

## Curriculum Vitae

### SHASHI KANT

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And

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#### 1. Academic Qualifications:

- 1996                    **Doctor of Philosophy**  
Faculty of Forestry,  
University of Toronto, Toronto, Ontario, Canada
- 1995                    **Master of Arts (Economics)**  
Department of Economics,  
University of Toronto, Toronto, Ontario, Canada  
(Note: Dual Degree pursued at the same time Master in Department of  
Economics and Ph. D. in Faculty of Forestry)
- 1992                    **Diploma in Management**  
AIMA, New Delhi, India
- 1986                    **Post Graduate Diploma in Remote Sensing**  
Indian Institute of Remote Sensing, Dehradun, India.
- 1982                    **Post Graduate Diploma in Forest Science**  
State Forest Service College, Coimbatore, India.
- 1978                    **Bachelor of Engineering (Honours)**  
Electronics Engineering  
Birla Institute of Technology and Science, Pilani, India

#### 2. Academic Work Experience:

- 2008 -                **Professor, Forest Resource Economics and Management**, Faculty of Forestry,  
University of Toronto, Toronto, Canada

- 2002-2008     **Associate Professor, Forest Resource Economics and Management**, Faculty of Forestry, University of Toronto, Toronto, Canada
- 1997-2002     **Assistant Professor, Forest Resource Economics and Management**, Faculty of Forestry, University of Toronto, Canada
- 1988-1992     **Assistant Professor, Forest Resource Economics**, Indian Institute of Forest Management, Bhopal, India

## **2.1 Academic Positions in Other Universities**

- 2011-           Honorary Professor, Nanjing Forestry University, Nanjing, P.R. China
- 2011 - 14       Visiting Professor, Zhejinag Agriculture and Forestry University, Lin'an, Zhejiang, P.R. China

## **3.0 Academic Administrative Experience:**

- 2012 -           **Director**, Master of Science in Sustainability Management (MScSM) Program, Institute for Management and Innovation, University of Toronto Mississauga (UTM), Canada

### **Responsibilities and Key Achievements:**

- (i)     Program design and governance approval, course development and governance approval, identifying and convincing instructors for all required (10) and elective (2) courses, budget formulation and control;
- (ii)    Coordinating with the Chair, Department of Management and Department of Geography – program delivery as well as hiring three tenure-track Assistant Professors, and hiring two staff members for the program;
- (iii)   Established International Exchange Programs with the University of Geneva, Lund University, and Utrecht University;
- (iv)    Established Collaborative Program with the School of Environment, University of Toronto, for a Joint Degree – MScSM and Master in Environmental Studies;
- (v)     Established four Combined Degree Programs with the Department of Geography – MScSM combined with HBSc Environmental Science (Specialist and Major) and HBSc Environmental Management (Specialist and Major)
- (vi)    Designed and implemented a highly successful student's recruitment program – initial target was 14 students per year for the first two years but we received about 150 applications in the first year as well as in second year. We have 27 and 28 students respectively in our first and second

cohorts;

- (vii) Designed and launched a very aggressive Internship and External Relations program – as a result, in the first year all 27 students were successfully placed for their internship and we are sure that all 28 students will be placed in the second year.

This program has some outstanding achievements such as development of a network of about 300 sustainability related organizations and creation of totally new internship positions for MScSM students by 15 organizations in summer 2015. The distribution of 27 organizations that offered internship in 2015 was - Large Corporate – 5, Consulting – 5, Public sector – 4, Private – Small to Medium: - 4, Private Start Up -3, Private International - 3, Non-Profit – 3.

- (viii) Launched a Sustainability Leader’s Speaker Series. Mr. David Miller, CEO, WWF and Ex-Mayor of Toronto was our first speaker of the series who delivered the lecture in Oct 2015. Senior managers from about 70 organizations registered and participated in this event in addition to our students, faculty members, and staff.
- (ix) Launched number of other activities such as Sustainability Speaker Series, Sustainability Career Day, Career Panel, Orientation Day, Consulting Day, and Campus Visits of Professionals. For 2014-15, the details of professional’s participation in different activities are – visit to campus - 51, Sustainability Careers Day – 18, Speaker Series Speakers – 18, Speakers at Orientation Day – 4, Speakers on the Career Panel – 4, and Speakers on Consulting Day – 4.
- (x) Developing a program to organize a Joint Sustainability Day with Rotman School of Management in Fall 2016.

2005-10 **Graduate Coordinator, Faculty of Forestry, University of Toronto**

Responsibilities included administration of three graduate programs – Master of Science in Forestry, Ph.D. in Forestry, and a professional program – Master of Forest Conservation; common duties - setting standards for admission, courses, scholarships, thesis examinations, academic disputes and grievances; organizing recruitment and admission process, scheduling and delivery of courses, organization of departmental and SGS thesis examinations; and coordinating with SGS on all graduate matters.

2001-03 **Undergraduate Coordinator, Faculty of Forestry, University of Toronto**

Responsibilities included administration of three natural science and three social science undergraduate programs offered by the Faculty of Forestry in collaboration with the Faculty of Arts and Science; common duties – design of the programs and governance approval in the Faculty of Forestry and the Faculty of

Arts and Science, setting standards for admission, courses, academic disputes and grievances; organizing recruitment and admission process, scheduling and delivery of courses, and coordinating with Faculty of Arts and Science on all undergraduate matters. I was the Director in the initial years of the program, and therefore almost all things were done from scratch.

1990-91 **Director, Social Forestry Centre, Indian Institute of Forest Management, Bhopal, India**

Responsibilities included to raise funds for social forestry research at the centre, coordinate the research activities of about 30 professors and other researchers involved in research activities, to supervise the support staff, and to report the progress to the Board of Governors.

1990-91 **Director, Placement, Post Graduate Program in Forest Management, Indian Institute of Forest Management, Bhopal, India**

The main responsibility was to direct the student's job placement activities. The placement visits of about 70 organizations were organized. The class had 28 students, and on an average, every student received two job offers.

1988-89 **Director, Organizational Training, Post Graduate Program in Forest Management, Indian Institute of Forest Management, Bhopal, India**

The main responsibility was to direct the activities related to organizational training (OT) of graduate students in the program. There were 27 students in the program and there were two organization trainings – each for 8 weeks. It was the first year of the program and so an aggressive program for OT was designed, organized, and managed. About 100 organizations were contacted and attracted to participate in the activities. All students were placed successfully for both OTs. On an average, 1.5 OT per student were offered.

1988-89 **Academic Director, Post Graduate Program in Forest Management, Indian Institute of Forest Management, Bhopal, India**

This position included all academic responsibilities similar to a Graduate Program Director at the University of Toronto.

### **3.1 Other Administrative Positions at the Faculty and University of Toronto**

2012-16 Chair, MScSM Program Committee, UTM

2012-14 Member, Institute for Management and Innovation (IMI), University of Toronto Mississauga, Implementation Group

2013-14 Member, Group of Directors, Institute for Management and Innovation (IMI), University of Toronto Mississauga

2014-15 Member, Search Committee, Director, Institute for Management and Innovations, UTM

2014-15 Member, Search Committee, Tenure Track Position of Assistant Professor, Sustainability Law and Policy, Department of Geography, UTM,

2014-15 Member, Search Committee, Tenure Track Position of Assistant Professor, Environmental Science, Department of Geography, UTM,

2009-16 Member, Admission and Awards Committee, Faculty of Forestry

2010-11 Member, Working Group on the Future Directions of the Faculty of Forestry

2008-09 Member, Academic Board, University of Toronto

2008-09 Member, Political Ecology Search Committee, Faculty of Forestry

2008-09 Member, Social Ecology Search Committee, Faculty of Forestry

2005-07 Chair, Organising Committee, International Congress on a Global Vision of Forestry in the 21<sup>st</sup> century, Faculty of Forestry

2005-10 Chair, Graduate Admission and Awards Committee, Faculty of Forestry

2006-10 Chair, Graduate Education Committee, Faculty of Forestry

2006-09 Vice-Chair, Faculty Council, Faculty of Forestry

2006-09 Vice-Chair, Executive Committee, Faculty Council, Faculty of Forestry

2005-09 University of Toronto, Graduate Funding Implementation Committee

2006-09 University of Toronto Council of Students' Experience

2006-08 College of Electors, University of Toronto

2006-09 Chair, Ontario Graduate Scholarship Review Panel

2005-08 Member, Finance Committee, Centennial Celebrations, Faculty of Forestry, University of Toronto

2004-07 Member, Core Centennial Committee, Faculty of Forestry, University of Toronto

2005-06 Member, Ontario Graduate Scholarship Review Panel

2005-06 Chair, Three Year Review Committees, Faculty of Forestry

2005-06 Member, Alumni Task Force, Faculty of Forestry

2004-05 Chair, Finance Committee, Centennial Celebrations, Faculty of Forestry, University of Toronto

2003-05 Chair, Departmental Academic Appeals Committee, Faculty of Forestry, University of Toronto

2001-03 Coordinator Undergraduate Programs, Faculty of Forestry, University of Toronto.

1997-04 Member, Opportunities Committee, Faculty of Forestry, University of Toronto.

1998-04 Member, Graduate Programs Committee, Faculty of Forestry, University of Toronto.

1999-00 Member, Undergraduate Program Development Committee, Faculty of Forestry, University of Toronto.

1999-04 Member, New Graduate Program (International Trade and Forest Policy) Development Committee, Faculty of Forestry, University of Toronto.

1999-04 Member, Library Committee, faculty of Forestry

1997-98 Member, Faculty Search Committee (Wood Science), Faculty of Forestry

1998-00 Member, Faculty Search Committee (Urban and Community Forestry), Faculty of Forestry

2001-02 Member, Faculty Search Committee (International Trade Position), Faculty of Forestry

1999-01 Member, University of Toronto Faculty Association (UTFA) Council.

2009-11 Member, University of Toronto Faculty Association (UTFA) Council  
 2010-11 Member, Salaries and Benefits Committee and Grievances Committee, UTFA  
 2000-01 Member, Grievances Committee, UTFA.  
 2000-02 Member, Nominations Committee, UTFA.  
 2000-02 Treasurer, Alumni Association, Faculty of Forestry, University of Toronto.  
 2002-02 Treasurer, UTFA.

### **3.2 Other Administrative Experience**

Worked for 12 years (1980-1992) in forest service in India (before coming to the University of Toronto, Canada, as a graduate student). I resigned from the Indian Forest Service (one of the three premier administrative services – Indian Administrative Service, Indian Police Service, and Indian Forest Service) in 1998. During this period, I held the following administrative positions.

1987-88 **Officer on Special Duty:** Wasteland Development, Uttar Pradesh (U.P.)  
 Government Secretariat, Lucknow, India

Duties included state-level planning of wasteland development in the Government of Uttar Pradesh, formulation of different programs and schemes for wasteland development, coordination with different state-level government departments and Non-Government organizations, liaison between state-level and the federal-level agencies related to wasteland development, I worked directly with the Secretary Forest (Deputy Minister in the Canadian terminology), Government of Uttar Pradesh.

1986-87 **Divisional Director,** Social Forestry Division, Faizabad, U.P., India.

I was the Head of Divisional Office with total employees around 150, and responsible for divisional-level planning, budget formulation, projects and programs implementation, monitoring, and evaluation, coordination with different divisional-level agencies, total annual budget about Rs.15 million

1984-86 **Forest Economist,** in the office of Chief Conservator of Forest (Planning)  
 U.P. Forest Department, Lucknow, India

Duties included state-level planning and budget of the Forest Department of Uttar Pradesh; project formulation and negotiations with development agencies, such as UNDP, World Bank, and World Food Program, for project funding, project monitoring and evaluation. Responsible for state-level management of two multi-million dollar projects funded by UNDP (on Forest Fire Fighting) and World Food Program (on Integrated Watershed Management)

1982-84 **Assistant Conservator of Forests,** Forest Training Institute, Haldwani,  
 U.P. India

Duties included administration and teaching of Forest Rangers Class.

## **4.0 Research Excellence Awards and Other Recognitions:**

### **4.1 International Students Excellence Award, City of Toronto (2012)**

This is one of the six Toronto International Students Excellence Awards given by the City of Toronto to a person who came to Canada as an international student, stayed here on completion of study and achieved excellence in the chosen field of work.

### **4.2 The Queen's Award for Forestry (2008)**

In 1987 the Patron of the Commonwealth Forestry Association, Her Majesty Queen Elizabeth II, approved the Queen's Award for Forestry, to recognize outstanding contributions to forestry. The purpose of the Award is both to recognize the achievements and support the future work of an outstanding mid-career forester. The recipient is an individual who the Selection Committee considers *combines exceptional contributions to forestry with an innovative approach to his or her work*. In 2008, the Selection Committee unanimously awarded this award to Shashi Kant, the first Canadian to receive the award.

### **4.3 Canadian Institute of Forestry (CIF) Scientific Achievement Award (2007)**

This award has the objective of encouraging innovation, exploration, application, and excellence in forest research. The CIF recognizes one scientist every year for innovative and outstanding achievements in forestry research in Canada. In the last 20 years, only two forest economists have received this award.

### **4.4 International Union of Forestry Research Organization's (IUFRO) Scientific Achievement Award (2005)**

The purpose of the Scientific Achievement Award is to recognise distinguished individual scientific achievement within the fields of research covered by the Union. Kant received this award for his overall contributions to the field of economics of sustainable management of natural resources. The IUFRO Scientific Achievement Awards are given every five years, and about 6-8 people receive this award in each cycle. In the history of IUFRO, there are only two other forest economists who have received this award before Kant.

### **4.5 Premier's Research Excellence Award (PREA) (2004)**

The PREA were created in 1998 to help Ontario's world-class researchers attract talented people to their research teams and to encourage innovation among the province's brightest young researchers at universities, colleges, hospitals and research institutes. In 2004, Shashi Kant received this award for his research on *Economics of Sustainable Forest Management: Social Choice and Agent-Based Approach*. At the time of the creation of PREA, the Premier of Ontario observed:

*"We recognize the importance of science, technology and innovation. That's why we are*

*creating the Council, and that's why we are here tonight celebrating the accomplishments of our province's finest achievers, the Nobel Prize winners of the future. The Premier's Research Excellence Awards encourage our world-class researchers to stay here in Ontario and they help ensure that Ontario continues to develop cutting-edge technologies that support a strong and competitive economy."*

#### **4.6 Nomination to the Blue Planet Award (2006)**

In 2006, Shashi Kant was nominated for the Blue Planet Award, an international environmental award. The nominations are restricted and only selected people have the authority to nominate people for this award. The awards are given by The Asahi Glass Foundation annually to two individuals or organizations that have made outstanding scientific contributions to global environmental conservation.

#### **4.7 Invitation to Speak to Standing Committee on General Government (Government of Ontario) – On Bill 151, Ontario Forest Tenure Modernization Act, 2011**

In 2011, I was invited to speak to the Standing Committee on General Government (Government of Ontario) – On Bill 151, Ontario Forest Tenure Modernization Act, 2011. Some of my observations in this talk became the key element of the Ontario Forest Tenure Modernization Act 2011.

#### **4.8 Member, Committee of Sören Wibe Prize in Forest Economics (2011-2016):**

This is the top prize in forest economics, and I have received the honour to be a member of the first, second, and third selection committees of this prize.

#### **5.0 Research Grants and Funds Raised for Conferences and Scholarships:**

##### **5.1 Research Grants**

*Total grants received are about \$3.1 million; it is equal to average annual grant of \$155,000*

<b>Period</b>	<b>\$ Amount</b>	<b>Project Name, Funding Agency, and Nature of Grant</b>
2013-2018	Can\$230,000	Bifurcation and Game Theoretic Models for Sustainable Forest Management Natural Science and Engineering Research Council (NSERC), Individual Grant
2011-2015	Can\$133,397	Environmental preferences and sustainable forest management: a



		comparative analysis <i>Social Science and Humanities Research Council (Principal Investigator – Group Project)</i>
2014-15	Can\$42,500	Detailing the Forest Resource Biomass for Industry Advancement Natural Resource Canada
2014-15	Can\$4,600	Game Theoretic Modeling of Joint Forest Management in India Mitacs
2014-15	Can\$6,000	Environmental Values of Students in Ontario SSHRC Student Award (University Internal)
2007-2013	Can\$132,000	Multi-agent Modelling of Forest Management in Ontario <i>Natural Science and Engineering Research Council (NSERC) (Individual Grant)</i>
2004-2012	Can\$100,000	Economics of Sustainable Forest Management: Social Choice and Agent-Based Approach <i>Ministry of Science and Technology, Ontario, Canada (Individual Grant)</i>
2009-2010	Can\$20,000	Incentive Mechanisms for the Provision of Ecosystem Services in Southern Ontario <i>Social Science and Humanities Research Council Community University Research Alliance – Environmental Issues Special Call (Principal Investigator – Group Project)</i>
2008-2009	Can\$30,000	Community-based Management for Carbon Sequestration and Ecological Services in China and Canada <i>SSHRC and IDRC (International Community-University Research Alliance) (Co-Investigator – Group Project)</i>
2007-2009	Can\$160,000	Economics of Aboriginal Land Use <i>Sustainable Forest Management Network, Edmonton (<u>SFMN was one of the National Centres of Excellence (NCE) funded by NSERC and SSHRC</u>) (Principal Investigator – Group Project)</i>
2007-2010	Can\$225,000	Evaluating the Ecological, Economic, and Social Trade-offs of Managing for various Plants and Other NTFPs <i>(Co-Investigator, Group Project)</i>
2007-2010	Can\$75,000	Silviculture Effectiveness and Consequences of Using Vegetation

		Management Alternatives in Boreal and Temperate Coniferous Forests: A Synthesis <i>Ontario Ministry of Natural Resources</i> <i>(Co-Investigator - Group Grant)</i>
2006-2009	Can\$570,000	Market and Institutional Structures, Economic Welfare, and the Global Competitiveness of the Canadian Forest Industry; <i>Sustainable Forest Management Network, Edmonton</i> <i>(Principal Investigator - Group Grant)</i>
2005-2008	Can\$472,000	A Participatory Approach to Aboriginal Tenure Reform in Canada <i>Sustainable Forest Management Network, Edmonton,</i> <i>(Co-Investigator - Group Grant)</i>
2005-2006	US\$60,000	Developing a Comprehensive Understanding of Environment for Development <i>United Nations Environment Program, Washington DC</i> <i>(Individual Grant)</i>
2002-2003	US\$50,000	A Global Assessment of Protected Areas on International Boundaries <i>United Nations Environment Programmes, Nairobi, Kenya</i> <i>(Individual Grant)</i>
2003-2006	Can\$68,000	Sustainable Forest Management through Co-management in Northern Ontario (Phase II): Northern Boreal Initiative. <i>Sustainable Forest Management Network, Edmonton</i> <i>(Individual Grant)</i>
2002-2006	Can\$76,000	Forest-level Modelling for Sustainable Management of Uneven-aged Hardwood Forests <i>Natural Sciences and Engineering Research Council (NSERC)</i> <i>(Individual Grant)</i>
2001-2004	Can\$79,000	Public Participation through Local Citizens Committees in North-western Ontario <i>Sustainable Forest Management Network (SFMN), Edmonton</i> <i>(Individual Grant)</i>
2001-2004	Can\$126,000	Sustainable Forest Management through Co-management in North-western Ontario. <i>CFS/NSERC/SSHRC Partnership Program</i> <i>(Individual Grant)</i>
2001-2002	Can\$25,000	International Workshop on Natural Capital, Poverty, and

Development		
<i>The Canadian International Development Agency (CIDA)</i>		
<i>(Conference Grant)</i>		
2001-2002	US\$15,000	Organizational Inertia in the Forest Department of India <i>Ford Foundation, New Delhi, India</i> <i>(Individual Grant)</i>
2000-2003	Can\$120,000	Sustainable Forest Management through Co-management in North-western Ontario. <i>Sustainable Forest Management Network (SFMN), Edmonton,</i> <i>(Principal Investigator - Group Grant)</i>
2000-2003	Can\$31,000	Sustainable Forest Management through Co-management in North-western Ontario. <i>Bowater, Weyerhaeuser, and KBM</i> <i>(Principal Investigator - Group Grant)</i>
1999-2002	Can\$44,000	Derived Supply Curves of Biodiversity of Uneven-aged Forests of the Great Lakes-St. Lawrence Region of Ontario. <i>Social Science and Humanities Research Council (SSHRC)</i> <i>(Individual Grant)</i>
1998-2002	Can\$70,000	Stochastic modelling for sustainable management of uneven-aged forests <i>Natural Sciences and Engineering Research Council (NSERC)</i> <i>(Individual Grant)</i>
1998-2001	Can\$30,000	Valuation of biodiversity in the Great Lakes- St. Lawrence forests of Ontario. <i>Connaught New Staff Matching Grants, University of Toronto</i> <i>(Individual Grant)</i>
1999-2000	Can\$10,000	Incorporating aboriginal perspective in forestry curricula: building on experience and relationships with First Nation communities <i>University of Toronto, Toronto</i> <i>(Individual Grant)</i>
1998-2000	US\$18,228	A comparative study of bamboo institutions and production to consumption systems in China and India. <i>International Network for Bamboo and Rattan (INBAR), Beijing,</i> <i>China</i> <i>(Individual Grant)</i>

1998-1999	Can\$2,557	Local institutions and sustainable development of local communities. ( <i>Vice-President's SSHRC Fund</i> ) ( <i>Individual Grant</i> )
1997-1998	Can\$3,645	Local institutions and economic reform for the development of Aboriginal communities (A comparative study of India and Canada) <i>Shastri Indo-Canadian Institute, Alberta.</i> ( <i>Individual Grant</i> )
1994-1996	US\$18,000	Joint forest management: some economic issues. <i>Ford Foundation, New Delhi, India.</i> ( <i>Individual Grant</i> )
1993-95	US\$15,000	Role of wild biological resources in economic development of local communities <i>Biodiversity Support Program, Washington, D.C.</i> ( <i>Individual Grant</i> )

## **4.2 Funds Raised for Conferences and Scholarships**

<b>2014-2015</b>		<b>Second Conference on New Frontiers of Forest Economics organized at Peking University, Beijing, China, August 18-23, 2015</b> (Funds to support the conference – Travel cost of 2 Guest Speakers and other costs of conference organization such as website development, reception, lunches, dinners, space, and field visit – Total participants about 40) Can\$25,000 <i>National School of Development, Beijing, China</i>
<b>2011-2012</b>		<b>First Conference on New Frontiers of Forest Economics organized at ETH, Zurich, Switzerland, June 26-30, 2012</b> (Funds to support the conference – travel cost of 4 Guest Speakers and other costs of conference organization such as website development, space, reception, and field visit – Total participants about 45) Can\$20,000 <i>ETH and Cycad AG, Switzerland</i>
<b>2007-2008</b>		<b>International Conference on - A Global Vision of Forestry in the 21<sup>st</sup> Century organized at the University of Toronto, September 30-October 3, 2007</b> (Funds to support the conference – Payments to 21 Guest Speakers, selected speakers from developing countries, and other costs of conference organization – Total participants about 200) Can\$70,000 <i>Canadian International Development Agency</i> Can\$10,000 <i>Ivey Foundation</i>

Can\$23,000 *Sustainable Forest Management Network*  
US\$25,000 *Ford Foundation*

**2002-2004**

**International Conference on Economics of Sustainable Forest Management, organized at the University of Toronto May 21-23, 2004**

(Funds to support the conference - Payments to Guest Speakers, selected speakers from developing countries, and other costs of conference organization – total participants 174)

Can\$40,000 Canadian Forest Service  
Can\$31,600 Ford Foundation  
Can\$10,000 Weyerhaeuser Canada  
Can\$10,000 International Paper  
Can\$5,000 Living Legacy Trust  
Can\$5,000 Ontario Ministry of Natural Resources  
Can\$5,000 Forest Product Association of Canada  
Can\$5,000 SFMN, Edmonton, Alberta

**2003**

**Establishment of Smt Hoshwati Yadav Ontario Graduate Scholarship**

Can\$50,000 (Shashi Kant donated and raised funds to establish Smt Hoshwati Yadav Ontario Graduate Scholarship at the Faculty of Forestry in memory of his mother.

**2004**

**Establishment of the Rorke Bryan Forest Conservation Scholarship**

(On the occasion of the retirement of Prof. Rorke Bryan, Dean, Faculty of Forestry, Shashi established Rorke Bryan Scholarship in Forest Conservation and raised funds for the scholarship. The amount of funds raised keep on changing with new contributions)

## **5. Publications and Presentations:**

### **5.1 Books**

1. *Kant, S. and J. Alavalapati. (eds.) 2014. Handbook of Forest Resource Economics. Earthscan from Routledge, New York. 560 p.*

2. *Kant, S. (ed.) 2013. Post-Faustmann Forest Resource Economics. Dordrecht: Springer. 293 p.*

3. *Kant, S., and R. A. Berry (eds.) 2005. Economics, Sustainability, and Natural Resources: Economics of Sustainable Forest Management. Dordrecht: Springer, 272 p.*

4. *Kant, S., and R. A. Berry (eds.) 2005. Institutions, Sustainability, and Natural Resources:*

Institutions for Sustainable Forest Management. Dordrecht: Springer, 361 p.

5. Kant, S., N. M. Singh., and K. Singh. 1991. Community Based Forest Management Systems: Case Studies from Orissa. Published by SIDA, ISO/Swedforest, and IIFM Bhopal.

## **5.2 Translation of Research Work**

*Yi Xie and Yali Wen.* 2005. Chinese Translation, Kant, S. 2003. Extending the Boundaries of Forest Economics (Forest Policy and Economics, 5, 39-56). Forestry Economics Journal

## **5.3 Foreword and Prefaces**

1. Kant, S. 2007. Foreword. Geir, B. Asheim. *Justifying, Characterizing, and Indicating Sustainability* (pp. X-XI). Dordrecht: Springer.

2. Kant, S. 2005. Preface of the Series. In S. Kant, and R. A. Berry (eds.) *Sustainability, Economics, and Natural Resources: Economics of Sustainable Forest Management* (pp. XV-XVI). Dordrecht: Springer.

## **5.4 Book Reviews**

1. Kant, S. 2011. One Hundred Rings and Counting: Forestry Education and Forestry in Toronto and Canada, 1907-2007 By Mark Kuhlberg University of Toronto Press, Toronto, Buffalo London. Reprinted in The Forestry Chronicle, 87(3):444-445.

2. Kant, S. 2010. One Hundred Rings and Counting: Forestry Education and Forestry in Toronto and Canada, 1907-2007 By Mark Kuhlberg University of Toronto Press, Toronto, Buffalo London. International Forestry Review, 12(4): 428-429.

## **5.5 Book Chapters**

1. Kant, S. 2014. Valuation of Ecosystem Services from Afforested Private Lands. In Bhojvaid, P. P. (ed.). *Sustainable Forest Management for Multiple Values: A Paradigm Shift*, Dehradun: Forest Research Institute, India.

2. Kant, S. and J. Alavalapati. 2014. Evolving Forest Resource Economic Thought. In Kant, S. and J. Alavalapati (Eds.) *Handbook of Forest Resource Economics*, New York: Routledge, pp. 1-8.

3. Kumar, P. and S. Kant. 2014. Game theoretic modelling in forest economics. In Kant, S. and J. Alavalapati (Eds.) *Handbook of Forest Resource Economics*, New York: Routledge, pp. 490-503.

4. Kant, S. 2013. Post-Faustmann Forest Resource Economics. In Kant, S. (Ed.). 2013. *Post-austmann Forest Resource Economics*. Dordrecht: Springer. pp. 1-19.

5. Shahi, C. and S. Kant. 2013. Are Forest User Groups Rational Economic or Social Agents?

Experimental Evidence from India. In Kant, S. (Ed.). 2013. Post-Faustmann Forest Resource Economics. Dordrecht: Springer. pp. 23-39.

6. Kijazi, M. and S. Kant. 2013. Complexity Theory and Forest Resource Economics. In Kant, S. (Ed.). 2013. Post-Faustmann Forest Resource Economics. Dordrecht: Springer. pp.41-70.

7. Kant, S. and C. Shahi. 2013. Multiple Forest Stocks and Harvesting Decisions: The Enhanced Green Golden Rule. In Kant, S. (Ed.). 2013. Post-Faustmann Forest Resource Economics. Dordrecht: Springer. pp. 259-275.

8. Natalie, S., S. Kant, and David C. Natcher. 2009. Aboriginal forest tenure attributes for the Kwadacha traditional territory. In Marc G Stevenson and David C Natcher (eds). "Changing the Culture of Forestry in Canada: Building effective Institutions for Aboriginal Engagement in Sustainable Forest Management". CCI Press and SFMN. pp.127-142.

9. Kant, S. Economics of Woodfuels. *State of the World's Forests: 2005*. FAO, Rome, pp. 98-105.

10. Kant, S. 2005. Institutions, Sustainable Forest Management, and Post-Newtonian Economics. In S. Kant and R. A. Berry (eds.) *Sustainability, Institutions, and Natural Resources: Institutions for Sustainable Forest Management* (pp. 341-356). Dordrecht: Springer.

11. Kant, S. 2005. Post Newtonian Economics and Sustainable Forest Management. In S. Kant, and R. A. Berry (eds.) *Sustainability, Economics, and Natural Resources: Economics of Sustainable Forest Management* (pp.1-22). Dordrecht: Springer.

12. Kant, S., and R. A. Berry. 2005. Sustainability, Economics, and Forest Management. In S. Kant, and R. A. Berry (eds.) *Sustainability, Economics, and Natural Resources: Economics of Sustainable Forest Management* (pp.253-267). Dordrecht: Springer.

13. Kant, S., and R. A. Berry. 2005. Sustainability, Institutions, and Forest Management. In S. Kant and R. A. Berry (eds.) *Sustainability, Institutions, and Natural Resources: Institutions for Sustainable Forest Management* (pp. 1-20). Dordrecht: Springer.

14. Kant, S., and R. A. Berry. 2005. Institutions, Organizations, and External Setting: Dynamic of Institutions. In S. Kant and R. A. Berry (eds.) *Sustainability, Institutions, and Natural Resources: Institutions for Sustainable Forest Management* (pp. 83-114). Dordrecht: Springer.

15. Yaoqi Zhang and S Kant. 2005. Collective forests and forestland: physical asset rights versus economic rights. In Peter Ho (ed.) *Developmental Dilemmas: Land Reform and Institutional Change in China* (pp.283-307). London: Routledge. [change to TNR font]

16. Kant, S. and E. Lehrer. 2004. A framework for institutional analysis of agro-forestry systems. In Janaki Alvalapati and Evan Mercer (eds). *Valuing Agroforestry Systems* (pp.279-302). Dordrecht Kluwer.

17. Bengston, D., and S Kant. 2004. Recent Trends & Issues Concerning Multiple Values and Forest Management in North America. In *Forests in the Global Balance – Changing Paradigms*. IUFRO, Austria.
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## **5.12 Papers Presented/Selected in the International (refereed) Conferences**

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22. Kijazi, M., and S. Kant. 2007. Wood Fuels and Rural Energy Security: A Case of Mount Kilimanjaro, Tanzania. *Presented at 3<sup>rd</sup> International Conference on Environmental Science and Technology August 5-9, 2007, Greenspoint Wyndham Hotel, Houston, USA*

23. Kant, S. 2007. An Overview of the SFMN Project on the Global Competitiveness of the Canadian Forest Industry. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

24. Yang, F., and S. Kant. 2007. Rent Capture Analysis of Ontario's Stumpage System. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

25. Kant, S., and F. Yang. 2007. An Economic Perspective on the Determination of Dumping in the US-Canada Softwood Lumber Trade. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

26. Shahi, C. and S. Kant. 2007. Economic Analysis of the North American Softwood Lumber Markets. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

27. Araujo, M., and S. Kant. 2007. Forest Certification in Brazil: Choices and Impacts. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

28. Kant, S., and S. Mehrotra. 2007. Global Competitiveness Index of Forest Industry. *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

29. Tang, X., S. Laaksonen-Craig., and S. Kant. 2007. Economic Analysis of Pulp and Paper Markets of Canada and the USA *Presented at a Workshop and the SFMN Project Partners' Meeting On The Global Competitiveness of Forest Industry, Victoria, BC, November 22-23, 2007.*

30. Kant, S. 2006. Fundamental Propositions of Post-Newtonian Economics. *Presented at the*

*International Symposium on Managerial Economics and Accounting in an Evolving Paradigm of Forest Management, Rottenburg, May 17 – 20, 2006*

31. Yang, F., and Kant, S. 2006. Forest-level Analyses of Uneven-aged Hardwood Forests. *Canadian Society of Operational Research Conference, Montreal, May, 2006.*

32. Kant, S., and Misra, D. 2006. Economic Efficiency and Shadow Prices of Neo-classical and Non Neo-classical Inputs of Village-level Organizations of Joint Forest Management in Gujarat, India. *12<sup>th</sup> International Symposium on Society and Resource Management, Vancouver, B. C. Canada, June 3-8, 2006*

33. Kant, S., and Swaak, N. 2006. Aboriginal forest tenure and sustainable forest management on the Treaty land of Kaska Tribal Council. SFMN Conference, June, 2006.

34. Robson, M., and Kant, S. 2006. Recommendations and Reflections on Local Public Participation in Forest Management in Ontario: A Researcher Perspective. SFMN Conference, June, 2006.

35. Kant, S., and Yang, F. 2006. Market Performance of the Stumpage System of Ontario. *Presented at "A Workshop and the SFMN Project Partners' Meeting on The Global Competitiveness of Forest Industry" Harbour Towers Hotel and Suites, Victoria, BC, 25-27 October, 2006.*

36. Kant, S., and Mehrotra, S. 2006. A Framework for the Global Competitiveness Index of Forest Industry. *Presented at "A Workshop and the SFMN Project Partners' Meeting on The Global Competitiveness of Forest Industry" Harbour Towers Hotel and Suites, Victoria, BC, 25-27 October, 2006.*

37. Kant, S. 2006. A New Paradigm of Economics: Post-Newtonian Economics. *Presented at the International Society for Ecological Economics Conference, December 15-18, 2006, New Delhi, India.*

38. Kant, S. 2005. Economic theory, property rights, and decision making. International Conference on the Multifunctional Role of Forests - Policies, Methods and Case-studies. Padova, Italy, 28-30 April 2005

39. Kant, S. 2005. The Tragedy of Neo-classical (Newtonian) Economics. In the the US Society for Ecological Economics Conference, July 20-23, 2005, Tacoma, Washington, USA.

40. Kant S. 2005. Economics of Sustainable Forest Management: From Darmstadt, Germany to Toronto, Canada. XXII IUFRO Forestry Congress, August 7-13, 2005, Brisbane, Australia

41. Shahi, C., S. Kant., and Yang, F. 2005. The Canadian and the United States Softwood Lumber Market Integration: A Comparative Perspective for the Periods of Softwood Lumber Agreement and Import Tariff. Presented at the US-Canada Forest Products Trade: A Bilateral Symposium, March 7-8, 2005, Michigan State University, Lansing, Michigan, USA

42. Yang, F., S. Kant., and C. Shahi. 2005. North American softwood market integration and efficiency of spatial arbitrage. Presented at the US-Canada Forest Products Trade: A Bilateral Symposium, March 7-8, 2005, Michigan State University, Lansing, Michigan, USA
43. Kumar, S., and S. Kant. 2004. Stakeholders' Preferences for Multiple Forest Values. International Conference on Economics of Sustainable Forest Management, May 20-22, 2004
44. Misra, D., and S. Kant. 2004. Production Analysis of Collaborative Forest Management Using an Example of Joint Forest Management from Gujarat, India. International Conference on Economics of Sustainable Forest Management, May 20-22, 2004
45. Van Ha, N., and S. Kant. 2004. Environmentally and Socially Sensitive Production Analysis of Household-level Paper Recycling Units from a Craft Village in Vietnam. SOFEW Annual Meeting, St. Augustine, Florida, March 14-16, 2004.
46. Zhang, Y., and S. Kant. 2004. Forest Property Rights Evolution in Response to Changing Forest Paradigms: Some Evidences from Canada. SOFEW Annual Meeting, St. Augustine, Florida, March 14-16, 2004.
47. Kumar, S., and S. Kant. 2004. Participatory Forest Management and State Forestry Agencies: Modeling the Perceptions of Foresters. SOFEW Annual Meeting, St. Augustine, Florida, March 14-16, 2004.
48. Misra, D., and S. Kant. 2004. Economic Efficiency and Shadow Prices of Neo-classical and Non Neo-classical Inputs of Village-level Organizations of Joint Forest Management in Gujarat, India. SOFEW Annual Meeting, St. Augustine, Florida, March 14-16, 2004.
49. Kant, S. 2003. Economic Theory of Emerging Forest Property Rights. Presented at the XII World Forest Congress, Quebec City, Canada, September 21-28, 2003:
50. Kumar, S., and S. Kant. 2003. Community-based Forest Management in a Bureaucratic Organization: Are Ethos Compatible? Presented at the XII World Forest Congress, Quebec City, Canada, September 21-28, 2003:
51. Misra, D. and S. Kant. 2003. Production Functions for Multiple Outputs of Joint Forest Management. Presented at the XII World Forest Congress, Quebec City, Canada, September 21-28, 2003:
52. Kant, S. 2002. Economics of Sustainable Forest Management. Presented at the SFMN Conference, November 2002, Edmonton, Alberta.
53. Lee, S. and S. Kant 2002. Multiple Forest Values and Forest Management. *for* The Annual Meeting of IUFRO Group 4.04.02: Managerial Economics in Forestry to be held at Sopron, Hungary, 26-28, May 2002.

54. *Shuter, J., and S. Kant. 2002.* A Multi-level typology and comparative evaluation of Aboriginal Co-management in the Forest Sector. Presented at the SFMN Conference, November 2002, Edmonton, Alberta.
55. *Lee, S., and S. Kant. 2002.* Perceptions and forest values of people from north-western Ontario. Presented at the SFMN Conference, November 2002, Edmonton, Alberta, Canada.
56. *Kumar, S., and S. Kant. 2002.* Joint Forest Management in a Bureaucratic Organization: Are These Ethos Compatible ? Conference of the SFMN to be held at Edmonton, November, 2002.
57. *Kant, S. 2001.* Relative Utility and Discounting of Ecosystem Capital. In the International Conference on Social and Economic Perspectives of Boreal Forest Ecosystem Management, held at Heriot Watt University, Edinburgh, Scotland, 5-8 June, 2001.
58. *Kant, S. 2001.* Relative Utility and Discounting of Ecosystem Capital. In the Annual Meeting of IUFRO Group 4.04.02: Managerial Economics in Forestry held at Solsona, Catalonia, Spain, 7-10 June, 2001.
59. *Kant, S. 2001.* Sustainable Forest Management and Discounting. In the Midwest Forest Economics Association Workshop held at Grand Rapids, Michigan, USA, 11-12 August, 2001.
60. *Lee, S., and S. Kant. 2001.* Perceptions and Forest Values of People from North-western Ontario. In the International Conference on Social and Economic Perspectives of Boreal Forest Ecosystem Management, held at Heriot Watt University, Edinburgh, Scotland, 5-8 June, 2001.
61. *Lee, Susan and S. Kant 2001.* Co-management and Forest Values of People from North-western Ontario. In the Midwest Forest Economics Association Workshop held at Grand Rapids, Michigan, USA, 11-12 August, 2001.
62. *Smith, Peggy and S. Kant. 2001.* Forest Co-management in North-western Ontario: Legal and Political Sustainability. In the International Conference on Social and Economic Perspectives of Boreal Forest Ecosystem Management, held at Heriot Watt University, Edinburgh, Scotland, 5-8 June, 2001.
63. *Kant, S. 2001.* Choices of Ecosystem Capital without Discounting and Prices. In the Southern Forest Economics Association Workshop held at Atlanta, USA, 27-28 March, 2001.
64. *Mahapatra, K., and S. Kant. 2001.* Multinomial Logit Model of Tropical Deforestation. In the Southern Forest Economics Association Workshop held at Atlanta, USA, 27-28 March, 2001.
65. *Kant, S. 2000.* A Theory of dynamics of forest resource regimes in developing economies. Meeting of the International Association for the Study of Common Property (IASCP) held at the University of Indiana, Bloomington, USA, 1-4 June, 2000.
66. *Kant, S. 2000.* The Evolution of Forest Regimes in India and China: A Comparative Analysis. In the XXI IUFRO World Congress, Kuala Lumpur, Malaysia, 7-12 August, 2000.

67. Kant, S. 1999. Forest economics beyond Faustmann's (Neo-classical) paradigm. in "150 years of the Faustmann Formula: The Consequences for Forestry and Economics in the Past, Present, and Future", held at Darmstadt, Germany, 3-6 October, 1999.
68. Kant, S. 1999. Derived supply curve of structural diversity of Maple Forests. in the Nature, Wealth and the Human Economy in the Next Millennium, held at the University of Regina, Saskatchewan, 27-29 August, 1999.
69. Kant, S. 1999. Path-dependent evolution of forest regimes in India. in South Asian Studies Conference, held at the Universtie du Quebec a Montreal, 10-11 June, 1999.
70. Kant, S. 1999. Evolution of forest tenures and its impact on local economy. Presented in the Southern Forest Economics Workshop, Biloxi, MS, USA, 18-20 April 1999.
71. Kant, S., and Marian Chiu. 1999. Economic reforms, bamboo, and the local economy: a case study of Linan county, Zhejiang province, People's Republic of China. Presented at the International Workshop on Bamboo and Rattan, Biodiversity Conservation, Utilisation, and Technology Exchange held at Beijing, China, 12-14 April, 1999.
72. Kant, S., and Marian Chiu. 1998. Economic reforms, bamboo production, and local economy: a case study from China. Presented in the VI International Bamboo Workshop held at San Jose, Costa Rica, 2-6 November, 1998.
73. Kant, S. 1998. Socio-economic factors and dynamics of forest regimes. Presented in the IUFRO conference held at Rome, Italy. 16-18 April, 1998.
74. Kant, S. 1997. Community management: an optimal resource regime for sustainable forest management. Paper presented in the Annual Meeting of the Canadian Association of Forest Economists . held at Rimouski, Quebec, 10-13 September, 1997.
75. Kant, S. 1996. Optimal resource regimes in natural resource management: a dynamic model. Presented in Mid-continent Regional Science Association Conference held at Madison, Wisconsin, U.S.A. June 6-8, 1996.
76. Kant, S. and J. C. Nautiyal. 1995. Economic contribution of non-timber forest products and multiple use management of forest resources. Presented in a symposium on 'Conserving Biodiversity in Multiple Use Systems' held at Fort Collins, Colorado, U.S.A. 7-10 June, 1995. (Invited Paper)
77. Kant, S. and J. C. Nautiyal. 1992. Economic theory of commons: revisited. Presented in IIIrd International Conference of International Association for Study of Common Property (IASCP), held at Washington, D.C., U.S.A. 17-20 September, 1992.
78. Kant, S. 1991. Back to Gandhi: an answer to crisis of forest management in developing countries. Presented in IInd International Conference of International Association for Study of

Common Property (IASCP), held at University of Manitoba, Winnipeg, Canada. 26-30 September, 1991.

79. Kant, S. 1990. Gandhian approach to the management of forest as common property resource: a case study of Binjgiri hill (Orissa). Presented in Ist International Conference of International Association for Study of Common Property (IASCP), held at University of Duke, Durham, U.S.A. 27-30 September, 1990.

80. Kant, S., Singh, N.M., and Singh, K. 1990. Community Management of Forests: A case study of Rupabalia Reserved Forest. Presented in National Seminar on Sustainable Forestry. Organised by Ford Foundation, New Delhi. 12-13 September, 1990.

81. Kant, S. 1990. Look For Something Else. Presented in National Seminar on Forest Based Industries in National Economy. Organised by IIFM, Bhopal. 14-16 January, 1990.

## **5.14 Invited Presentations**

### **Sub-Plenary Presentation:**

Kant, S., Vertinsky, I., and Zheng, B. 2014. Valuation of Ecosystem Services Using Life Satisfaction Approach: An Application to First Nations Social, Cultural, and Land Use (SCLU) Activities. Presented at the XXIV IUFRO World Congress, October 6-11, 2014, Salt Lake City, USA

Kant, S. 2010. Forest economics in the 21<sup>st</sup> century. Presented at the XXIII IUFRO World Congress, August 28-28, 2010, Seoul, South Korea.

Kant, S. 2005. Post Newtonian Economics and Sustainable Forest Management. Sub-Plenary Session on Demonstration Sustainable Forest Management, XXII IUFRO Forestry Congress, August 7-13, 2005, Brisbane, Australia

### **Dinner Presentation:**

Kant, S. 2006. The Tragedy of Science: Society, Science, and Lake Abitibi Model Forest. Presented at the LAMF Strategic Planning Meeting, Timmins, Ontario, Feb 23-24, 2005,

### **Other Invited Presentations:**

1. Kant, S. 2013. Provision of Ecosystem Services: For Communities and By Communities (Lessons from First Nations). Presented at the Community Based Forest Management Conference, Sault St. Marie, Ontario, January 16-18, 2013.

2. Kant, S. 2013. Aboriginal Wellbeing, Land Use Activities, and Sustainability. Presented at the Strategic Planning Workshop of Northeast Superior Region–Enhanced Sustainable Forest License, Chapleau, Ontario, March 4-7, 2013.



3. Kant, S. 2013. Forests and Economic Development: New Pathways. Presented at the International Conference organized by Major Groups-Led Initiative (MGI) and IUFRO, March 18-22, Rio de Janeiro, Brazil, in preparation for the UNFCCC 10
4. Kant, S. 2013. Forests and Economic Development: New Pathways. Presented at the MGI/IUFRO Side Event at the UNFCCC 10, 11 April 2013, Istanbul, Turkey.
5. Kant, S. 2013. New Frontiers of Forest Economics. Presented at Hanover Seminar Series , Department of Forestry, Michigan State University, USA, April 16, 2013
6. Kant, S. 2013. Sustainable Forest Management: An Economic Perspective. Presented at a Meeting of Ontario Ministry of Natural Resources, Sault Ste. Marie, May 22, 2013.
7. Kant, S. 2013. Valuation of ecosystem services using Life Satisfaction Approach. Presented at the International Conference of IUFRO Group 9.04.05 on Institutions and Markets for Ecosystem Services in Green Economy, Zhejiang A & F University, Linan, Zhejiang, China, May 13, 2013
8. Kant, S. 2012. Welcome Remarks by Co-Chair. At the International Symposiums of Forest Economics: Forest Development in China and Asia-Pacific Regions on Global Climate Change, Beijing Forestry University, Beijing, October 13-14, 2012.
9. Kant, S. 2012. Forest Economics and Climate Change: Valedictory Remarks. At the International Symposiums of Forest Economics: Forest Development in China and Asia-Pacific Regions on Global Climate Change, Beijing Forestry University, Beijing, October 13-14, 2012.
10. Kant, S. 2009. Global Trends in Ownership and Tenure of Forest Resources and Timber Pricing. Invited Lead Presentation at the OPFA Annual Meeting and Conference, Sudbury, Ontario, April 22-24, 2009.
11. Kant, S. 2008. Sense of the House. Presented at the International Conference on Scope of Production Forestry in Climate Change Mitigation in India, Jan 16-18, Jaipur, India.
12. Haripria, G. and S. Kant. 2008. Precision in the assessment of carbon sequestration and leakages in forestry activities and developing comprehensive carbon accounting models incorporating non-CO2 greenhouse gases. Presented at the International Conference on Scope of Production Forestry in Climate Change Mitigation in India, Jan 16-18, Jaipur, India.
13. Kant, S. 2008. A New Paradigm of Economics: Economics of Sustainable Forest Management. Presented at the University of Copenhagen, June 9, 2008.
14. Kant, S. 2008. Economics of Co-Management of Forests. Presented at the University of Copenhagen, June 13, 2008.
15. Kant, S. 2008. Economics of Sustainable Forest Management: A New Paradigm of Economics. Presented at Auburn University, March 7, 2008.

16. Kant, S. 2008. Economics of Sustainable Forest Management: A New Paradigm of Economics Presented at Lakehead University, Thunder Bay, March 18, 2008.
17. Kant, S. 2008. The Tragedy of Science: Reductionism to an Integrated Approach. Presented at Lakehead University, Thunder Bay, March 17, 2008
18. Kant, S. 2008. Timber Pricing and Softwood Lumber Dispute. Presented at Lakehead University, Thunder Bay, March 17, 2008
19. Kant, S. 2007. Economic Performance of a Government Controlled Stumpage System. Research Seminar organized by BC Forum on Forest Policy and Economics, UBC Vancouver, December 7, 2007.
20. Kant, S. 2006. Sustainability and Economics: Basics of a New (Post-Newtonian) Paradigm. Presented at Environment Seminar Series, Centre for Environment, University of Toronto, January 25, 2006.
21. Kant, S. 2006. Science, Society, and Forest Management. Presented at the Session organized by Model Forest Network at the International Symposium on Society and Resource Management, June 3-8, Vancouver, 2006.
22. Kant, S. 2006. Tragedy of Science. Presented at the Pacific Forestry Centre, Canadian Forest Service, Victoria, August 21, 2006.
23. Kant, S. 2006. Post Newtonian Economics. Presented at the Pacific Forestry Centre, Canadian Forest Service, Victoria, August 21, 2006.
24. Kant, S. 2006. Science, Economics, and Peace: Questionable Assumptions & Debatable Conclusions. Presented at Roundtable on Forests, Organized by Science for Peace and Faculty of Forestry, University of Toronto, September 22-23, 2006
25. Kant, S. 2005. The Dominant Economic Paradigm and Sustainable Development: Presented at the Eminent Scientist Symposium in Conjunction with Fifth Ministerial Conference on Environment and Development (MCED), March 24-25, 2005, Seoul, South Korea.
26. Kant, S. 2005. Sustainability and Newtonian and Post-Newtonian Economics: Presented at Interdisciplinary Environmental Lecture Series, March 17, 2005, Environmental Research and Studies Centre, University of Alberta, Edmonton.
27. Kant, S. 2005. Dynamics of Trade and Economic Theory: Presented at the US-Canada Forest Products Trade: A Bilateral Symposium, March 7-8, 2005, Michigan State University, Lansing, Michigan, USA
28. Kant, S. 2005. Closing Remarks: Delivered at the Socio-Economic Impact Modelling Conference, February 18-19, 2005, Organised by the Ontario Ministry of Natural Resources.

29. Kant, S. 2004. Sustainable Forest Management: Challenges and Opportunities - Paradigms: Linkages, Dynamics, and Operations. Presented to the Board of Directors of the Lake Abitibi Model Forest, March 6, 2004.
30. Kant, S. 2003. Sustainable Forest Management and Challenges. Presented at 45 Year Celebration of Zhejiang Forestry University, Linan, Zhejiang, P. R. China., October 2003.
31. Kant, S. 1999. Institutions and organisations for joint forest management. Invited Presentation at Harvard University, Boston, USA. August, 1999.
32. Kant, S. 1999. Socio-economic and policy research needs in bamboo and rattan sector. Invited Presentation at the Expert Consultation of the Strategic Plan of International Network for Bamboo and Rattan held at Beijing, 7-9 April, 1999.
33. Kant, S. 1999. Ecosystems and discounting of the future. Presentation at the Workshop on Natural Capital: Values in Two Perspectives organised by the Institute of Environment, University of Toronto and the World Bank at the University of Toronto, 23 April, 1999.
34. Kant, S. 1998. Non-market Valuation of Non-timber Forest Products. Invited Presentation at the Indian Institute of Forest Management, Bhopal, India, August 20, 1998.
35. Kant, S. 1998. Sustainable Forest Management and its Future. Invited Presentation at the Zhejiang Forest University, Linan, Zhejiang, China, June 14, 1998.
36. Kant, S. 1998. Tropical deforestation and community forest management in India. Invited presentation made at the Virginia Polytechnic Institute, Blacksburg, Virginia, USA. 30 January, 1998.
37. Kant, S. 1997. Sustainable forest management: criteria and indicators (Socio-Economics). Presentation in the Workshop on Biodiversity Indicators and Application to Forest Management. Faculty of Forestry, University of Toronto, 11 December, 1997.

## **5.15 Technical Reports**

1. Kant, S. 2015. Literature Review and Conceptual Framework for an Environmental Benefit Index for Wetland Restoration on Private Lands in the Greenbelt Region of Ontario, Canada. Prepared for the Credit Valley Conservation. 48 p.
2. Kant, S. 2015. Environmental Benefit Index for Wetland Restoration on Private Lands in the Greenbelt Region of Ontario, Canada: User Manual. Prepared for the Credit Valley Conservation. 58 p.
3. Kant, S. 2013. Forests and Economic Development: New Path Ways, Discussion Paper Prepared for the IUFRO for Presentation at UNFF 10, Istanbul, Turkey, April 8-21, 2013.
4. Kant, S. 2009. Global Trends in Ownership and Tenure of Forest Resources and Timber Pricing. OPFA Working Paper, 62 p.
5. Kant, S., and A. Kant. 2009. The Socio-economic Value of Non-timber Non-Carbon

Ecological Goods and Services from Afforested Private Lands in Southern Ontario. Report to the OMNR, 2009.

6. *Doug R. and S. Kant. 2006.* Aboriginal Expectations – FMPM/CSA/FSC Standards Conformity. 66 pp. Report Submitted to the NAFA.
7. *Kant, S., C. Shahi., and F. Yang. 2006.* A discussion paper on the Global Competitiveness of the Canadian Forest Industry. Based on the Discussion during a Discussion Forum organized during the SFMN Conference, June 20-22, 2006, Edmonton.
8. *Gupta, S., and S. Kant. 2006.* Ecosystems and Human Well-being: Analysis of Indian Ecosystems. 58 pp. Report Submitted to the UNEP.
9. *Gupta, S., and S. Kant. 2006.* Ecosystems and Human Well-being: Analysis of Indian Ecosystems. 64 pp.. Report Submitted to the UNEP.
10. *Kant, S. 2005.* Gap Analysis in Social Science Research at the Lake Abitibi Model Forest. Submitted to the LAMF.
11. *Kant, S. 2004.* Economics of Woodfuels. Submitted to FAO.
12. *Kant, S., and Shi H. 2003.* An Assessment of Biodiversity Hotspots and Mega-diversity Countries. Submitted to United Nations Environment Programme, Nairobi, Kenya.
13. *Kant, S. and J. C. Nautiyal. 2003.* Comments of Lumber Policy Bulletin (March 2003) by the U.S. Department of Commerce.
14. *Kant, S. and J. C. Nautiyal. 2003.* Comments for Possible Use in Responding to the U. S. Department of Commerce Discussion Draft of January 6, 2003.
15. *Nautiyal, J.C., S. Kant., J. Williams. 2001.* An assessment of the Design and Performance of the Ontario Ministry of Natural Resource Stumpage System (Part I): The Theory of Natural Resource Pricing. OMNR, Ontario, Canada.
16. *Nautiyal, J.C., S. Kant., J. Williams. 2001.* An assessment of the Design and Performance of the Ontario Ministry of Natural Resource Stumpage System (Part II): Comparison of Theory and Practice in Ontario. OMNR, Ontario, Canada.
17. *Nautiyal, J.C., S. Kant., J. Williams. 2001.* An assessment of the Design and Performance of the Ontario Ministry of Natural Resource Stumpage System (Part III): The 1994-95 Stumpage System (Description and Performance). OMNR, Ontario, Canada.
18. *Nautiyal, J.C., S. Kant., J. Williams. 2001.* An assessment of the Design and Performance of the Ontario Ministry of Natural Resource Stumpage System (Part IV): The 1995-2000 Stumpage System (Description and Performance). OMNR, Ontario, Canada.
19. *Kant, S. 2000.* Institutions and bamboo production to consumption system: A comparative study of India and China. For the International Network for Bamboo and Rattan (INBAR), Beijing,

20. *Kant, S., and Marian Chiu.* 1999. Economic reforms, bamboo, and the local economy: a case study of Linan county, Zhejiang province, People's Republic of China. For the International Network for Bamboo and Rattan (INBAR), Beijing, China.

21. *Kant, S.* 1996. Joint forest management: some economic issues. For Ford Foundation, New Delhi, India.

22. *Kant, S.* 1995. Role of wild biological resources in economic development of local communities. For Biodiversity Support Program, Washington, D.C., U.S.A.

23. *Kant, S.* 1991. New dimensions in rehabilitation of degraded forests. For National Wasteland Development Board, Government of India, New Delhi.

## **6.0 List of Research Scholars/Graduate Students whose work has been supervised**

### **6.1 Post-doctoral Fellows (Name, Project, Year, and Current Employment)**

1. *Bin Zheng (Dr.):* Worked as PDF on the SSHRC Project on Environmental Preferences and Sustainable Forest Management, from August 2011 to November 2014. Assistant Professor, Nanjing Forestry University, China.

2. *Bamadev Paudel (Dr.):* Worked as Post-Doctoral Fellow on NSERC Project on Bifurcation and Game Theoretic Models for Sustainable Forest Management from July 1, 2013 to December 2013. Freelance Consultant,

3. *Mehrotra, Shiv Nath (Dr.):* Worked as a PDF on the SFMN project on Developing a Global Competitiveness Index of Forest Industry, from August 2006 to November 2008 and April 2009 to November 2009. Freelance Consultant.

4. *Kijazi, Martin (Dr.):* Working as a PDF on the SFMN project on Economics of Aboriginal Land Use, from October 2007 to December 2009.

5. *Gupta, Sudhanshu (Dr.):* Worked as a PDF on the UNEP project on Developing a Comprehensive Understanding of Environment and Development, from January to Oct 2006. Presently working in the Tamil Nadu Forest Department, India

6. *Kumar, Sushil (Dr.):* Worked as a PDF on the SSHRC project on Historical Event Analysis of Forest Certification, 2004-2005, Professor and Dean Academics, Indian Institute of Management, Lucknow, India

7. *Hua Shi (Dr.),* Worked as a PDF on the UNEP project on Biodiversity Hotspots and Megadiversity Countries, 2002-2003; working as a Senior Scientist with USGS/EROS Data Center, Sioux Falls, South Dakota, USA

8. *Yadav, J. P. (Dr.)*, Worked as a PDF on the UNEP project on Intellectual Property Rights and Environment, 2002-2003; working as a Senior Education Development Officer, City of Toronto, Toronto

9. *Yaoqui Zhang (Dr.)*, Worked on the SFMN project on Transaction Costs and Forest Management, 1999-2000, working as a Professor, Forest Resource Economics, University of Auburn, USA

## **6.2 Visiting Scholars and Students (Name, Program, Year, and Project Title)**

1. *Prof. Qingjian Zhao*, Faculty of Forest Economics and Management, Nanjing Forestry University, 2015-16, Valuation of Ecosystem Services

2. *Ms. Yan Liu*, Visiting Ph.D. Student, Peking University, China, Jan – March 2016, Forest Tenure Reforms in China

3. *Prof. Gu Lei*, School of Economics and Management, Zhejiang Forestry University, 2010-2013, Forest Tenures in China and Canada

4. *Shen Jinyu*, Visiting Ph. D. student, Beijing Forestry University, China, 2012-2013, Forest Tenure Reforms in China.

5. *Gao, Jian Zhong*. China Scholarship Council Fellowship, 2007-08. Productivity of the Chinese Forest Industry.

6. *Xiao Han*, Visiting Student from Beijing Forestry University, 2007-08, Economic Analysis of Chinese Furniture Industry.

7. *Zhang Xuejian*, China Scholarship Council Fellowship, 1998-99, Agricultural Reforms in China

8. *Chen Xianlin*, China Scholarship Council Fellowship, 1999-2000, History of Forest Management in China

8. *Erik Slingerland*, EU-Canada Partnership Program, 1999-2000, Social and Economic Indicators of SFM for Haliburton Forest.

## **6.3 Graduate Students Supervised**

### **6.3.1 Students who have completed their degrees (Name, thesis title, year, and current placement)**

#### **Students who have completed Ph. D. Degree**

1. *G. Casimirri*. Outcomes and Prospects for Collaboration in Two Aboriginal and Non-Aboriginal Forest Management Negotiations in Ontario, 2013. *Freelance Consultant, Hamilton, Ontario, Canada*

2. *Tajinder Pal Singh Bhatia*. Economic analysis of World's carbon markets. 2011. Chief

Conservator of Forest, Forest Department of Haryana, India.

3. *Wood Peter*. Public Forests, Private Governance: The Role of Government in Forest Certification in Canada. 2009. Free Lance Consultant, Vancouver, BC.

4. *Tang Xiaoli*. Economic analysis of north American pulp and paper markets, and competitiveness study for Canadian pulp and paper industry. 2008. Senior Program Officer, Blue Moon Foundation, USA.

5. *Khajuria Rajendra*. Three essays on real options analysis of forestry investments under stochastic timber prices. 2008. Chief Conservator of Forest, Andhra Pradesh Forest Department, Hyderabad, India

6. *Yang, Feng'e*. Economic Analysis of Ontario's Stumpage System, Ph. D., June 2008, Senior Economist, Ontario Ministry of Natural Resources, Sault Ste. Marie

7. *Shahi, Chandra*. Economic Analysis of the North American Softwood Lumber Markets. November, 2007. Associate Professor and Director Undergraduate Programs, Faculty of Forestry, Lakehead University, Thunder Bay, Ontario, Canada.

8. *Martin Kijazi*. Stakeholder-Centered Evaluation of Needs, Priorities and Well-being of Forest Beneficiaries, Kilimanjaro, Tanzania, October 2007. Freeland Consultant, Tanzania.

9. *Smith, Peggy*. Sustainable Forest Management through Co-management in North-western Ontario, July 2007. Associate Professor, Faculty of Forestry, Lakehead University, Thunder Bay, Ontario, Canada.

10. *Robson, Mark*. Social Capital, Context, Consensus-building and Cooperation in Community-based Forest Management, 2004, Freeland Consultant, Toronto Ontario, Canada

11. *Kumar Sushil*. Organizational Resistance to Community-based Forest Management in Forest Department India, 2004. Professor and Dean Academics, Indian Institute of Management, Lucknow, India

12. *Nguyen Van Ha*. Social Capital, Economics, and Waste Management in Vietnam, 2004, Senior Economist, Government of Vietnam, Hanoi, Vietnam

13. *Misra, Dinesh*. Production and Efficiency Analysis of Joint Forest Management in Gujarat State of India, 2004, Principal Chief Conservator of Forests, Gujarat, India

### **Students who have completed M. Sc. F. or M. A. Degree**

1. *Kumary, P*. The Fifth Pathway to Forest Transition in the Andes: Modeling Factors That Influence Smallholder Tree Planting in Mocoties, Venezuela, M. Sc. F. Thesis, January 2014.

2. *Mu-Quing Huang*. Private Environmental Preference (PEP) in Pollution Reduction: Structural Equation Modeling and Cross-Cultural Approaches, M. Sc. F. December 2012.

3. *Sun, Mingli*. Economic Impacts of Forest Stewardship Council Certification on International

Trade of Forest Products. M. Sc. F. December 2011.

4. *Li, JingJing*. Econometric Analysis of Softwood Lumber Production in Ontario. M. Sc. F. September, 2009.

5. *Swaak Natalie*, Forest Tenures and their Implications for Exercising Aboriginal and Treaty Rights on the Kaska Traditional Territory, M. Sc. F. 2008, Forestry, City of Toronto.

6. *Araujo, Michelle*, Forest Certification in Brazil: Choices and Impacts, M. Sc. F. 2007, Ph. D. Candidate at the Faculty of Forestry, University of Toronto

7. *Lee, Susan*. Forest Values and Perceptions of Stakeholders in North-western Ontario, M. Sc. F 2003, Aboriginal Relations, B.C. Ministry of Forestry, Victoria, Canada

8. *Chakravorty. Kavita*. Environment and Children: Perceptions from Calcutta, India, M. A. 2002, Ph. D. Candidate, ANU, Australia

9. *Mahapatra, K*. Determinants of Tropical Deforestation, M.Sc. F. 2001, Associate Professor, Mid-Sweden University, Sweden

10. *Haijin Shi*. Growth Model of Hard Maple Forest in Southern Ontario, M. Sc. F. 2000, Post Doctoral Fellow, Michigan University, USA

#### **Students who have completed Master of Forest Conservation (M. F. C.) Degree**

1. *Lepiano, L*. Revisiting the limits Ontario's Forest Resources Inventory for predicting species composition: A study from the Chapleau Crown Game Preserve, 2015.

2. *Claire Dong*. Subjective Well-being Measurements on Haida Gwaii, BC, Canada, 2014.

3. *Niamh Wall*. Forest Management in the Middle Hills of Nepal: Barriers to Forest Conservation and User Participation, 2014.

4. *Maliha Haswary*. New Canadians and Conservation of Canada's Forests, 2014.

5. *Paulina R. Novelo Camacho*, Diversification of Novelsa's production line: A Feasibility Analysis, 2012

6. *Sara Hipson*. Legislative Approach to Combating Illegal Logging. 2011.

7. *Elena Korshikov*. Reverse Auction to PES Program in Ontario. 2011.

8. *Dunn, Ian*. Ontario's Proposed Tenure and Timber Pricing Reform: Implications for Governance and Forest Ownership. 2010.

9. *O'Brien, Janice*. Payment for Ecological Goods and Services: Recommendations for the Eastern Ontario Model Forest, 2008.



10. *Korol, Christine*. Current Perspectives of the High Conservation Value Forest Process in Ontario's FSC-Certified Forests, 2008.
11. *Lawson, Sarah*. Gone Fishing: A Case Study of the Tourism: Forestry Interface in North-western Ontario, 2004.
12. *Medwidsky, Y. W.* Biodiversity Indicators and FSC Certification of Small Landowners in the Valdivian Eco-region of Southern Chile. 2004.
13. *David Richardson*. Community-based Solid Waste Management System in Hanoi, Vietnam. 2003.
14. *Larissa Parag* .Evaluation of Gender Sensitive Interventions in the Hills Leasehold Forestry and Forage Development Project, Nepal. 2002.
15. *Shawn Carry*. Diffusion of Innovations and Vegetation Management in Ontario.2002.
16. *Christine M.* Comparative Analysis of Village responses to Eco-development Project in Panch Tiger Reserve India, 2002.
17. *Casimirri, G.*Trees Outside Forests: A Case Study of Perceptions and Issues in Madhya Pradesh, India, 2001.
18. *Jaeger, T.* Protected Areas and Local Livelihoods: A Case Study from Hainan Island, P. R. China, 2001.
19. *Marzinotto, E.* Land use Patterns and Tribal Village Dependency on Forest Resources in the Betual District, M. P., India, 2001.
20. *David Silva, J.* Creation of Small-Scale Enterprises Based on Non-timber Forest Products, M. P. India., 2001.
21. *Dowsley, M.* The Development of a Framework for the Analysis of Multiple-use Common Pool Resource Institutions of Indigenous Amazonians, with Case Studies from the Yanomami and Kaapo Peoples of Brazil, 2001.
22. *Teitelbum, S.* Tourism and Forest Community Sustainability, 2000, Ph. D. Candidate, University of New Brunswick, Canada
23. *Denise Allen*. Political, Social, and Professional Forestry Paradigm: The Pursuit of Community Forestry in B.C., 1999.
24. *Chiu Marian*. China's Policy Reforms, Bamboo Production and Local Economy: A Case Study of Linan County, Zhejiang Province, People's Republic of China, 1999.

25. *Newton, J.* The Kendu Leaf Trade in Orissa, India, 1999.
26. *Cooke, Roshan.* Long-term Sustainability of Joint Forest Management in Madhya Pradesh, India, 1998.
27. *Moss, Nick.* Community Forestry in Vencedores, M.F.C. 1998.
28. *Spinnaze, Maria.* Market Potential for Certification in Ontario, Canada, M.F.C. 1998,

**Students who have completed Undergraduate Master of Science in Sustainability Management (MSCSM) Degree**

1. *Chan, J.* Designing the framework for a LoyaltyOne corporate foundation, 2015.
2. *Navarra, A.* Motivation to pro-environmental action – Can expectancy theory be applied to conscious consumption behaviour? 2015.

**Students who have completed Undergraduate (B.Sc.) Degree with thesis**

1. *Azzarello, Samantha.* 2010. Public Good Games for Local and Global Public Goods.
2. *Long, Feinan.* 2010. The Effect of Tenure Uncertainty on Mau Forest Exploitation: the Legacy of Legal Plurality
3. *Leung, Wanda.* 2008. Corporate Social Responsibility and Aboriginal Rights and Values.

**Undergraduate Students who have completed their NSERC/SSHRC Excellence Award with me**

1. *Catherine Edwards:* Worked as a Summer Intern for four months on SSHRC Funded Project – Environmental Values of Students. Summer 2014
2. *Yuan Tan:* Worked as a Summer Intern for four months on SSHRC Funded Project – Community Wellbeing Index of First Nation Communities. Summer 2013.

**6.3.2 Students whose degrees are in progress (name, thesis title, degree, expected date of completion):**

1. *Yiwen Zhang.* Ph. D. International Trade of Forest Products. August 2018.
2. *Han Xiao.* Timber and Forest Land Markets in China. Ph. D. August 2016.
3. *Mustari, Shabnam.* Valuation and Payment Mechanisms for Ecosystem Services. Ph.D., August 2016.
4. *Kumar, P.* Game Theoretic Models for Sustainable Forest Management, Ph. D. August 2016.
5. *Cortes, M. Oscar.* International Trade of Forest Products. Ph. D. May 2017.

6. *Tenneti, Ambika*. Community engagement in Toronto's urban forest: Exploring space for newcomer immigrants, Ph. D. August 2017.

## **7.0 Courses Taught**

### **7.1 Graduate Courses**

SSM1010Y: Principles of Sustainability Management (2014-15 to 2015-16)  
SSM1090S: Sustainable Enterprise – Capstone Project (2015-16)  
SSM2040H: Applied Sustainability Management (2015-16)  
FOR3006H: Case Study Analysis in Forest Management (2006-07 to 2015-16)  
FOR3003F: Economics of Forest Ecosystems (1997-98 to 2015-16)  
FOR1412F Natural Resource Management I (2012-13, 2013-14)  
FOR1413S Natural Resource Management II (2012-13)  
FOR 1460F: Communities and Community-based Forest Management Systems (1998-99 to 2005-06)  
FOR3008H: Research Paper in Forest Conservation (1997-98 to 2012-13)  
FOR3007H: Internship in Forest Conservation (1996-97 to 2012-13)  
FOR3011H: International Forest Conservation (1999-2000, 2000-2001, 2013-14)  
FOR1461F: Natural Resource Accounting (1997-98 to 1999-2000)  
FOR3004F: Forest Management Decision Support System (1996-97)  
FOR1413S: Economics of Forest Conservation (1996-97)

Out of these twelve courses, I designed seven courses (SSM1010Y, FOR3006H, FOR3003F, FOR1460F, FOR1461F, FOR1413S, and FOR3004F), and taught during the years as shown above. Other five courses are general courses of the Faculty, and all faculty members contribute to those courses.

In recent years, I have been teaching two graduate courses regularly – FOR3003F and FOR3006F. I always strive for highest satisfaction of my students from my teaching, and every year I put lot of efforts in modifying course contents and teaching methods as per students' observations expressed through course evaluations.

Students had major concerns about FOR3006H for many years prior to 2006-07. So, in 2006-07, I volunteered to redesign and teach this course. I have been highly successful in addressing students' concerns, and in 2006-07 (when I taught this course first time), the course evaluation was highly satisfactory.

### **7.2 Undergraduate Courses**

FOR303H: Human Dimensions of Forestry (2009-10)  
ENV 421: Environmental Research (2009-10)  
FOR302H: Societal Values and Forest Management (2004-05 to 2008-09)  
FOR303F: Society and Forests (2001-02 to 2003-04)  
FOR302H: Forest Management and Resource Allocation (2000-01 and 2001-02)  
INI496H: Environmental Accounting (1997-98 to 1999-2000)

Out of these six courses, I designed four courses (INI496H, FOR303H (Human

Dimensions of Forestry), FOR303H (Society and Forests), and FOR302H (Societal Values and Forest Management)). FOR302H: Forest Management and Resource Allocation was co-designed by Prof. David Balsillie and myself and we jointly taught that course in 2000-01 and 2001-02. However, on the retirement of Dr. Balsillie, I totally redesigned that course, and I taught that course for five years. Similar to graduate courses, every year I put lot of efforts in modifying course contents and teaching methods of this course as per students' observations expressed through course evaluations. The course has been highly successful, and is one the third year forestry courses which have attracted maximum number of students.

### **7.3 Other Courses**

I have been offering regularly Natural Resource Management (FOR1412H) and Advanced Topics in Forestry (FOR1900H) as directed studies. In addition to these courses, I have been contributing to FOR 3000H: Current Issues and Approaches in Forest Conservation, and FOR 1580H: Forestry in the Developing World.

### **7.4 Special Courses Designed and Taught**

In 2008-09, on the request of Copenhagen University, I taught FOR3006: case Study Analysis in Forest Management at Copenhagen University.

In 2007-08, I designed a short-course on “*Timber Pricing and Competitiveness of Forest Industry*”, and the course was taught on November 7-8, 2007, at the Canadian Ecology Centre, Mattawa, Ontario, Canada.

In 2007-08, on the request of Beijing Forestry University, I designed a course on “Economics of Forest Ecosystems” and taught on June 4-8, 2007, at the Beijing Forestry University, Beijing.

In 2006-07, on the request of UNEP, a course on “Ecosystem and Human Wellbeing” was designed and taught at the *Vietnam Forestry University, Xuan Mai, Chuong My, Ha Tay, Vietnam, April 10-14, 2006, and Zhejiang Forestry University, Linan, Zhejiang, PRC, April 17-21, 2006.*

In 2003, I designed a special module on “*Economics of Waste Management*” and I taught a 3-day module in Laos as a part of the CIDA funded project on Economics of Waste Management.

In 2000, on the request of the Indian Council of Forest Research and Education (ICFRE), Dehradun, India, I designed a special course on “*Forest Valuation and Forest Management*”. Four scientists/officers from the ICFRE attended the course. The course was offered from Sept. 2000 to Dec. 2000.

## **8. Service to the Profession:**

## **8.1 Positions as Editor/Associate Editor/Member Editorial Board**

**2005 - 16: Editor-in-Chief**, Sustainability, Economics, and Natural Resources: A Book Series published by Springer

**2015-16: Guest Editor**, Forest Policy and Economics, Special Issue on New Frontiers of Forest Economics, In Press.

**2012-13: Guest Editor**, Forest Policy and Economics, Special Issue on New Frontiers of Forest Economics, Volume, 35, 2013.

**2005-07: Guest Editor**, Forest Policy and Economics, Special Issue on Sustainable Forest Management, Multiple Forest Values, and Economics, Volume, 9(7), 2007.

**2005-06: Guest Associate Editor**, Forest Science, Special Issue on International Trade of Forest Products. Forest Science, 52(4), 2006.

**2004: Guest Editor**. Forest Policy and Economics: Special Issue on Economics of Sustainable Forest Management. Volume 6, Issue 3-4, 2004.

**2003: Guest Editor** (Horton, S., S. Kant., L. Grima.) Environment, Development, and Sustainability: A Special Issue on Natural Capital, Poverty, and Development. Volume 5(3-4).

**2004-16: Associate Editor**, Canadian Journal of Forest Research

**2004-16: Associate Editor**, Journal of Forest Economics

**2004-16: Member**, Editorial Board, Journal of Environmental and Ecological Management.

**2013-16: Member**, Editorial Board, Forest Ecosystems

## **8.2 Leadership Positions**

**2012-16: Founder and Group Leader** – New Frontiers of Forest Economics (NEFFE) – The group is considered by Forest Economists as an International Think Tank on Forest Economics

**2010-16: Group Leader** - International Union of Forest Research Organizations, 9.04.00 – Forest Resource Economics, from November 2010 to present

**2014-16: Member** – Ontario Government Forest Tenure Modernization Oversight Group

**2006-10: Group Leader** - International Union of Forest Research Organizations, 4.05.00 - Managerial Economics and Resource Accounting, from January 2006 to November 2010

**2005-08: Scientific Advisor** - Genomics, Ethical, Environmental, Economic, Legal and Social

(GE<sup>3</sup>LS) Issues Project, Faculty of Forestry, University of British Columbia, Canada. .

**2004-08 Senior Fellow** –Ashoka Trust for Research on Ecology and Environment, New Delhi,

**2009-16 Senior Fellow** – Aravali Centre for Education, New Delhi

**2005-15: Faculty Associate** - BC Forum on Forest Economics and Policy, Faculty of Forestry, University of British Columbia, Vancouver.

**2001-2005: Deputy Leader** - International Union of Forest Research Organizations, Group 4.04.02: Managerial Economics in Forestry

**2006-11 Member, Advisory Board,** World Forests - a Book Series of Springer

**2003-08: Member,** Social Science Committee, the Lake Abitibi Model Forest (LAMF), Ontario, Canada.

### **8.3 Consultant**

**2014-16: Consultant** to Credit Valley Conservation Authority, on Environmental Benefit Index for Wetlands of Ontario

**2012-13: Consultant** to the International Union of Forestry Research Organizations, on Forests and Economic Development: New Pathways

**2011-12: Consultant** to the Ontario Ministry of Natural Resources, Canada, on Economic Analysis of Public Policies focused on Forest Biommas Based Bioproducts

**2009: Consultant** to the UK Department for International Development (DFID). SWOT Analysis of the Proposed Forest Policy of Orissa, India.

**2008-09:Consultant,** to the Ontario Ministry of Natural Resources, Canada on The Socio economic Value of Non-timber Non-Carbon Ecological Goods and Services from Afforested Private Lands in Southern Ontario.

**2008-09: Consultant,** to Ontario Professional Foresters Association, Canada on Global Trends in Forest Tenure

**2005-2007: Consultant** to the National Aboriginal Forestry Association on Aboriginal Values and Perceptions about Sustainable Forest Management and Forest Certification

**2004-2006: Consultant** to the Lake Abitibi Model Forest

**2003-2004: Consultant** to FAO on Economics of Fuelwood.

**2002-03: Consultant** to the Ontario Ministry of Natural Resources, Canada for Support on U.S.

**2000-01: Consultant** to Forest Values Group, Ontario Ministry of Natural Resources, Canada for 'Review of Stumpage Policy'

#### **8.4 Service in Terms of Providing Intellectual Platforms for Discussion of the Issues Related to Sustainable Forest Management**

**1. Co-Chair, Organizing Committee of International Conference on New Frontiers of Forest Economics (NEFFE), August 17 to 23, 2015, at the Peking University, China:** I was the Co-Chair of organizing committee of this conference, and the conference was organized in collaboration with CFS and Peking University, Beijing, China. This conference was the second conference of the NEFFE International Group that we established in 2012. The key objectives of the conference were: (i) to bring together leading thinkers in forest economics from academia, government, and organizations related to the forest sector to explore thought-provoking perspectives on new frontiers of forest economics; (ii) to provide a unique forum to present and discuss cutting-edge thinking papers that will enrich and provide future direction to the discipline of forest economics. We invited 2 guest speakers and only 11 papers were selected from the call for abstracts. These papers, with the reports of two discussants, are being published as a special issue of Forest Policy and Economics.

**2. Chair, Organizing Committee, Scientific Session on “Forests and human wellbeing: Life satisfaction and behavioral approaches” at the XXIV IUFRO World Congress, October 6-11, 2014, Salt Lake City, USA**

**3. Co-Chair, Organizing Committee, Scientific Session on “Reforming forest tenure and governance for mitigating climate change and improving people’s livelihoods” at the XXIV IUFRO World Congress, October 6-11, 2014, Salt Lake City, USA**

**4. Co-Chair of a Plenary Session on Forests and Civil Society, at the United Nations Forum on Forests (UNFF 10) UNFF 10, Istanbul, Turkey, April 8 to April 20, 2013**

**5. Member, Organizing Committee, International Conference by Major Groups-Led Initiative (MGI) and IUFRO for the preparation of the contributions of the MGI at UNFCCC 10, March 18-22, Rio de Janeiro, Brazil**

**6. Member, Scientific Committee, International Conference of IUFRO Group 9.04.05 on Institutions and Markets for Ecosystem Services in Green Economy, Zhejiang A & F University, Linan, Zhejiang, China, May 13, 2013**

**7. International Symposiums of Forest Economics: Forest Development in China and Asia-Pacific Regions on Global Climate Change, Beijing Forestry University, Beijing, October 13-14, 2012:** I was the Co-Chair (with President Song Weimin, Beijing Forestry University) of the organizing committee.

**8. International Conference on New Frontiers of Forest Economics, ETH, Zurich,**

**Switzerland, June 26-30, 2012:** I was the Chair of organizing committee of this conference, and the conference was organized in collaboration with CFS and ETH Zurich. This conference has started a new chapter in forest economics. The key objectives of the conference were: (i) to bring together leading thinkers in forest economics from academia, government, and organizations related to the forest sector to explore thought-provoking perspectives on new frontiers of forest economics; (ii) to provide a unique forum to present and discuss cutting-edge thinking papers that will enrich and provide future direction to the discipline of forest economics; and (iii) to provide an opportunity to the participants to discuss the organizational aspects of an IUFRO research group on New Frontiers of Forest Economics – a research group that will work for the promotion of New Frontiers of Forest Economics. We invited 5 guest speakers and only 6 papers were selected from the call for abstracts. These 11 papers were presented during three days that allowed intense discussion of each paper. These papers, with the reports of two discussants, were published as a special issue of Forest Policy and Economics

**9. International Conference on Urban Green Spaces, New Delhi, India, March 5-7, 2012:** I was the member of International Advisory Committee of the conference, and devoted a substantial time during 2011 in the organization of the conference.

**10. Organization of a Meeting of the Authors of Chapter 3: Land, Global Environmental Outlook (GEO) 5.** I organized this meeting from March 8 to 12, 2011 at the Faculty of Forestry, University of Toronto.

**11. Organization of a Meeting of the Working Group on New Frontiers of Forest Economics:** I organized this meeting from April 18 to 20, 2011 at the Faculty of Forestry, University of Toronto.

**12. Sub-Plenary Session on New frontiers of forest economics, at the XXIII IUFRO Congress, August 20-28, 2010, Seoul, South Korea:** I organized this session in collaboration with Martin Hostettler *Cycad, Switzerland*, and Prof. Hans Heinimann *ETH, Switzerland*.

**13. Scientific Session on the Role of institutions and institutional economics in sustainable forest management at the XXIII IUFRO Congress, August 20-28, 2010, Seoul, South Korea:** I organized this session in collaboration with Martin Hostettler, *Cycad, Switzerland*, and Prof. Yaoqi Zhang *Auburn University, USA*.

**14. Scientific Session on Culture, economics, and sustainable forest management at the XXIII IUFRO Congress, August 20-28, 2010, Seoul, South Korea:** I organized this session in collaboration with Martin Hostettler *Cycad, Switzerland*, and Prof. Hans Heinimann *ETH, Switzerland*

**15. Scientific Session on Managing Asian bamboo forest in a changing world at the XXIII IUFRO Congress, August 20-28, 2010, Seoul, South Korea:** I organized this session in collaboration with Prof. Yueqin Shen, *Zhejiang Forestry University, China*; and Prof. Yaoqi Zhang, *Auburn University, USA*.

**16. Scientific Session on Role of trees outside forests in Asia's changing forestry**



**environment at the XXIII IUFRO Congress, August 20-28, 2010, Seoul, South Korea :** I organized this session in collaboration with Dr. Padam Prakash Bhojvaid, *The Energy and Resources Institute, India*, and Dr. V.P. Singh, *National Agriculture Science Centre, India*.

**17. IUFRO Group 4.05.00 Annual Meeting and International Conference on Sustainable Forest Management and Accounting: Resolution During the Financial Crisis, October 28, 2009, Dermstadt, Germany:** I am the Chair of the IUFRO Group 4.05.00, and in that capacity, it is my responsibility to organise annual meetings and workshop. I organised this conference in partnership with other office-holders of the group and local people from Germany.

**18. The 3<sup>rd</sup> International Faustmann Symposium, Darmstadt, Germany, October 28-31, 2009:** I was one of the members of organizing committee of this symposium.

**19. CURA (Environmental Issues) Planning Workshop on Incentive Mechanisms for the Provision of Ecosystem Services, Toronto, Canada, August 4-5, 2009:** I organised a planning workshop for the CURA project at the University of Toronto.

**20. A Session on the Modelling of Uneven-aged Forests, Organised at the CORS-INFROMS Annual Conference, Toronto, June 14-17, 2009:** I organised a session on modelling of uneven-aged forests at this conference.

**21. IUFRO Group 4.05.00 Annual Meeting and International Conference on Building Insights of Managerial Economics and Accounting towards Sustainable Forest Management, May 22-24, 2008, University of Ljublijana, Ljublijana, Slovenia:** I am the Chair of the IUFRO Group 4.05.00, and in that capacity, it is my responsibility to organise annual meetings and workshop. I organised this conference in partnership with other office-holders of the group and local people from Ljublijana, Slovenia.

**22. ICURA Planning Workshop, Lin'an, China, July 31-August 3, 2008:** I played a key role in organising this planning workshop at the Zhejiang Forestry University, Linan, Zhejiang.

**23. International Congress on a Global Vision of Forestry in the 21<sup>st</sup> Century, September 30 – October 3, 2007:** I, as the Chair of the organizing Committee of this Congress, provided leadership to the organization of this Congress. My contributions included conceptualization of the congress objectives and themes etc, organization of organizing committee meetings, drafting and finalizing the Announcement of the Congress, selection of theme and sub-theme chairs, selection of invited speakers, contacting chairs and speakers, promotion of the congress, and fund raising for the congress. I also presented the concluding remarks – A Global Vision of Forestry – in the final session of the Congress.

**24. A Workshop and the SFMN Project Partners Meeting on the Market and Institutional Structures, Economic Welfare, and the Global Competitiveness of the Canadian Forest Industry, November 22-23, 2007, Victoria, B.C:** I organized this workshop as part of the SFMN project on this topic. Speakers from other SFMN projects and the BC Forum on Forest Policy and Economics were invited. 35 people participated and 13 presentations were made.

**25. IUFRO Group 4.05.00 Annual Meeting and International Conference on Building Insights of Managerial Economics and Accounting towards Sustainable Forest Management, May 17-19, 2007, Ukrainian National Forestry University, Lviv, Ukraine:**

I am the Chair of the IUFRO Group 4.05.00, and in that capacity, it is my responsibility to organise annual meetings and workshop. I organised this conference in partnership with other office-holders of the group and local people from Ukraine.

**26. A Workshop and the SFMN Project Partners Meeting on the Global Competitiveness of Forest Industry, October 25-27, 2006, Victoria, B.C:**

I organized this workshop as part of the SFMN project on this topic. Speakers from other SFMN projects, the BC Forum on Forest Policy and Economics, China, Brazil, and Finland were invited. 40 people participated and 12 presentations were made.

**27. A discussion forum on “the Global Competitiveness of the Canadian Forest Industry: Challenges, Opportunities, and Strategic Directions”:**

I organized and chaired this discussion forum during the SFMN Conference, 20-22 June 2006, Edmonton. The invited speakers were Mr. David Morel (Government of BC), Dan Wilkinson (Alberta Sustainable Resource Development), Tom Roseer (FPAC), Harry Bombay (NAFA), and Kees van Kooten (University of Victoria) who made presentations on the global competitiveness of the Canadian forest industry.

**28. IUFRO Group 4.05.00 Annual Meeting and International Symposium on Managerial Economics and Accounting in an Evolving Paradigm of Forest Management, Rottenburg, May 17 – 20, 2006:**

I am the Chair of the IUFRO Group 4.05.00, and in that capacity, it is my responsibility to organise annual meetings and workshop. I organised this meeting and workshop in partnership with other office-holders of the group and local people from Rottenburg.

**29. The First Rorke Bryan International Conference on Natural Resource Conservation and Beyond, June, 2005:**

I organized this conference in the honor of Prof. Rorke Bryan, Ex-Dean, Faculty of Forestry. The conference was highly successful attended by about 50 participants including many students of Rorke Bryan.

**30. A Session on the Economics of Sustainable Forest Management, at the IUFRO World Congress, August 12, 2005, Brisbane, Australia:**

I organized this session at the XXII IUFRO World Congress, August 7-13, 2005, Brisbane Australia. I selected five speakers for this session. The speakers were from United Kingdom, United States, Slovenia, and Canada.

**31. A Session on the Environmental Good, Institutions, and Markets at the IUFRO Congress, August 9, 2005, Brisbane, Australia:**

I organized this session at the XXII IUFRO World Congress, August 7-13, 2005, Brisbane Australia. I selected five speakers for this session. The speakers were from Cameroon, Finland, Norway, and Malaysia.

**32. The US-Canada Forest Products Trade: A Bilateral Symposium, March 7-8, 2005, Michigan State University, Lansing, Michigan, USA:**

The symposium was organised by Michigan State University in collaboration with Faculty of Forestry, University of Toronto, OMNR, Michigan Department of Natural Resources, and the Great Lakes Forest Alliance. The symposium

was financially supported by Government of Canada and USDA Forest Service Forest Products Laboratory. I was one of the key members of the organising committee of this symposium. The event was again very successful. All the participants recognised the importance and the appropriate timing of the symposium. Twelve guest speakers, 15 voluntary speakers, and about 50 other scholars participated in the symposium.

**33. International Conference on Economics of Sustainable Forest Management, May 20-22, 2004.** This was the first International Conference on the Economics of Sustainable Forest Management. The conference was highly successful attended by about 174 participants from about 40 countries. The unique, integrative, and visionary nature of the conference has been recognized globally.

**34. International Conference on Natural Capital, Poverty, and Development, Munk Centre for International Studies, University of Toronto, September 5-8, 2001:** The conference was organized in collaboration with Prof. S. Horton, Munk Centre for International Studies, Prof. R. Hensall and Adam Fenech, Institute for Environmental Studies, and Dr. Kirk Hamilton, World Bank. I organized a session on Institutions, Natural Capital and Development.

**35. Workshop on Research Issues, Strategies and Partnerships for Sustainable Forest Management: Northwestern Ontario and Beyond, Thunder Bay, Ontario, Feb 24-26, 2001:** This workshop was organized in collaboration with the University of Manitoba and the University of Alberta, and the workshop was sponsored by the SFMN, Edmonton, Alberta. The main objective of the workshop was to bring the researchers from Sustainable Forest Management Network Sustainable Aboriginal Communities Initiative projects in north western Ontario as well as SFM Network researchers from across Canada, and their partners together and share their views and research. The workshop provided a unique opportunity for all the stakeholders, forest industries, Aboriginal People, OMNR, and environmental groups, in north western Ontario to share their views on forest management

## **8.5 Other Scholarly Services to the Profession:**

**8.5.1. Member, NSERC Evaluation Group 1509, Civil, Industrial, and Systems Engineering (2009-12):** I worked as a member of NSERC Evaluation Group 1509.

### **8.5.2. Referee for Scientific Journals**

Worked as a referee for articles submitted to the following journals: Agro Forestry Systems, Australian Journal of Agriculture Economics, Canadian Journal of Agriculture Economics, Canadian Journal of Forest Research, Ecological Economics, Environmental Management, Environment and Development Economics, Forestry Chronicle, FORSTARCHIV, Forest Science, Forest Ecology and Management, Forest Policy and Economics, International Transactions in Operational Research, International Forestry Review, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Journal of Forest Economics, Journal of Great Lakes Research, Land Economics, World Development

### **8.5.3 Reviewer for Grant Proposals**

Worked as a grant proposal reviewer for Canadian Forest Service, Finland Academy of Science,

Ontario Graduate Scholarships, Natural Science and Engineering Research Council of Canada, Shastri Indo-Canadian Institute, Social Sciences and Humanities Research Council, and Sustainable Forest Management Network, Edmonton.

#### **8.5.4 Reviewer for Canada Research Chairs**

2015 - Worked as a reviewer for proposals of Canada Research Chairs submitted to NSERC/SSHRC

#### **8.5.5 Professional Affiliations**

2016- : Academy of Management

2000-16: International Unions of Forestry Research Organizations (IUFRO)

2007-16 Canadian Institute of Forestry (CIF)

2007-16 Commonwealth Forestry Association (CFA)

2006-14: American Economic Association (AEA)

2004-13: International Association of New Institutional Economists

2004-11: Association of Environmental and Resource Economists (AERE)

2008-11 European Association of Environmental and Resource Economists (EAERE)

1989-06 International Association for Study of Common Property (IASCP)

1996-04 International Society of Ecological Economics

1996-04 Canadian Society of Ecological Economics

1996-04 Canadian Association of Forest Economists

1996-03 Canadian Institute of Forestry

1997-03 Canadian Asian Studies Association

1997-03 Ontario Forestry Association

## **9.0 Service to the Faculty of Forestry and University of Toronto**

### **9.1 Establishment of the Ontario Network on Ecosystem Services (ONES):**

Shashi played the key role in establishing the ONES. The need for such a network was identified at a 2009 workshop that was organized by Shashi Kant as a part of developing a Community University Research Alliance (CURA) proposal for the SSHRC. The name and terms of reference for this network were drafted in late 2010 by a committee Chaired by Shashi Kant. The network was formally launched at a Forum on November 15, 2011 in Alliston Ontario.

### **9.2 Revival of the Faculty of Forestry Alumni Association**

Shashi puts special efforts in the revival of the Faculty of Forestry Alumni Association. In 2000, he with others organised Annual General Body meeting after a gap of about five years, and he accepted the position of Treasurer. However, the Executive which was elected in 2000 was also not very active except him as a Treasurer. So, he organised two GB Meetings in 2005 and 2006. The outcome of 2006 General Body Meeting was an establishment of the Alumni Task Force. Shashi was member of this Task Force, and as an outcome of the Task Force report, Interim Office Bearers (President and Secretary) and later Office Bearers were elected.

### **9.3 The Constitution of the Council of Faculty of Forestry**

The Faculty Council was defunct for almost 15 years. In 2006, Shashi drafted the Faculty Constitution, and it went through many major revisions based on the inputs from the Provost office. The constitution has been approved by the Faculty Council and the Governing Council, and the Faculty Council has started functioning again.

#### **9.4 A Leading Role in the Conceptualization of Centennial Celebration Events**

In 2005, Shashi organised the Annual General Body Meeting of the Faculty of Forestry Alumni Association which provided the fundamental inputs to the centennial celebrations of the Faculty. Shashi, as a Treasurer of the FAA, initiated Alumni Records and History of the Faculty of Forestry projects in 2005. He was also instrumental in initiating a project on the Directory of Alumni. In fact, Shashi recruited most of the Class Representatives for this project. He was also: Chair, Organizing Committee, International Congress on A Global Vision of Forestry in the 21<sup>st</sup> Century, Member, Finance Committee, and Member of Centennial Organizing Committee.

#### **9.5 Special Contributions to the Master of Forest Conservation Program**

Even though Shashi has never been a MFC Coordinator, but since the starting of this program, he has made special contributions to the program. In the early years of the program, he contributed by finding many national and international internship to MFC students. He was instrumental in organising internships in China, Nepal, India, and Vietnam. In 2001, he was also instrumental in organising a Home-Coming of MFC graduates which was also very successful event. In addition, he also worked with many MFC students leading them to publish their work as refereed journal publications.

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