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Researcher,
Institute for Social Anthropology
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Health, Development and Society Initiative,
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Experience

- Research Consultant of National Institute of Science, Technology and Development Studies (NISTADS) for a Brazilian Redesist Project on “Innovation and inclusive Development Case of Local innovation and Productive Analysis in various Sectors” (August 2012- December 2012)
- Research fellow at Centre for Indian Ocean studies, Department of History, University of Calicut, Kerala (August 2012-December 2012)
- Associate Post-doctorate in Medicine, Health, Society and Environment (MeSH) (Gratis appointment), Wellcome Centre, French Institute of Pondicherry, India (November 2011 to December 2012)
- Joint Post-Doctoral Fellow at Centre for Research in Science, Medicine and Society ([Cermes3](#)), Paris, France and French institute of Pondicherry, India (May 2010- October 2011)
- Associate Fellow (Gratis) at Cluster of Excellence Initiative, Cluster 4, Heidelberg University, Germany (May 2010 till December 2011).
- Research Fellow, Societies and Medicines in South Asia, Department of Social Science, French Institute of Pondicherry, India (October 2009- April 2010)
- Visiting doctoral fellow, Graduate Studies, Cluster of Excellence on Asia and Europe, Karl Jaspers Centre, Heidelberg University, Germany (September 2008-February 2009)
- Independent Fellow at SARAI, Centre for Studying Developing Societies, New Delhi (February 2007 to August 2007)

Education

- 2012 Doctor of Philosophy (PhD) in Economics from Centre for Development Studies (CDS-JNU).
- 2004 Master of Philosophy (M Phil) in Applied Economics, CDS-JNU
- 2002 Master of Arts (Post graduation) in Economics from University of Kerala, Thiruvananthapuram

Publications

- “Innovation Systems and Increasing Reformulation Practices in the Ayurvedic Pharmaceutical sector”, *Asian Medicine, Brill* (in Press)
- “Traditional vs. Non-Traditional Healing for Minor and Major Morbidities in India: Uses, Cost and Quality Comparisons “(With Singh, A), *Tropical Medicine & International Health* (in Press)
- Building of Health Innovation Systems: Lessons from India” (with Abrol, Dinesh, Sundararaman T, and Joseph K J) in *Health Innovation Systems: Equity and Development*, IDRC Series (2015)
- “Local Innovation and Production System in Indigenous Medicine: The Case of Ayurveda in Kerala, India” (with Joseph, K J& Abrol, Dinesh), *Health Innovation Systems, Equity and Development*, IDRC Series (2015)
- “Towards a ‘Pharmaceutical Vicious Circle’: Revisiting Kerala Ayurvedic Sector”, Special Focus, *International Institute of Asian studies, Research News Letter*, No.65, (Autumn 2013) page 32-35.

- ‘Commercializing Traditional Medicine: Ayurvedic Manufacturing in Kerala’ in V Sujatha and Leena Abraham (Ed.) *Medicine, state and society: Indigenous medicine and medical pluralism in India*, Orient Blackswan (2012)
- Ayurvedic Manufacturing Industry in Kerala: Growth and Linkages of a Traditional knowledge Sector”, VDM Verlag- Dr. Muller Publications, Germany (2010)
- ‘Indian Ayurvedic Manufacturing Sector in the Open Regime: Prospects and Challenges’, *Rasamruta* (E: journal), an all India Initiative for promotion of Ayurveda, Pune, India, 2:19(28 July 2010)
- “Commercializing Traditional Medicine: Ayurvedic Manufacturing in Kerala”, *Economic and Political Weekly* (April 18-24, Vol. XLIV No.16; 2009)
- “From Home to Market: Responses of Ayurvedic and Unani Formularies Production from 1830s to 1920s”, *Centre for Development Studies Working Paper 408*, (2008)
- “Linking Tribal Co-operatives and Manufacturing firms for better rural livelihood and Sustainable use of Resources” in G A Kinhal and J. Rao (ed.) *Adaptive Management of Medicinal Plants: Strategies, Implications and Policy for Sustainable Harvesting*, FRLHT, Bangalore (2008).
- “Sculpting for a Global Market: Indian Ayurvedic Sector in the Global regime” in Sailabala Debi and Annigeri (ed.) *Sustainable Development and the Indian Economy: Issues and Challenges*, Serial Publications, New Delhi (2006)
- “Ayurvedic Manufacturing Industry in Kerala”, *Kerala Human Development Report*, Government of Kerala, Page 135 (2005)

Teaching Experience

- Two courses (both designing and lecturing) at Azim Premji University, Bangalore.
 - *Perspectives on Health, Medicine and Development* for MA development (III semester),
 - *Health Systems: organization and Financing* for MA development (IV semester)
- Guest lectures at Histoire des sciences, technologies et societies, Department of History of Science, Paris University, 2011 (on IPR and Traditional Knowledge).
- Lectures at Doctoral Colloquiums at Heidelberg University, Germany, 2008 (on Economics of Culture and Heritage)

Awards, Honors and Scholarships

- 2013 Nomination to GNet Report as one of the best policy influenced research Case in South Asia
- 2010 Pharmasud Post-Doctoral fellowship at Centre for Research in Science, Medicine and Society (CERMES3, CNRS) from National Research Agency of France, Paris.
- 2009 4th *Global South Fellowship* at Graduate Institute of International Development Studies (IIDS), Geneva, Switzerland, October 19-23 (with Alumni status)
- 2008 *Visiting Research fellowship* to the ‘Cluster of Excellence on Asia and Europe in the Global Context’, Heidelberg University, (Nov 01, 2008 -Feb01, 2009), Germany.
- 2008 One among the Ten Fellowships for participating the International School on Medicine and Pluralism of Dr. Francis Zimmermann, EHESS, Paris, France and French Institute of Pondicherry, India
- 2008 Best PhD Paper Award, Sixth International GLOBELICS Conference, Mexico City, Mexico September 22-24
- 2008 Receiver of Outstanding Young Researcher Grant of Global Network for the Economics of Learning, Innovation, and Competence Building Systems (GLOBELICS), Denmark.
- 2006 Independent Research fellowship of SARAI, Centre for Studying Developing Societies (CSDS), New Delhi.
- 2004 Indian Council for Social Science Research (ICSSR) Doctoral Fellowship
- 2000-2002 University Merit Grants for Graduate and Post Graduate Studies

On-going Research Projects

- Researcher (with Stephan Kloos, Calum Blakie and Mingji Comou), *Re-assembling Tibetan Medicine* (RATIMED), ERC starting Grant, Austrian Academy of Sciences, Vienna, Austria (2014-18)
- Co-investigator (with Arima Mishra and Devaki Nambiar): *Policy Lessons of and for Revitalization of Local Health Traditions in India* (Re-LIHT), Funded by Azim Premji Foundation, (2014-2016)

Conference Papers (Selected)

- “Local Production, Intellectual Property Rights, Innovations in Health: An international Perspective”, International Seminar on *Health Innovation System and Sustainability*, Rio de Janeiro, Brazil, 24th March, 2015
- “Health Institutions, sustainability and Inclusive Growth”, National Seminar on “*Inclusiveness and Sustainability*”, Thiruvananthapuram, Kerala, India, January 20-21, 2015.
- “Volunteering a Quality Death”: Revisiting Network Neighbourhoods in Kerala’s Palliative Care Movement, *Global Health Symposium*, Cape town, South Africa, September 30-October 3, 2014
- “Local Innovation and Production System in Indigenous Medicine: The Case of Kerala Ayurveda”, BRICS International Seminar on *Health Innovation Systems and social Inclusion*, BNDES, Rio de Janeiro, Brazil, 7th April, 2013
- “Health Innovations and Sustainable development”, BRICS International Seminar on *Health Innovation Systems and social Inclusion*, BNDES, Rio de Janeiro, Brazil, 9th April, 2013
- (with Ashish Singh) “Do Indigenous Health Personnel have a role in UHC? Status, Utilization and Policies in India”, *Indian health economics and Policy Association*, Plenary Speaker, Third Annual Conference, Gokhale Institute of Economics and Politics, Pune, India 6-7 January, 2014
- “Search for a Health Innovation System: Emerging Trends from Kerala”, *MANTHAN Research Seminar Series*, Azim Premji University, Bangalore, India, August 22, 2013
- “Traditional Knowledge and market mechanisms in Protection: The new evidences from Kani tribal medicine”, International Conference on *Pharmaceutical innovations and Generics Production*, Rio de Janeiro, Brazil, 5-8th March 2012
- “Renovations in Indian Pharmaceutical Traditions”, Guest Speaker, *Histoire des sciences, technologies et societies*, Department of History of Science, Paris University, May 23, 2011
- “Innovation, bioentreprises and well-being Some preliminary reflections on Kani traditional knowledge”, *Pharmasud Conference*, National Research Agency (CNRS), Paris, France, April 26, 2011
- “Globalizing a Southern Knowledge: Transnational Ayurveda in context” at *4th Global South Workshop at Graduate Institute of International Development Studies*, Geneva, Switzerland, October 19-23, 2009.
- “Identities and Value Chains of a Global Product: Ayurvedic Health Tourism in Kerala” in Conference on *Transnational Mobilities for Care: State, Market and Family Dynamics in Asia* Asia Research Institute (ARI-NUS), National University of Singapore, Singapore, September 10-11, 2009.
- “Market Transitions, Policy Frames and Responses Within: Ayurvedic Medicine in Transnational Perspective”, Paper Presented at United Nations University-MERIT (UNU MERIT), *Academic Seminar Series*, Maastricht, Netherlands, January 27, 2009
- “Market Transitions, Policy Frames and Responses Within: Ayurvedic Medicine in Transnational Perspective”, Paper Presented at *Cluster of Excellence on Asia and Europe in the Global Context*, Karl Jaspers Centre, Heidelberg University, Germany, January 16, 2009.
- “Struggle and Growth of a Traditional Medicine: Ayurveda with a focus on Kerala”, Freiburg University, Germany, *Academic Seminar*, January 24, 2009
- “Knowledge origin, Innovations and Growth in Ayurvedic manufacturing: References from Kerala”, Sixth *GLOBELICS Conference*, Mexico State Technical University, Mexico September 22-24, 2008
- “Does Institutions matter for commercialization: Ayurveda and Traditional Chinese Medicine in Comparative Perspective”, Fifth *GLOBELICS Conference*, University of Saratov, Russia, September 19-23, 2007

- “Early transformation of Ayurvedic manufacturing: a look from 1830s to 1920s”, at *Hawai International Conference on Social Sciences*, Honolulu, USA, May 30-June 2, 2007
- (Co-authored with Cleetus, Burton), “Alternative Science and Public policies in China and India: How far market played the role?”, “International conference on 60 Years of Sino-Indian Interactions: Comprehending Multifarious Dimensions of Inter-relationship”, Department of Political Science, Kerala Varma College, Thrissur, Kerala, December 13-15, 2011
- Mainstreaming Ayurvedic Pharmaceuticals: AYUSH Cluster Projects in India, *International Pharmasud Workshop 2*, India Habitat Centre, New Delhi, India, September 10-11, 2010
- Innovations in Ayurvedic Health Tourism in Kerala; *International Conference on Indigenous Medicine in India*, University of Calicut, Kerala, India, October 22-23, 2010.
- Growth, Transition and Globalization of a Traditional Medicine: Ayurvedic Manufacturing in Kerala, *Academic seminar*, Centre for Development Studies, Thiruvananthapuram, India, July 7, 2010.
- “Innovations and IPR in Traditional Medical Knowledge of India” *International Colloquium on Medicinal Plants and Indigenous Knowledge*, Plenary Speaker, Chhattisgarh, India, India, March 14-15, 2010.
- “Below the Radar Innovations, Market and Local Knowledge: Indigenous Pharmaceuticals in Indian South”, *International Workshop on Pharmaceutical Innovations*, French Institute of Pondicherry, India, February 10, 2010
- “Infrastructure, ownership Control and Market: Ayurvedic Healthcare in Kerala”, Humanity and Social Science, International Open House Seminar, French Institute of Pondicherry, India, November 28, 2009
- “Commercializing Traditional Medicine: Ayurvedic Manufacturing in Kerala”, at a workshop on *Medical Pluralism* at CSSS, JNU, New Delhi, India, May 1-2, 2008
- “Adopting Modernization and Negotiating Modernization: Modern and Traditional Ayurvedic Sector in the context of Transformation”, Presentation at SARAI, Centre for Study of Developing Societies, New Delhi, India, April 5-8, 2007
- “Linking Medicinal Plant co-operatives with manufacturing firms for better rural livelihood and sustainable use of resources” at a workshop on *Development of Policy for Sustainable Harvesting and Adaptive management of Medicinal Plants* at Karnataka Forest Department (organized by FRLHT, Bangalore, Oxford University Environmental change institute, UK and Karnataka governments), Bangalore, India, January 24-25, 2006.
- “From Home to Market: Responses of Ayurvedic and Unani Formularies Production from 1830s to 1920s” at an International Workshop on *The Institutionalization of Therapeutics practices in India, Social and legal perspectives*, French Institute of Pondicherry, India, December 7-8, 2006

Association with Committees and Journals

- PHARMASIA Network, research group on scholars working on Herbal Pharmaceutical Industry in South Asia, Paris
- BRICS-RISSI network on Innovation and local production systems, Reo de Janeiro, Brazil
- In MERIT (Indian Medical Heritage Network), International Institute of Asian Studies (IIAS), Netherlands.
- Indian Health Economics and Policy Association
- Global Development Network (GDN), South Asia Region.

Refereeing for Journals and conferences

- *Innovation and Development*, Routledge
- *Asian Medicine: Tradition and Modernity*, Brill Publications
- *IHEPA*, India
- *Globelics* International Conference