

Bio-data of Dr. Devendra Singh

- 1. Full Name:** Dr. DEVENDRA SINGH
- 2. Father's Name:** Sh. Radhey Lal
- 3. Department:** Applied Sciences
- 4. Current Designation & Grade Pay:** Assistant Professor, AGP 6000/-
- 5. Date & Place of Birth:** 20/02/1981, Nagla Roond, Uttar Pradesh
- 6. Gender:** Male
- 7. Marital Status:** Married
- 8. Nationality:** Indian
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- 10. Permanent Address:** Village-Nagla Roond, Post- Dharampur,
District- Bulandshahr-202393, Uttar Pradesh, India.
- 11. Academic Qualifications:**
1994: High School, Science group, UP Board, Allahabad
1997: Intermediate, Science group, UP Board, Allahabad
2000: B. Sc (PCM), Dr. BRA University, Agra
2002: M. Sc. (Physics), Dr. BRA University, Agra
2009: Ph. D., Gurukula Kangri University, Haridwar
Title of Thesis: Effect of Electromagnetic Fields on Nerve Functioning
- 12. Membership of Academic Bodies:**
Indian Association of Physics Teachers
- 13. Teaching Experience:** Approximately 16 years (UG&PG).
- 14. Field of Specialization:**
Electronics
Bio-Physics & Engineering Physics

15. Research Publications:

1. P.P. Pathak & Devendra Singh, Mechanism of wound healing by PEMF stimulation, J. Natural & Phys. Sci., 2007, 21, 11.
2. Devendra Singh & P. P. Pathak, Wound closure under the influence of DC field, J. Environmental conservation, 2016, 17(1-2):13-15.
3. Devendra Singh, Comparative Study of DC & AC wound healing stimulation, J. Environmental conservation, 2020, 21 (1&2):173-175.
4. Devendra Singh, A Study on Influence of Electric Field on Wound Healing, J. Xi'an University of Architecture & Technology, 2020, 12(4): 4019-4022.
5. Ashish Tomar, Devendra Singh, Ankur Kumar & P.P. Pathak, Investigation of Radon as an Earthquake Precursor, J. Xi'an University of Architecture & Technology, 2020, 12(3): 5652-5656.
6. Ankur Kumar, Tushar Arora, Prakhar Singh, Kuldeep Singh, Devendra Singh & P.P. Pathak, Quantification of Radiological dose and chemical Toxicity due to Radon and Uranium in drinking Water of Indian Himalaya, J. Elsevier, 2020, doi no. 100491(In Press).

16. Paper Presented in Conference/Seminars:

A. International Conference:

1. Bone and soft tissue repair by electric and magnetic fields. P.P. Pathak, Devendra Singh & R.Swarup, XXVIIIth General Assembly of URSI, NPL New Delhi, Oct. 2005.
2. Electric Field and Heat Induced in Blood from Radio Antenna, Devendra Singh, World Congress for Man and Nature on 'Global Climate Change & Biodiversity Conservation' Gurukula Kangri University, Haridwar, Nov. 2011.
3. Bio - thermal effect due to radiation from broadcasting antenna, Hemendra Tripathi, Devendra Singh, Shivani Avasthi & P.P. Pathak, International Conférence on Green Technologies for Environnemental Réhabilitation, Gurukul Kangri Univ. Haridwar, Feb. 2012.
4. Wound healing by magnetic field, Devendra Singh, Hemendra Tripathi & P.P. Pathak, International Conférence on Green Technologies for Environnemental Réhabilitation, Gurukul Kangri Univ. Haridwar, Feb. 2012.

5. Fourier Transform Raman Spectrum of Biomolecule: 2 – Thiouracil, M.A. Palafox, Sunil Panwar, Devendra Singh, Chatar Singh, R.P. Tanwar and V.K. Rastogi, International Conference on Green Technologies for Environmental Rehabilitation, Gurukul Kangri Univ. Haridwar, Feb. 2012.
6. Effect of DC Field (12V) on Plant Healing, Devendra Singh, International Conference on 'Recent Advancements in Panchkarma' Uttarakhand Ayurveda University, Rishikula Campus, Haridwar, March 2016.
7. E-bandage Generates Electricity Speed in Wound Healing, Devendra Singh, International Conference on 'Interdisciplinary Research for Sustainable Development: Innovations & Opportunities' Vardhman College, Bijnor, Feb. 2020.

B. National Conferences:

1. Mechanism of bone fracture healing by pulsed electromagnetic field simulation, Devendra Singh & P.P. Pathak, 2nd Uttaranchal State Science Congress, U.A.A. Nainital, Nov., 2007.
2. P.P. Pathak & Devendra Singh, Mechanism of wound healing by electrical stimulation, Golden Jubilli Symposium of Radio Science (INCURSI-2007), Feb, 2007.
3. Effect of Magnetic Field on Optical Spectra, Devendra Singh, National Seminar on Medicinal Plants: Conservation, Cultivation and Utilization II, Gurukula Kangri University, Haridwar, March 2007.
4. Wound healing by direct current electrical stimulation, Devendra Singh & P.P. Pathak. 3rd Uttarakhand State Science & Technology Congress, I.I.T. Roorkee, Nov. 2008.
5. Effect of Electric Field on Cell Functioning, Devendra Singh, National Seminar on Environmental Management & Biodiversity Conservation, Omkaranand Institute of Management & Technology, Rishikesh, Feb. 2011.
6. Animal healing by electrical stimulation, Devendra Singh, Hemendra Tripathi and P.P. Pathak: National Seminar on Innovations and Applications in Engineering & Applied Sciences, Gurukul Kangri Univ., Haridwar, Nov. 2011.
7. Electric field and heat induced in blood due to radiation from radio antenna, Hemendra Tripathi, Devendra Singh, Vijay Kumar & P.P. Pathak: World Congress for Man and Nature on Global Climate Change & Biodiversity conservation, Gurukul Kangri Univ., Haridwar, Nov. 2011.

8. Comparative study of Electrochemical healing in animals and plants, Hemendra Tripathi, Devendra Singh and P.P. Pathak: 6th Uttarakhand State Science & Technology congress-2011, Kumaon University Campus Almora, Nov. 2011.
9. Influence of AC stimulation on wound healing, Devendra Singh and Vivek Goel, National Conference on Progress in Electronics and Allied Sciences, Gurukul Kangri Univ. Haridwar, Nov. 2012.
10. 'Mahamana Malviya ke Chintan ke Pariprekshya men Bharat ka Abhyauday', Devendra Singh, Rashtriya Sangoshthi, Gurukula Kangri University, Haridwar, Jan. 2013.
11. Influence of dc field (5V) on plant growth, Devendra Singh & P.P. Pathak, National Conference on emerging trends in engineering & Sciences, Gurukul Kangri Univ. Haridwar, Nov. 2013.
12. Effect of dc field on the germination, Devendra Singh & M.P. Singh, National Conference on, Recent Engineering trends in Energy, Environment & Ecology (RETEEE), Sept. 2014.
13. Effect of Electromagnetic field on the Seed Germination, Devendra Singh, National Seminar on 'Economic Upgradation: Environmental Degradation' Omkaranand Institute of Management & Technology, Rishikesh, Jan. 2014.
14. Correlation of matter & Consciousness in Vedas, Devendra Singh, National Conference on 'Vaishiwak Gyan-Vigyan ke Pariprekshya men Vedon ki Prasangikata' Gurukul Kangri Univ. Haridwar, March 2015.
15. Effect of Low Magnetic Field on Germination of Seed, Devendra Singh, National Conference on 'Science and Technology for Human Development' Gurukula Kangri University, Haridwar, March 2015.
16. Effect of Magnetic Field on Seed Germination, Devendra Singh, National Conference on 'Impact of Rapid Advancements in Management, Science and Technology (IRAMST 2015)', Rajshree Institute of Management & Technology, Bareilly, U.P., Dec. 2015.
17. Effect of PEMF on Plant Growth, Devendra Singh, National Conference on 'Microbial Inoculants for Agriculture and Environmental Sustainability (MAES-2018), Gurukula Kangri University, Haridwar, Sept. 2018.
18. Effect of Pulsed Electromagnetic Field on the Germination, Devendra Singh, 7th National Conference on 'Implications of Management Theories on Literature Education, Social Science and Cultural Issues', Gurukula Kangri University, Haridwar, Sept. 2018.

19. Effects of Magnetic Field on Biological Systems, Devendra Singh, National Conference on 'Science and Technology: Rural Development', Gurukula Kangri University, Haridwar, Feb. 2020.

17. Orientation/Refresher

1. Orientation Programme, UGC-ASC, Rani Durgawati University, Jabalpur, July 23 to Aug. 18, 2012.

2. Winter School, UGC-ASC, Pt. Ravi Shanker Shukla University, Raipur, Nov. 01 to Dec. 21, 2013.

18. Workshops:

National workshop on '**Research Methodology in Sciences & Technology**' held at department of Zoology & Environmental Science, Gurukula Kangri University, Haridwar, Oct. 04 to 13, 2018.

19. Short Term Courses:

One Week Short Term Course on '**Effective Teaching Skills**' held at UGC-HRDC Pondicherry University, Pondicherry, Jan. 03 to 09, 2019.

20. International Books:

1. Fundamentals of Electronics

2. Environmental Technology (only one chapter)

Date: 10/28/2020

(Dr. Devendra Singh)