**DR. HARILAL U. GANGAR**

**INDIA**

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**Date of Birth**: **10-11-1944**

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**Brief summary**

**Experience:** More than45 years of experience in engineering, agriculture, homoeopathy as well as conducting relevant research in these fields.

**Academic Qualification:** Doctorate in Mechanical Engineering and Degrees in Electrical Engineering, Electronics and Telecommunication Engineering and Homoeopathy

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**Expertise**

* Scaling up the emerging technologies from laboratory level to pilot plant level and finally from pilot plant level to industrial level. Designing and installation of commercial plants for production of biogas, mushroom, paper, composting etc. from agro-wastes
* Research study on “effects of homoeopathic drugs on plant bodies”
* Management of commercial Teleports

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**Key Engagements**

**Last: (From 01/4/2006 to 01/6/2016)** As a Consultant in a commercial Teleport (earth station to satellites)

**Activities**

Technical Administration of Teleport including providing and maintaining different infrastructure and services like Air-conditioning, electrical installations & supply, Stand by D.G., UPS, Pest Control etc...

HRD functions

Handling export/import of broadcasting equipment, Insurance Claims, Cess, Agreements, Property Tax, Regulatory matters, etc....

Involved in planning of new projects, procurement process and installation of additional chain of broadcasting equipment (MCPC network, modulators, up-converters, HPAs, Routing and Monitoring equipment etc.) for up linking of TV Channels

**Previous:** **(From 1/11/1981 to 30/11/2004)** In Central Institute for Research on Cotton Technology (Indian Council of Agricultural Research) as Head of Engineering & Workshop Unit

**Activities**

Providing and maintaining different infrastructure and services like Air-conditioning, electrical installations & supply, various equipment and instruments, residential and non-residential buildings, lifts, water supply & pumps, fabrication of small gadgets and equipment, dry risers, fire-fighting equipment etc…

Conducting research projects as well as designing and installation of pilot plants and industrial plants in relevant industries for processing agro-wastes.

**Earlier: (From 10/6/1969 to 31/10/1981)** In Central P.W.D. as Junior Engineer

**Functions**

Providing and maintaining different infrastructure and services like Air-conditioning, electrical installations & supply, various equipment and instruments, electrical maintenance of residential and non-residential buildings, lifts, water supply & pumps etc..

**Brief summary of activities during these engagements**

* Actively involved in research activities.
* Planning, designing, installing, commissioning and maintaining of engineering services in research institutes, airports, government buildings and teleports
* Performing administrative and HRD functions.
* Handling (occasionally) insurance, regulatory, import – export of equipment, property taxes, agreements with clients etc.
* Management of Research Institute (as a management committee member) and Teleport.
* Coordination and liaising with various agencies
* Transferring the new technologies from laboratory to large industries
* Designing and installing pilot plants for treating agro-wastes, working out feasibility reports on the basis of data obtained from its working and convincing relevant industry about feasibility.
* Planning, designing, installing and commissioning of biogas plants from agro-wastes in large industries

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**Achievements**

* Designed, installed and commissioned economically feasible plants for production of biogas, mushroom, compost etc from agro-waste in leading agro-industries.
* Introduced and initiated scientific study on agro-homoeopathy.
* Introduced ‘Transplant-less stem cell therapy”.
* Published book (monograph) entitled “Management of Genetic Processes and Biological Clock”.
* Published and/or presented research papers in national and international scientific journals.
* One of the founder members of ‘Indian Fiber Society’
* Functioning as a reviewer for number of international scientific journals and on

Advisory Boardof international scientific journal “[BIOINFO Renewable & Sustainable Energy](http://www.bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000207&detail=editorial)"

* Received ‘Studentship Award’ from Institution of “Electronics and Telecommunication Engineers” for securing highest marks at first attempt in final examination held throughout India.

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**Other activities**

* Carrying out further research in Homoeopathy and Agriculture
* Providing homoeopathic treatment (on charity) to patients
* On panel as ‘Expert’ (Medical Research) at “Central Council for Research on Homoeopathy” for evaluation of research projects involving agro-homoeopathy

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**Academic details**

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| **Degree** | **Subject** | **Institution** | **Year** |
| B. E. | Electrical Engineering | University of Mumbai | 1967 |
| Grad IETE | Electronics & Telecommunication | IETE | 1976 |
| Ph. D | Mechanical Engineering | University of Mumbai | 2002 |
| CSGM | Homoeopathy | Grand Mission | 2002 |
| RMP | Bio-Chem | ICAM | 2002 |

**PUBLICATIONS**

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**BOOK**

Harilal Gangar, **“Management of Genetic Processes and Biological Clock”** Monograph,Lambert Academic Publishing, (Germany), 11th November, 2013

**PAPERS**

**Biological Science**

Dr H U Gangar, “**Controlling Biological Processes by Modifying Genetic Signals”** InternationalJournal of Integrative Sciences, Innovation and Technology, Vol. 9, Issue 2, Pg 1-9, **July, 2020**

**Quantum Physics & homoeopathy**

Harilal U Gangar, **“**[**Homoeopathic drugs can control genetic processes by quantum hand”**](https://www.linkedin.com/redir/redirect?url=http%3A%2F%2Fwww%2Einnpharmacotherapy%2Ecom%2FCurrent%2Easpx%3FVolumeID%3D2&urlhash=qw5n&trk=prof-publication-title-link)

#### Innovations in Pharmaceuticals and Pharmacotherapy, November 2, 2014

**Electro-homoeopathy**

Harilal U Gangar, **“Water Medicated with Homoeopathic Drug, Emits Oscillating Electro-**

**Magnetic Waves (Signals)”** Int. J. Pharm. Sci. Rev. Res., 25(2), **Mar – Apr 2014**; Article No. 24, Pages: 125-127

**Stem cell**

Gangar H. U., **“Introduction to Transplant-less Stem Cell Therapy”** International Journal of Pharma Research andReview, Volume 5, Issue 3, **November - December 2010**

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## Gangar H. U., **‘Remote-Controlling’ of Stem Cell Differentiations with Homeopathy’** THE HOMOEOPATHIC HERITAGE, **February 2011**

## **Genetics**

Gangar H. U., **‘Management of Genetic Activity through Homoeopathy’**, International Journal of Pharma and Bio Sciences V1(2)**2010**  
  
Gangar H. U., **‘Management and Control of Genetic Processes in Cotton Plants through Homoeopathy’**, Indian Journal of Research on Homoeopathy, **2007**, 1, 1-5 (CCRH Publications)  
  
Gangar H. U. and Sudha Tiwari, **‘Homoeopathy: A Superior Substitute of Genetic Engineering for Cotton Cultivation’**, (in Hindi) Bhartiya Vaigyanik evam Audyogik Anusandhan Patrika, **June 2004,** 1, 80-83 (ICAR Publications)   
  
Gangar H U., **‘Management and Control of Genetic Processes in Cotton Plants through Homoeopathy’** Indian Farming, Vol. 56, No. 11, **Feb., 2007** (ICAR Publications)

**Agro-homoeopathy**

Gangar H. U., **‘Effect of Homoeopathic Drugs on Cotton Plants’**, Natural Product Radiance, Vol. 6(2), **2007**, pp. 138-141 (CSIR Publications)

Gangar H. U., **‘Revolution in cultivation is possible by using Homoeopathic medicines’** (in Hindi), Kheti Dunia, **15/11/2003**.  
  
Gangar H. U. and Sudha Tiwari **‘Homoeopathy: A Superior Substitute of Genetic Engineering for Cotton Cultivation’** Paper presented in 3rd Indian Science Congress (Hindi), New Delhi, 19-21 **Feb., 2004.**                    
  
Gangar H. U. **‘Signals of Revolutions in Agriculture by Homoeopathy’** (in Hindi) Krishi Mangal, **April 2004**  
Gangar H. U., **‘Signs of Revolution in Agriculture through Homoeopathy’** (in Hindi) Unnat Krishi, **May-June, 2004**

**Biogas from cellulosic waste**

Gangar, H.U., Mantha, S.S., Shaikh, A.J. and Balasubramanya, R.H., (1999), **‘Commercial Plants for Biogas Production from Textile Mill Waste’**, The Textile Industry and Trade  Journal, 37(1), 64-67.  
  
Gangar,  H.U. and Balasubramanya, R.H., (1983),**’Improved design  for the production of  gobar-gas  from  cow-dung’**,   Invention Intelligence, 18 : 503-504.  
  
Khandeparkar,  V.G., Balasubramanya, R.H. Gangar,  H.U.  and Sundaram, V.,  (1985), **‘Pilot plant to study the production of  biogas and biomanure from willow-dust, a Textile-mill waste’**, Indian Soc. Cotton Imp. J., 10 : 140-142.  
  
Sundaram,  V., Khandeparkar, V.G., Balasubramanya, R.H.  and Gangar, H.U., (1986), **Biogas from willow-dust, a textile  processing residue**, Indian Cotton Mill Fed. J., 22 : 28-32.   
  
Balasubramanya, R.H., Gangar, H.U., Khandeparkar, V.G.,  and Sundaram, V., **‘Production  of  Biogas  and  Biomanure  from  Willow-dust, a  Textile Mill Processing  Residue’**, Encyclopedia  of Environmental Control Technology, Vol.  4, Ed.  P.N. cheremisinoff, p. 389-409, 1990, Gulf Publishing Co., Houston Texas.  
  
Balasubramanya,  R.H., Gangar, H.U. and Khandeparkar,  V.G., **‘Production  of Gaseous Fuel from Willow-dust by Solid  State Fermentation’**, Paper presented at Specialist Group Meeting  & Symposium  on  Solid State Fermentation  held  at Regional Research Laboratory, CSIR, Trivandrum, between 23-24  March, 1994.   
  
Balasubramanya,  R.H., Gangar, H.U. and Khandeparkar,  V.G., **‘Biogas from Cellulosic Wastes by Solid State  Fermentation’**, paper  presented at the 35th Annual conference of  the Association  of Microbiologists of India, held between  9-12 Nov. 1994 at Defence Food Research Laboratory, Mysore,   
  
R.H. Balasubramanya, H.U.Ganger & V.G. Khandeparkar  **“Production of biogas from press-mud and bagasse by solid state fermentation”** Microbes for Better Living, by K.S.Manga & Rugmini, Sankaram, Sept.1995.  
  
Balasubramanya,  R.H., Gangar, H.U. and Khandeparkar,  V.G., **’Biogas from Cellulose Waste’**, paper presented at National Seminar on Century of Cotton, held at Surat on 21/12/1996.  
  
Balasubramanya, R.H. and Gangar, H.U., **’Semi-continuous Biogas Plant for the Production of Methane from Willow-dust’**, paper presented at the 13th National Convention of Textile Engineers on October, 3-4, 1998 at Solapur

**Paper from cellulosic waste**

Gangar, H.U., Mantha, S.S., Shaikh, A.J. and Balasubramanya, R.H., (2000), **‘Commercial Plants for Producing Paper Grade Pulp by a Novel Anaerobic Process’**, IPPTA,12(3), 43-48.

**Mushroom**

Balasubramanya,  R.H., Gangar, H.U. and Meera Pimplaskar, **‘An Inexpensive Pretreatment of Cellulosic Materials for Seeding Oyster Mushrooms – A case Study’**, Proc.15th International Congress on Science and Cultivation of Edible Fungi held at Maastricht, The Netherlands from May 15-29,2000.

**Compost**

Balasubramanya, R.H. and Gangar, H.U., **‘Production of Compost from Willow-dust’**,  Proc. National Workshop on Energy and Environment  Management for Sustainable Development of Agriculture and Agro – Industrial Sector, held at Bhopal during July 8-9, 2001 and organised by the Institution of  Engineers (India), Madhya Pradesh State Centre, Bhopal and CIAE, Bhopal.  
  
Balasubramanya, R.H. and Gangar, H.U., **’Solid Waste Management of Textile Mill Waste’**, paper presented at the 8th International Waste Management and Landfill Symposium held at Cagliari, Italy from October 1-5, 2001  
  
 **Knitting**  
  
Gangar H. U. and Muntazir Ahmad, **‘The Art of Hand Knitting’**, Fashion and Beyond, 2003  
  
Muntazir Ahmad and Gangar H. U., **‘Art of Knitting: Path to Modern Industry’**, The Indian Textile Journal, January, 2002.  
  
Gangar H. U. and Muntazir Ahmad, **‘Hand Knitting’, National Seminar on ‘Future Prospects of Knitting and Kniwear’** at CIRCOT, Mumbai, December, 2002.   
  
Gangar H. U. and Muntazir Ahmad, **‘Knitting Action by Hand Knitting Pins’ National Seminar on ‘Future Prospects of Knitting and Kniwear’** at CIRCOT, Mumbai, December, 2002.   
  
Muntazir Ahmad and Gangar H. U., **Knitting Techniques**, National Seminar on ‘Future Prospects of Knitting and Kniwear’ at CIRCOT, December, Mumbai December, 2002.