

## CURRICULUM VITAE (CV) OF JANAKARAJ MURALI

1. **Name:** Dr Murali Janakaraj
2. **Date of Birth:** 9<sup>th</sup> July 1972    **Citizenship:** Indian    **Residency:** UAE
3. **Name of the Organization:** InnoTek Solutions DWC-LLC
4. **Total years of experience :** 25 years
5. **Education**



- **PhD in Ecology and Environmental Sciences**  
Pondicherry Central University, Puducherry, India, **March 2010**
- **Diploma in Environmental Education Processes in Formal Education**  
Uppsala University, Uppsala, Sweden, **July 2006**
- **Post Graduate Diploma in Journalism and Mass Communication**  
Madurai Kamaraj University, Madurai, Tamil Nadu, India, **May 2002**
- **Master of Science in Biology**  
Annamalai University, Chithambaram, Tamil Nadu, India, **December 2000**
- **Bachelor of Science in Biology**  
Bharathidasan University, Trichy, Tamil Nadu, India **November 1992**

### 6. **Membership of Professional Associations:**

Board Member – Energy Farm International Foundation, Norway  
Member – Sharjah Electricity and Water Authority Advisory Team (September 2015 to August 2017)  
Member – Alleem Research and Development Centre  
Member – Arab Renewable Energy Commission (AREC) Jordan  
Member – IUCN Commission on Education and Communication (CEC)  
National Activator – IUCN-CEC for India (January 2009 to December 2013)  
Member – Clean Cook Stoves Network  
Member – Global Alliance for Clean Cook Stoves  
Reviewer – INDERSCIENCE Research Journals

### 7. **Fellowships/travel grants received/Accolades**

2016 – Brilliant Networker for 2015 conferred by Alleem Business Congress, Sharjah, UAE  
2014 – European Academy of Sciences travel grant to deliver keynote address at Arusha in Tanzania  
2013 – ECREEE travel grant to deliver keynote address in Burkina Faso, West Africa  
2010 – Roll of Honour for outstanding performance in TERI  
2009 – UNESCO travel grant to attend the international conference on Decade for Education for Sustainable Development organised by the United Nations and held in Bonn in Germany  
2004 – Swedish International Development Cooperation Agency (SIDA) fellowship to undergo a certificate course in Education for Sustainable Development in Sweden

### 8. **Countries of Work Experience:**

India, Kenya, Thanzania, Ethiopia, Jordan, Egypt, Oman and the United Arab Emirates

## 9. Languages

English – Professional proficiency    Tamil – Native

Hindi, Telugu, Kannada and Malayalam - Basic level to speak

## 10. Employment Record & Brief Responsibilities

### Key skills:

Strategic planning, proposal development, fundraising, grant administration, project management, trans-disciplinary action research, monitoring and evaluation of development projects, policy analysis, designing and implementing advocacy and campaigns, training, capacity building on applied environment, climate change adaptation, renewable energy and sustainable development..

<b>InnoTek Solutions DWC-LLC</b>	<b>Sep 2017 onwards</b>
<b>Executive Director</b>	<b>Team size: 7</b>
<ul style="list-style-type: none"> <li>✓ Spearheading key projects in the energy and water sectors</li> <li>✓ Government, client relations and overall management</li> </ul>	
<b>Environmental Solutions and Consultancy</b>	<b>Sep 2015 to Aug 2017</b>
<b>Director – International Projects</b>	<b>Team size: 25</b>
<ul style="list-style-type: none"> <li>✓ Overall direction and strategy for creating and successfully running energy and water verticle and managing consulting partnerships and projects in the Middle East and North Africa (MENA) Region.</li> <li>✓ Providing knowledge support to government, non-government agencies and corporate sector on clean energy and water solutions.</li> <li>✓ Government and client /donor liasioning and networking</li> </ul>	
<b>The Energy and Resources Institute (TERI), India</b>	
<b>Fellow &amp; Area Convenor (team leader)</b>	<b>April 2013 to August 2015</b>
<b>Number of Professionals reporting to me</b>	<b>7</b>
<ul style="list-style-type: none"> <li>✓ Research, policy, monitoring and evaluation studies on rural development and natural resources management</li> <li>✓ Customization and dissemination of renewable energy technologies and enterprise based solutions</li> <li>✓ Curriculum development, training and capacity building key stakeholders in rural development, energy and environmental themes</li> <li>✓ Providing knowledge support to government, non-government agencies and corporate sector on rural development, clean energy access and corporate social responsibility programmes</li> <li>✓ Proposal development, fundraising, donor coordination and networking</li> </ul>	
<b>The Energy and Resources Institute (TERI), India</b>	
<b>Fellow</b>	<b>September 2009 to March 2013</b>
<ul style="list-style-type: none"> <li>✓ Coordinating research, policy and advocacy activities on various issues related to renewable energy, environmental management and sustainability disciplines.</li> <li>✓ Rural energy and extension activities.</li> <li>✓ Research, policy studies, monitoring and evaluation of Natural Resources Management</li> <li>✓ Proposal development, fundraising, donor coordination and networking</li> </ul>	

<b>World Wide Fund for Nature India (WWF-India)</b>	
<b>Regional Coordinator</b>	<b>August 2005 to June 2009</b>
<b>Number of staff reported</b>	<b>15</b>
<ul style="list-style-type: none"> <li>✓ Coordinating environmental education, training programs and projects across India.</li> <li>✓ Designing of courses, training modules, production of teaching aid &amp; resource materials.</li> <li>✓ Monitoring, evaluation, policy and advocacy related to forests and coastal conservation issues</li> <li>✓ Fundraising, donor coordination and networking</li> </ul>	
<b>World Wide Fund for Nature India (WWF-India)</b>	
<b>Education Officer</b>	<b>August 2002 to July 2005</b>
<ul style="list-style-type: none"> <li>✓ Organizing and conducting environment, wildlife, sustainable development training and capacity building programs to various target groups.</li> </ul>	
<b>C.P.R. Environmental Education Centre</b>	
<b>Chief Project Officer</b>	<b>June 1997 to August, 2002</b>
<b>Number of staff reported</b>	<b>6</b>
<ul style="list-style-type: none"> <li>✓ Training teachers, government officials on various issues related to environmental management.</li> <li>✓ Production of resource materials, exhibits for education and awareness programs.</li> <li>✓ Organizing and conducting campaigns, action research, policy and advocacy</li> <li>✓ Administering small grants to NGOs in 6 States of India</li> </ul>	
<b>Manjushree Plantations Limited</b>	
<b>Assistant Field Officer</b>	<b>April 1994 to December, 1996</b>
<ul style="list-style-type: none"> <li>✓ Plantation management, handling of agronomy practices, labour management, training and maintenance of records.</li> </ul>	
<b>11. Skill set and some key achievements</b>	
<b>Teaching and Training</b>	Taught courses in environmental management, disaster risk reduction as visiting faculty in Government Training institutions in Tamil Nadu, Organized and conducted more than 100 training workshops in the past 18 years across India on various aspects of environmental management
<b>Policy and advocacy</b>	Extensive policy and advocacy work carried out on forestry, natural resources management and livelihoods (after the Indian Ocean tsunami in 2004)
<b>Fundraising</b>	Raised funding to the tune of US \$ 100 million from Government, Bilateral Agencies, Banks, Financial Institutions and Multinational Corporations
<b>Grant management</b>	Handled complete grant administration of government, bilateral and private donor funds with NGOs and institutions in India (soliciting, screening, selection, monitoring and evaluation)
<b>Publications</b>	Published many research papers, popular scientific articles, and co-authored three training guides on conservation. Creative and content support provided to a website on climate change issues.

## 12. Publications

### 12.1 Research Papers

H H Ninga Setty , Gopal Lasya, Reddy Veerabaswant and **Murali Janakaraj** (2018), Biomass Resources Assessment in Belagavi District, Karnataka, My Forest, Vol. 54(1):57-67p. Government of Karnataka, Bangalore, India,

Rahul Hiremath, Bimlesh Kumar, Sheelratan S. Bansode, Gurudas Nulkar Sharmila S. Patil and **J. Murali** (2016). Industrial Wastewater Management in the Context of Climate Change Adaptation in Selected Cities of India: A Business Approach. Reconsidering the Impact of Climate Change on Global Water Supply, Use, and Management, Edited by Prakash Rao and Yogesh Patil, IGI Global Press, U S A , ISBN: 9781522510468, 294-313,2016

Rahul Hiremath, Sheelratan Bansode, Bimlesh Kumar and **J.Murali** (2014). A Review of Biomimetics and Its Practices, Journal of Renewable Energy, Hindawi Publishing Corporation (Under review)

P. Raman, **J. Murali**, B.O Mouk; S.K Kirui (2014). Influence of the manufacturing process and materials on performance of biomass fired forced draft cook stoves. Energy, Elsevier (Under review)

P. Raman, N.K.Ram and **J.Murali** (2014) Improved test method for evaluation of bio-mass cook-stoves. Energy, Elsevier, Volume 71, 15 July 2014, pp. 479–495

**J. Murali** and Tamer Afifi (2013) Rainfall variability, food security and human mobility in the Jangir – Champa district of Chhattisgarh State, India, Climate and Development Journal, Taylor & Francis. Dec 2013. DOI 10.1080/17565529.2013.867248

P. Raman, **J. Murali**, D. Sakthivadivel, V. S. Vigneswaran (2013) Evaluation of Domestic Cookstove Technologies Implemented across the World to Identify Possible Options for Clean and Efficient Cooking Solutions, Journal of Energy and Chemical Engineering Oct 2013, Vol. 1 Iss. 1, pp. 15-26

Rahul B. Hiremath, P. Balachandra, Bimlesh Kumar, Sheelratan S. Bansode and **J.Murali**, (2013) Indicator based Urban Sustainability- A Review, Energy for Sustainable Development - Journal - Elsevier Volume 17, Issue 6, December 2013, Pp 555–563

P Raman, **J Murali**, D Sakthivadivel, VS Vigneswaran (2013). Performance evaluation of three types of forced draft cook stoves using fuel wood and coconut shell, Biomass and Bioenergy, Volume 49, February 2013, Pages 333-340.

P Raman, **J Murali**, D Sakthivadivel, VS Vigneswaran (2012). Opportunities and challenges in setting up solar photo voltaic based micro grids for electrification in rural areas of India, Renewable and Sustainable Energy Reviews, Volume 16, Issue 5, June 2012, Pages 3320–3325

**J. Murali** and G. Poyyamoli (2010). Developing Indicators for Monitoring Tourism and Sustainability in Rameswaram, a Buffer Area in the Gulf of Mannar Marine Biosphere Reserve, India, Journal of Environmental Management and Tourism. Volume 1, issue 2, 2010, pages 156-166

**J. Murali** and G. Poyyamoli (2006). Evolving sustainable tourism strategy and livelihood options for community based marine resources management in and around the Gulf of Mannar Marine Biosphere region. Gulf of Mannar Biosphere Reserve Trust, Ramanathapuram, Tamil Nadu (India)

## 12.2 Research Reports

**J. Murali** et.al (2013). Demystification of Biomass Assessment and Supply Chain, Belgaum District, Karnataka, The Energy and Resources Institute, Bangalore. Produced under the TERI-SDC Biomass project with the support from The Swiss Agency for Development and Cooperation.

**Murali J** and Tamer Afifi (2012). "Where the Rain Falls" project. Case study: India. Results from Janjgir-Champa District, Chhattisgarh Region. Report No. 4. Bonn: United Nations University Institute for Environment and Human Security (UNU-EHS).

Pushpakumar and **Murali J** (1999). From Policy to Action: Strengthening the Implementation of Environmental Law in India. Implementation of environmental statement (auditing) in the State of Tamil Nadu. Edited by Environmental Law Institute, Washington D.C., U.S.A.

**Murali J** and Bhavani Shankar (1997). Status Report of Control of Pollution in the Industries of Tamil Nadu through Afforestation / Plantations. Funded by Regional Centre - National Afforestation and Eco Development Board, Govt. of India.

## 12.3 Papers presented/Key note address delivered in Conferences/Seminars

**J.Murali** (2014) Strengthening National Capacities on clean energy access for household sectors in sub-Saharan Africa, Key note address delivered during the 1<sup>st</sup> workshop on energy for off-grid villages in Africa held from 2<sup>nd</sup> to 5<sup>th</sup> June 2014 at Arusha in Tanzania.

**J.Murali** (2013) India's experience in setting standards and benchmarks for improved cook stoves, presented in the Technology Discussion Forum (TDF) held on 23<sup>rd</sup> May 2013 at Addis Ababa in Ethiopia organised by the Horn of Africa Regional Environment Centre/Network of the Addis Ababa University.

**J.Murali** (2013) Cook stove standards, testing and monitoring - experiences from India, 1<sup>st</sup> Regional Stakeholder Workshop of the West African Clean Cooking Alliance held from 23<sup>rd</sup> to 25<sup>th</sup> April 2013 in Ouagadougou, Burkina Faso organised by The Centre for Renewable Energy and Energy Efficiency (ECREEE) of the ECOWAS Commission.

Rahul B. Hirematha, Bimlesh Kumarb, Sheelratan S. Bansodec, Deepak P. Kaundinyad, and **J. Murali**, (2013). Development of Low Carbon Model for the Transport in Solapur City (India). To be presented during the 2<sup>nd</sup> Conference of Transportation Research Group of India (2nd CTRG), 12<sup>th</sup> to 15<sup>th</sup> December, 2013, Agra, India

**J. Murali** and Tamer Affifi, (2013). Strategies for strengthening rural livelihood and food security of seasonal migrants in Chhattisgarh, India - Janjgir Champa a case study. Workshop on "Knowledge-Creation and Capacity-Building for Actions in Climate Induced Migration", to be held in Hamburg on 15th – 16th July, 2013.

Sankaramurthy, S. and **J. Murali**, (2005). "Management of Sacred Groves in Tamil Nadu", In the proceedings of national workshop on strategy for conservation of sacred groves., Kunhikannan, C and Gurudev Singh, B. (Eds) Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore, Tamil Nadu.

## 12.4 Books/Training Guides and Popular scientific articles

**J. Murali**, Farida Tampal, Aruna Murthy and Vikram Aditya (2007). Young Climate Savers. Teachers Guide on Climate Change and Energy, World Wide Fund for Nature, India (WWF-India). New Delhi.

**J. Murali** (2004). Save our Oceans, Young World, The Hindu, 26<sup>th</sup> June 2004.

**J. Murali** (2002). Towards Green canopy, Metro Plus Chennai, The Hindu, 1<sup>st</sup> October 2002

**J. Murali** (2002). Chennai Coast in peril, Environment Plus, Weekly News Paper published from Delhi Vol.1, No.2 January 3 - 9, 2002

**J. Murali** (2002). The Extinction of Species, Eco News, Vol 7 No 3, October - December 2001

J.Murali (2002). Preparation of low-cost teaching aids for environmental education, Eco News, Vol 6 No 3, October - December 2000

**J. Murali** (2002). Vanishing Wetlands, Eco News, Vol 5 No.3, October - December 1999

**J. Murali** (2002). World environment Day, Yetram, Volume 22, No.6 June 1999.

**J. Murali** (2002). The Western Ghats, Eco News, Vol.4, No.4, January - March 1999.

**J. Murali** (2002). Environment and Media, Eco News, Vol.4 No.1 April - June 1998.

**13. Professional Expertise/work undertaken (presented in the reverse chronological order) that illustrates my capacity**

<b>S No</b>	<b>Project</b>	<b>Responsibility</b>	<b>Funding Agency/Donor</b>
1	Real time leak detection in the water supply network at Al Qadisiya, Al Nasiriya, Abu Shagara, Industrial Areas of Sharjah, UAE to reduce the Non-Revenue Water (NRW) Phase I & II	Advisor and Reviewer	Sharjah Electricity and Water Authority, Government of Sharjah, United Arab Emirates
2	Sharjah Demand Response Pilot Project	Advisor and Reviewer	Sharjah Electricity and Water Authority, Government of Sharjah, United Arab Emirates
3	Optimising Generation Dispatch and review of Sharjah's Electricity Sector	Advisor and Reviewer	Sharjah Electricity and Water Authority, Government of Sharjah, United Arab Emirates
4	Comprehensive Energy Audits - Layyah Power Plant, Falaj, Kalba and Khorfakkan Pumping Stations	Advisor and Reviewer	Sharjah Electricity and Water Authority, Government of Sharjah, United Arab Emirates
5	Comprehensive Energy Audit - Sohar Power Plant	Advisor and Reviewer	Sohar Power Plant, Sohar, Oman
6	Comprehensive Energy Audit - Waste Heat Recovery Plant	Advisor and Reviewer	Sharjah Cement, Sharjah
7	ESTIDAMA – Hamriyah Free Zones Way – A green book on HFZA's Corporate Social Responsibility initiatives	Principal Investigator	Hamriyah Free Zone Authority Government of Sharjah United Arab Emirates
8	Building climate resilience into the livelihood program of Trocaire partner NGOs in India	Principal Investigator	TROCAIRE – Irish Donor Agency
9	“Where the Rain Falls” - Action research to assess the climate change vulnerability and adaptation needs of communities due rainfall variations in Chhattisgarh, India	Principal Investigator and Senior	CARE International and United Nations University, Bonn, Germany

		National Researcher	
10	Biomass energy resource access under the accelerated use of biomass based clean energy solutions	Principal Investigator	Swiss Agency for Development and Cooperation (SDC)
11	Strengthening national capacities on clean energy access for the household sectors in Africa (Kenya, Ethiopia, Rwanda and D. R. Congo) GBP 1 million	Principal Investigator	Department for International Development (DFID) of the Government of United Kingdom
12	Consolidating and up-scaling TERI's research and implementation activities related to MDGs in India	Team Member	Department for International Development (DFID) of the Government of United Kingdom
13	Knowledge support services to ANERT on various aspects of Renewable Energy Management under Total Energy Security Mission	Principal Investigator	Agency for Non-conventional Energy and Rural Technology, Government of Kerala, India
14	Biomass assessment and regeneration plan preparation for enhancing renewable energy development	Principal Investigator	Agency for Non-conventional Energy and Rural Technology, Government of Kerala, India
15	Evaluation of national biogas development programme	Reviewer	Department of Rural Development and Panchayat Raj, Government of Karnataka.
16	Green Coast for nature and people after Tsunami – A multi country ecology and livelihood restoration project implemented in 5 countries after the Indian Ocean Tsunami in 2004	Team Member – Policy and advocacy	Oxfam – NOVIB/Netherlands
17	Education for Sustainable Development and alternative livelihood for shrimp seed collectors of Sundarbans National Park in West Bengal	Principal Investigator	Swedish International Development Cooperation Agency (Sida) through WWF Sweden
18	Capacity building teachers and students in cities across India about climate change and the role of students in building a climate resilient India	Principal Investigator	Tetra Pak India Limited
19	Environmental Auditing and its compliance by selecting industrial clusters in Tamil Nadu	Co-Investigator	Environmental Law Institute, Washington, DC.
20	Environmental Orientation to School Education, A grant-in-aid scheme of the Ministry of Human Resources Development, Government of India	Chief Project Officer	Ministry of Human Resources Development, Government of India
21	Control of Pollution in the Industries of Tamil Nadu through Afforestation / Plantations.	Field Scientist	National Afforestation and Eco Development Board, Ministry of Environment and Forests, Government of India

**14. Certification:**

I, the undersigned, certify to the best of my knowledge and belief that:

- (i) This CV correctly describes my qualifications and work experience
- (ii) Any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



*[Signature of expert]*

*01.08.2018*  
*Day/Month/Year*