta Bawari, Devesh Tewari. *Natural Resources and Biodiversity of Uttarakhand*, Edited by Mahesha Nand, **LAMBERT Academic Publishing**, November 2017, ISBN-9786202026413, International Edited Book.
3. Ageing and Ethnopharmacology/ Devesh Tewari, **Archana N. Sah**, Pooja Patni, Sweta Bawari. In book “*Ageing and Health care in India: Issues & Challenges*” Edited by Hari Singh Bisht, **Indu Book Services**, New Delhi, September 2018, ISBN: 978-93-86754-29-5.
4. Borage (*Borago officinalis* L.) and its pharmaceutical significance. *Nonvitamin and Nonmineral Nutritional Supplements (Elsevier)*. Devesh Tewari\*, Sweta Bawari, Pooja Patni, **Archana N. Sah**, Sep-Oct, 2018, ISBN 978-0-12-812491-8 pg 165-170.

5. Antioxidants and Smoking. Tanuj Joshi, **Archana N Sah**. *Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Disease*, **Nova Science Publishers**, New York, August 2018, ISBN: 978-1-53615-688-1, 57-72.
6. Relation of Food Additives with Adverse Health Effects. *Food Additives and Human Health*. **Bentham Science Publishers**. D. Tewari, P. Patni, S. Bawari, **Archana N. Sah**, May 2020, ISBN (Print): 978-981-14-4611-5, pg 269-277.
7. *Galanthus nivalis* L. (snowdrop). *Naturally Occurring Chemicals against Alzheimer's Disease*. **Elsevier Academic Press**. ISBN: 978-0-12-819212-2, Devesh Tewari, Tanuj Joshi and **Archana N. Sah**, **2021**, pg 301-315.
8. Nutrition and Nutraceuticals for Aging Brain, Tanuj Joshi and **Archana Negi Sah**. *Bioactive Nutraceuticals for Brain Disorders*, **Nova Science Publishers**, New York, 2021, ISBN: 978-1-53619-608-5, 3-26.
9. Functional Foods for Brain Health, Sweta Bawari and **Archana N. Sah**. *Bioactive Nutraceuticals for Brain Disorders*, **Nova Science Publishers**, New York, 2021, ISBN: 978-1-53619-608-5, 27-50.
10. Antioxidants and cataract/age-related macular degeneration, Laxman Singh, Pooja Patni, **Archana N Sah**, Devesh Tewari. *Antioxidants Effects in Health*, **Elsevier**, 2022, ISBN: 978-0-12-819096-8, page 641-650.
11. Introduction to High-Fat Diets, Bhuwan Chandra Joshi, Partha Sarathi Bairy, **Archana Negi Sah\***. *Everything You Need to Know About High-Fat Diets*, **Nova Science Publishers**, New York, 2023, ISBN: 979-8-88697-601-4, page 1-14.
12. *In-vitro* and *in-vivo* Anti-polycystic Ovarian Syndrome Activity of Medicinal Plants, Chandrakanta, Tanuj Joshi, **Archana Negi Sah\***, Sweta Bawari and Abha Tripathi, *Modern Trends in Medicinal and Aromatic Plants*, **Indu Book Services**, New Delhi, 2023, pg 46-66, ISBN: 978-93-91377-78-6.
13. A Unique Compilation of Whole-Systems Approaches to Curtail Colon Cancer Through Herbal Medicine, **Archana Negi Sah\***, Pooja Rawal, Maneesha Pathak, Bhuwan Chandra Joshi, Bhupendra G Prajapati, Colorectal Cancer- Disease and

- Advanced Drug Delivery Strategies, **Elsevier Academic Press**, November 2023, ISBN: 978-0-44-3138706.
14. Dietary Modifications to Manage Stress, Tanuj Joshi, Mukesh Nandave, and **Archana N. Sah\***, *Adaptation Under Stressful Environments through Biological Adjustments and Inventions*, Springer, 2023, pg 389-398, ISBN: 978-981-99-7651-5, ISBN: 978-981-99-7652-2 (eBook).
  15. Chikungunya Fever: Epidemiology, Clinical Manifestation, and Management. Chandrakanta; Prajapati, Bhupendra G; **Sah, Archana N.\***, 2024, Rising Contagious Diseases: Basics, Management, and Treatments, John Wiley & Sons, Inc., 181-198, ISBN: 9781394188710 (Print), 9781394188741(online).
  16. Natural Bioactives Used as Anti-stress. **Archana N Sah**, Maneesha Pathak, Pooja Rawal, Devesh Tewari, 2024, *Natural Scaffolds for Prevention and Treatment of Neurodegenerative Disorders*, Routledge-Taylor & Francis, ISBN: 9781032516431, AUGUST 2024
  17. Neema Bisht, Vishal, Sandeep Bisht, **Archana N Sah**, and Himanshu Joshi. AI Pharma Insights: Transforming the Future of Healthcare. *Challenges in Information, Communication and Computing Technology*, I Edition, e-Book ISBN: 9781003559085, Taylor & Francis, 2025, 191-196.
  18. Neema Bisht, Sandeep Bisht, **Archana N Sah**, Kanak Pandey, Sonia Pandey. Screening, Docking and ADME Studies of the Phytochemicals Present in *Rhododendron arboreum* Sm. Against Myocardial Infarction through Computational Approaches. *Challenges in Information, Communication and Computing Technology*, I Edition, e-Book ISBN: 9781003559085, Taylor & Francis, 2025, 359-364.

#### **Publications (Research/Review Papers):**

1. **Archana N. Sah**, Neha Karki and Neelakshi Singh. Antibacterial Activity of Some Traditionally Used Medicinal Plants. *Herbal Tech Industry*, July 2010, 6(7), pg 7-9.

2. **Archana N. Sah**, Vijay Juyal, Anand B. Melkani. Analgesic Activity of Fruit Decoction of *Citrus medica* Linn. *Journal of Pharmacy Research*, September 2010, 3(9), pg 2119-21.
3. R C Padalia, R S Verma, **A N Sah**, N Karki, V Sundaresan, D Sakia. Leaf and Rhizome Oil Composition of *Zingiber Officinale* Roscoe and Their Antibacterial and Antioxidant Activities. *Asian Journal of Traditional Medicines*, 01/2011, 6(2), pg 73-82.
4. **Archana N. Sah**, Vijay Juyal, Anand B. Melkani. Antimicrobial Activity of Six Different Parts of the Plant *Citrus Medica* Linn. *Pharmacognosy Journal*, April 2011, 3(21), pg 80-83, ISSN: 0975-3575.
5. **Archana N. Sah**, Amit Joshi, Vijay Juyal, Tirath Kumar. Antidiabetic and Hypolipidemic Activity of *Citrus medica* Linn. Seed Extract in Streptozotocin Induced Diabetic Rats, *Pharmacognosy Journal*, July 2011, 3(23), pg 80-84, ISSN: 0975-3575.
6. R C Padalia, N Karki, **A N Sah**, R S Verma. Volatile constituents of leaf and seed essential oil of *Coriandrum sativum* L. *Journal of Essential Oil Bearing Plants*, 09/2011, 14(5), pg 610-16. **Impact factor 2.4.**
7. R.C. Padalia, R.S. Verma, **A. Sah**, N. Karki, A. Chauhan, D. Sakia, and B. Krishna. Study on Chemotypic Variations in Essential Oil of *Cinnamomum tamala* (Buch.-Ham.) Nees et Eberm. and their Antibacterial and Antioxidant Potential. *Journal of Essential Oil Bearing Plants*, 01/2012, 15(5), pg 800-808. **Impact factor 2.4.**
8. Devesh Tewari, H K Pandey, **A N Sah**, H S Meena, A Manchanda, P Patni. Pharmacognostic, Biochemical and Elemental Investigation of *Ocimum basilicum* plants available in Western Himalayas. *International J of Research in Pharmaceutical and Biomedical Sciences*, Apl-June 2012, 3(2), 840-45.
9. Devesh Tewari, **Sah A N**, Pandey H K, Meena H S. A Review on Phytoconstituents of *Ocimum* (Tulsi). *International J of Ayurvedic Medicine*, 2012, 3(1), pg 1-9.



10. Devesh Tewari, H K Pandey, **A N Sah**, H S Meena, A Manchanda. Pharmacognostical and Biochemical Investigation of *Ocimum kilimandscharicum* plant available in Western Himalayan Region. *Asian J of Plant Science and Research*, 2012, 2(4), 446-51.
11. S Patni, **Archana N Sah**, H S Meena, H K Pandey, A Manchanda. Physico-chemical, phyto-chemical and elemental analyses of stem bark and roots of *Berberis asiatica*. Pelagia research library: *Advances in Applied Science Research*, 2012, 3(6), 3624-28.
12. A Rawat, M Mohsin, **A N Sah**, P S Negi, S Singh. Biochemical estimation of wildy collected *Ganoderma lucidum* from central Himalayan hills of India, Pelagia research library: *Advances in Applied Science Research*, 2012, 3(6), 3708-13.
13. A Rawat, M Mohsin, PS Negi, **AN Sah**, S Singh. Evaluation of polyphenolic contents and antioxidant activity of wildy collected *Ganoderma lucidum* from central Himalayan hills of India, *Asian Journal of Plant Science and Research*, 2013, 3(3), 85-90, ISSN: 2249-7412.
14. Devesh Tewari, Hemant K Pandey, **Archana N Sah**, Harsahay Meena, V. Chander, R. Singh, P. Singh. Phytochemical, antioxidant, and antidepressant evaluation of *Ocimum basilicum*, *O. tenuiflorum*, *O. kilimandscharicum* grown in India. *Journal of Biologically active Products from Nature* (Taylor and Francis Publishers), August 2015, 5(2), 120-131, ISSN: 2231-1866.
15. Devesh Tewari, **Archana N. Sah**, Anupam K. Mangal, Y.C. Tripathi. HPTLC Fingerprinting of *Swertia chirayita* (Roxb. ex Fleming) Karsten from High Altitude Area of Western Himalaya. *Analytical Chemistry Letters*, (Taylor and Francis Publishers), TACL 5(5) Dec. 2015, 251-259, ISSN: 2229-7928 (Print) 2230-7532 (Online).
16. Devesh Tewari, **Archana N. Sah**, Y.C. Tripathi, ,FkuksQkekZdWkyksth% oSKkfud fo'ys" k.k }kjk ikjEifjd Kku dk IR;kiuA Uttarakhand Council for Science & Technology Magazine (Vigyan Kshitz), 1-2, 2015, 1-4.

17. Devesh Tewari, **Archana N. Sah**. Ethnic Medicinal Knowledge: An Ancient Knowledge for the Healthcare and Livelihood of the People of Indian Himalaya. *SMU Medical Journal*, 3(1), January 2016, 264-274, ISSN: 2349-1604.
18. Devesh Tewari, **Archana Sah**, Hemant Pandey. Comparative Volatile Oil Composition of Three *Ocimum* Species from Western Himalaya. *Journal of Essential Oil Bearing Plants* (Taylor and Francis Publishers), 19(6), 30 November 2016, 1487-1494, ISSN: 0972-060X (Print) 0976-5026 (Online). **Impact factor 2.4.**
19. **Archana N Sah\***, V Juyal, A B Melkani. Pharmacological evaluation of traditional claims of Himalayan *Citrus medica* Linn., *Indian Journal of Traditional Knowledge* (IJTK) NISCAIR, 16(2), April 2017, 290-296, ISSN: 0975-1068 (online) 0972-5938 (print). **Impact factor 1.273 (2016/17).**
20. Sweta Bawari, **Archana N. Sah\*** and Devesh Tewari. Urolithiasis: An Update on Diagnostic Modalities and Treatment Protocols. *Indian Journal of Pharmaceutical Sciences (IJPS)*, 79(2), March-April 2017, 164-174, ISSN: (0250-474X). **Impact factor 0.5.**
21. Devesh Tewari, A Mocan, E Parvanov, **Archana N. Sah**, S M Nabavi, L Huminiecki, Z F Ma, Y Y Lee, J O Horbanczuk and A G Atanasov, Ethnopharmacological approaches for therapy of jaundice: Part I. *Frontiers in Pharmacology*, 8:518, August 2017, 1-18, ISSN: 1663-9812, **Impact Factor 5.6.**
22. Devesh Tewari, A Mocan, E Parvanov, **Archana N. Sah**, S M Nabavi, L Huminiecki, Z F Ma, Y Y Lee, J O Horbanczuk and A G Atanasov, Ethnopharmacological approaches for therapy of jaundice: Part II. Highly used plant species from Acanthaceae, Euphorbiaceae, Asteraceae, Combretaceae, and Fabaceae Families. *Frontiers in Pharmacology*, 8:519, August 2017, 1-14, ISSN: 1663-9812, **Impact Factor 5.6.**
23. Swati Patni, Neeraj Kumar, **Archana N. Sah**, Harsahay Meena, Munish Batra Comparative hepatoprotective and antioxidant activity of *Berberis asiatica* stem

- bark and root. *Egyptian Pharmaceutical Journal*, 16(3), Dec 2017, 184-191, ISSN: 1687-4315 (Print), 2090-9853 (Online).
24. Devesh Tewari, Adrian Mateusz Stankiewicz, Andrei Mocan, **Archana Negi Sah**, Nikolay Tzvetkov, Lukasz Huminiecki, Jarosław Olav Horbańczuk and Atanas G. Atanasov. Ethnopharmacological approaches for dementia therapy and significance of natural products and herbal drugs. *Frontiers in Aging Neuroscience*, 10 (Article 3), February 2018, 1-24, **Impact Factor 4.8**.
25. Devesh Tewari, **Archana N Sah**, Sweta Bawari. Pharmacognostical evaluation of *Rhododendron arboreum* Sm. from Uttarakhand region of western Himalaya, *Pharmacognosy Journal*, 10(3), May-Jun 2018, 527-532, ISSN: 0975-3575.
26. Devesh Tewari, **Archana N. Sah**, Sweta Bawari, Himanshu Sharma, Anupam K. Mangal. Pharmacognostical evaluation and HPTLC fingerprinting identification of *Ficus palmata* Forssk. (*Bedu*) from Western Himalaya. *Current Bioactive Compounds*, Bentham Science Publisher, 14(2), 2018, 180-190, ISSN: 1875-6646 (online), 1573-4072 (print).
27. Sweta Bawari, **Archana N. Sah**, Devesh Tewari. Antiurolithiatic Activity of *Daucus carota*: An *in vitro* Study. *Pharmacognosy Journal*, 10(5), Sep-Oct, 2018, 880-884, ISSN: 0975-3575.
28. Neema Bisht, **Archana N Sah**. Impact of recent trends in drug discovery and development. Organic and Medicinal Chemistry (OMICS, J P Juniper Publishers), 8(2), March 2019, 001-003, ISSN: 2474-7610. **IF 1.378**
29. Rosa Anna Vaccaa,\*, Sweta Bawari, Daniela Valentia, Devesh Tewari, Seyed Fazel Nabavic, Samira Shirooiee, **Archana N. Sah**, Mariateresa Volpicella, Nady Braidyg, Seyed Mohammad Nabavi, Down syndrome: Neurobiological alterations and therapeutic targets. *Neuroscience & Biobehavioral Reviews* (Elsevier), 98(2019), 234-255, ISSN: 0149-7634, **Impact Factor 8.2**.
30. Devesh Tewari, **Archana N. Sah**, Y.C. Tripathi. Chemical Composition of *Angelica glauca* Roots Volatile Oil from Indian Himalayan Region by GCMS.

*Journal of Essential Oil Bearing Plants* (Taylor and Francis Publishers), 21(6), 11 March 2019, 1636-1641, ISSN: 0972-060X (Print) 0976-5026 (Online). **Impact factor 2.4.**

31. Tanuj Joshi, Singh AK, Haratipour P, Archana Negi Sah, Abhay K. Pandey, Rozita Naseri, Vijay Juyal, Mohammad H. Farzaei. Targeting AMPK signaling pathway by natural products for treatment of diabetes mellitus and its complications. *Journal of Cellular Physiology*, March 2019; 1–20, **ISSN:** 0021-9541 (print); 1097-4652 (web). **Impact factor 5.6.**
32. Sweta Bawari, **Archana N Sah**, Devesh Tewari. Anticalcifying effect of *Daucus carota* in experimental urolithiasis in Wistar rats. *Journal of Ayurveda and Integrative Medicine*, Elsevier, April 2019, **Impact factor 2.4.**
33. Sweta Bawari, Devesh Tewari, Sandro Arguelles, **Archana N Sah**, Seyed Fazel Nabavi, Suowen Xu, Rosa Anna Vacca, Seyed Mohammad Nabavi, Samira Shirooie. Targeting BDNF signalling by natural products: novel synaptic repair therapeutics for neurodegeneration and behaviour disorders. *Pharmacological Research*, Elsevier, September 2019, ISSN: 1043-6618, **Impact Factor 5.3.**
34. Devesh Tewari, **Archana N Sah**, Sweta Bawari, SF Nabavi, AR Dehpour, S Shirooie, N Braidy, BL Fiebich, RA Vacca, SM Nabavi. Role of Nitric oxide in neurodegeneration: function, regulation, and inhibition. *Current Neuropharmacology*, Bentham Science, April 2020 (online), 1/2/2021 (Print) ISSN: 1875 6190 online, 1570 159X print, **Impact Factor 5.3.**
35. Laxman Singh, Tanuj Joshi, Devesh Tewari, Javier Echeverría, Andrei Mocan, Archana N Sah, et al., Atanas G Atanasov. Ethnopharmacological applications targeting alcohol abuse: overview and outlook. *Frontiers in Pharmacology*, 10:1593, February 2020, 1-33, ISSN: 1663-9812, **Impact Factor 5.6.**
36. Devesh Tiwari, **Archana N Sah**, Sweta Bawari, Rainer W Bussmann. Ethnobotanical investigations on plants used in folk medicine by native people of Kumaun Himalayan Region of India. *Ethnobotany Research and Applications*, 20, July 2020, 1-35, ISSN:15473465, **Impact Factor 1.03.**

37. Sunita Waila Tiwari, **Archana Negi Sah**. Effect of Apricot Fruit and Kernel Extracts on *in-vitro* Dissolution of Cholesterol Gallstones: Implication for Development of Potent Anti-cholelithiatic agent. *Indian Journal of Pharmaceutical Education and Research*, Vol 54, Issue 3, Jul-Sep, 2020, 755-60, ISSN: 0019-5464, **Impact Factor 0.8**.
38. Sunita Waila Tiwari, **Archana Negi Sah**. Pharmacological screening of *Prunus armeniaca* L. Kernel extract for antistress activity in different experimental animal models by *in vivo* methods: a natural remedy to stress. *International Journal of Biology, Pharmacy, and Allied Sciences* (IJBPAS), August, 2020, 9(8): 1994-2005 ISSN: 2277-4998. [UGC-Care, Group II Journal \(WOS\)](#).
39. Sweta Bawari, Archana N Sah\*, Devesh Tewari\*, Excavating the antiurolithiatic potential of wild Himalayan cherry through *in vitro* and preclinical investigations. *South African Journal of Botany*, March 2021, Elsevier, ISSN: 0254-6299, **Impact Factor 3.1**.
40. Neema Bisht, **Archana N Sah**, Sandeep, Himanshu Joshi. Emerging Need of Today: Significant Utilization of Various Databases and Softwares in Drug Design and Development. *Mini Reviews in Medicinal Chemistry*, Bentham Science Publishers, 21(8), May 2021, ISSN: **1875-5607 (Online)**, **1389-5575 (Print)**, **Impact Factor 3.8**.
41. Devesh Tewari, Pawan Gupta, Sweta Bawari, **Archana N. Sah**, Davide Barreca, Maryam Khayat Kashani and Hamid Reza Khayat Kashani. Himalayan *Ficus palmata* L. Fruit Extract Showed *In Vivo* Central and Peripheral Analgesic Activity Involving COX-2 and Mu Opioid Receptors, ***Plants***, August 2021, ISSN: 2223-7747, **Impact Factor 4.5**.
42. Pooja Rawal, NN, **Archana N Sah**...A Comparative Study of Antioxidant Potential and Phytochemical Contents of Different Extracts of Wild *Nasturtium officinale* W.T. Aiton Collected from Kumaun Region of Uttarakhand. *Defence Life Science Journal* (Scopus), October 2021, pISSN: 2456-379X eISSN: 2456-0537.

43. Shubhangi Mehra, **Archana Negi Sah\***. *Hypericum oblongifolium*: A Review. International Journal of Pharmacognosy, 8(10), 31 October 2021, E-ISSN: 2348-3962, P-ISSN: 2394-5583
44. Bhuwan Chandra Joshi, Piyush Verma, Vijay Juyal, **Archana N Sah**. A Review on Himalayan Medicinal Plants Against Cancer. *Current Traditional Medicine*, 12 January 2022, Bentham Science Publishers, ISSN (Print): 2215-0838, ISSN (Online): 2215-0846, <http://dx.doi.org/10.2174/2215083807666211124100506> , IF **0.6**.
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#### Patents: Published & Granted

Title	Appl. No./ Researcher	Publication/Granted Date	Current status
“An herbal beverage for prevention and therapeutic management of depression and methods of preparation thereof”	Application No. 201811034116 A <b>Investigators-</b> 1) Devsh Tewari 2) <b>Archana Negi Sah</b> 3) Sweta Bawari 4) Pooja Patni 5) Manish Bhoyar <b>Applicants-</b> 1)Devsh Tewari 2) Manish Bhoyar	28/09/2018 (Published)  11/02/2025 (Granted)	Granted Certificate issue date 11/02/2025

#### Research Projects:

Title of the project	Funding agency	Amount (Rs)	Year
PAIR-Project in association with IISc Bangalore Spoke Institute-KU	ANRF (C0-PI)	-	2025
“Exploring the Antidiabetic Potential of Medicinal Plants of Uttarakhand and	CM Higher Education Research Promotion Scheme, Govt. of Uttarakhand	13,01,750	2024-25 to 2027 Start Date March 2025

Standardization of Active Extract for Therapeutic Application”	<b>(PI)</b>		
Development of pharmacognostic tools for value addition of medicinal plants used by local healers in the highlands of Kumaun	CM Higher Education Research Promotion Scheme, Govt. of Uttarakhand <b>(CO-PI)</b>	10.36 Lakh	2024-2026
Chemical Analysis of <i>Hypericum oblongifolium</i> for its active phytoconstituents & evaluation of antiurolithiatic activity of a polyherbal formulation	Kumaun University Internal Funding for Research-KUIFR <b>(PI)</b>	2 Lakh	2024-2025
Chemical Analysis, Development of Quality Standards for Identification, Safety and Efficacy of Some High Altitude Medicinal Plants	Kumaun University Nainital under Innovative Research Activities Scheme (UGC) <b>(CO-PI)</b>	1.25 Lakh	2016-2017 Completed

Date: 18-07-2025

Place: Bhimtal (Nainital)

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