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Veteran of 1971 Indo-Pakistan War in Bangladesh and Operation *Meghdoot* (Siachen glacier). In his military career he as an instructor in Gunnery was the chief instructor and head of training and member faculty of studies at School of Artillery. He was also involved in digitization of tactical and technical issue of artillery and emerging character of war. He is a Research Fellow at the Institute for Defence Studies and Analyses(IDSA)since 2005. Presently he is working on IDSA project on indigenous historical knowledge(Kautilya's *Arthashastra*) and is the convener of ICSSR sponsored national and international seminar on Kautilya's *Arthashastra* .

He has given presentations on climate change and non traditional security(NTS) issues at capsules conducted at IDSA for military, IFS probationers and police officers . In April 2013 he was invited by Institute of Foreign Policy Studies , University of Calcutta to give lecture on global environmental governance. He is on the guest faculty of the Foreign Service Institute and gives presentations to diplomats from foreign countries on non traditional security and to IFS probationer on Tibet and Kautilya's *Arthashastra* . He also gives presentation on Kautilya's *Arthashastra* to all training capsules conducted for BSF officers at IDSA and for interns . He is on the guest faculty of School of Planning and Architecture , New Delhi on climate change. Besides climate change and NTS , he has a number of books, edited chapters and articles on military matters and on Tibet.

Some Work on Non Traditional Security

Books.1.*Environmental Security: Internal and External Dimensions and Response* , New Delhi, USI of India /Knowledge World, 2003 and 2. *Environmental Security: New Challenges and Role of Military*, IDSA/Shipra Publishers , Delhi, 2010.

Working Group/Task Force Reports at IDSA. 1. *Security Implications of Climate Change for India*(2009) 2. *Water Security*(2010). 4. Task Force on Geopolitics of Climate Change : Implications for India's Energy Security(ongoing).

Edited Chapters. 1.“ India's Security in the 21st Century: The Environmental Aspects” in Rajendra Prasad(ed.), *India's Security in 21st Century: Challenges and Responses*, New Delhi, Dominant Publishers, 2002. 2. “Land and Security” in *Comprehensive Security; Environmental Dimensions*, New Delhi, Delhi Policy Group, 2004.3. “ Biological Weapons and Bio-Terrorism: Threat to the Environment?” in P.R. Chari and Suba Chandran(eds.), *Bio- Terrorism and Bio- Defence*, New Delhi, Manohar, 2005.4.

“Cooperative Framework For Asian Security In The 21st Century : Climate Change and Environment" in NS Sisodia and V Krishnappa (eds.), *Global Power Shifts and Strategic Transition in Asia* , New Delhi, IDSA/Academic Foundation,2009. 5. “ Climate Change , Environmental Degradation and Societal Challenges”, Krishan Saigal(ed.), *Climate Change : The Human Aspect*, Delhi, Kalpaz Publishers, 2010. 6. “ Environmental Security and Regional Cooperation: What is Feasible ?” in D. Suba Chandran and J. Jeganaathan(eds.) *Energy and Environmental Security : A Cooperative Approach in South Asia* by IPCS/Consortium of South Asian Think Tanks, 2011. 7. “ A Cooperative Security Framework- Environment and Climate Change” in Nihar Nayak(ed.), *Cooperative Security Framework for South Asia*, IDSA, New Delhi , Pentagon Press, 2013. 8. “ Traditional and Non Traditional Issues: Conceptual Framework” paper presented in 14th Asian Security Conference at IDSA in February 2012 (forthcoming in Routledge). 9. “War, Peace, and Climate Change” in Utham Kumar Jamadhari(ed.), *The Unrecognized Peril: Threat to Environmental Security*, New Delhi, Vij Books 2014.10. “Non Traditional Security Challenges”, paper presented on October 17, 2013 at India-Australia 1.5 Dialogue Realizing Vision for Partnership and Prosperity (forthcoming).

Articles/Issue Brief. 1. “ Indian Ocean – Environmental Conflict Resolution”, *Journal of Indian Ocean Studies* , Vol.8, No.3, December 2000.2.“ Saving the Indian Ocean and Coastline from Man Made Pollution and Disasters”, *Journal of Indian Ocean Studies* , Vol.10, No.3, December 2002. 3. “ Population, Urbanisation, Expectations and Insurgencies”, *Journal of Indian Ocean Studies* , Vol.10, No.3, December 2003. 4. “ The Environmental OODA Loop”, *USI Journal*, January – March 2007. 5. “Changing Geographic Factors in Planning and Conduct of Military Operations”, *Strategic Analysis*, Vol.32, No.2, March 2008. 6. “Sino-Indian Water Issues”, *Strategic Analysis*, Vol.32, No.6, November 2008.7. “Climate Change – Environmental Degradation and Societal Challenges”, *Journal of Indian Ocean Studies* , Vol.16, No.3, December 2008. 8. “Climate Change and Security: Present and Future Challenges for Diplomacy”, *Indian Foreign Affairs Journal*, Vol4, No.1, 2009. 9. “Climate Change and the Military” , *Journal of Defence Studies*, Vol.3. No.4, October 2009.10. “Remarks by the Discussant”, Proceedings of a Panel Discussion on Climate Change, USI of India, February 2012.11. “Climate Change and Environmental Degradation in Tibet: Implications for Environmental Security in South Asia”, *Strategic Analysis*, Vol.34, No.5, September 2010.12. “Debate Post Copenhagen Scenarios, India’s Option - Getting the Science Right in the Public Domain”, *Indian Foreign Affairs Journal*, Vol.5, No.1, January – March 2010. 13. IDSA Issue Brief “*The Arctic as a Global Common*”(2011). 14. “ Climate Change and Conflict in South Asia”, *Strategic Analysis*, Vol.36, No.1, January 2012.15. “Reassessing India’s Disaster Management Preparedness and Role of the Indian Armed Forces”, *Journal of Defence Studies*, Vol.6, No.1, January 2012(co-authored with Shivananda .H). 16. “ The Future of Disaster Relief by the Military”, *Journal of Indian Ocean Studies*, Vol20, No.2, August 2012. 17. *Current Issues in Climate Change*, IDSA Occasional Paper 2014(forthcoming).

Some Work on Military Matters

- *Operation Bangladesh*(New Delhi , Manas Publishers, 2007)
- *Composition and Regimental System of the Indian Army: Continuity and Change* (Delhi ,IDSA/ Shipra Publications, 2008)
- “Trends in Thinking about Warfare” , *Strategic Analysis*, Vol.33, No.6, November 2009
- “Ways of Warfare and Strategic Culture”, *Defense & Security Analysis*, Vol.25, No.4, December 2009
- “Issues and Steps in Force Modernisation”, *Centre for Land Warfare Studies Journal*, Winter 2010
- “Mapping Chinese Oil and Gas Pipelines and Sea Routes”, *Strategic Analysis*, Vol.35, No.4, July 2011
- *Renaissance of Military History and War Studies in India*, IDSA Occasional Paper Number 21, November 2011
- *Back to the Basic : Foot and Hoof Mobility in the Mountains*, IDSA Policy Brief, 2011 (co-authored with Virander Kumar)
- “Reassessing India’s Disaster Management Preparedness and Role of the Indian Armed Forces”, *Journal of Defence Studies*, Vol.6, No.1, January 2012(co-authored with Shivananda .H) “ Learning Lessons and Revisiting Myths from Kameng”, *Journal of Defence Studies*, Vol.6, No.3, October 2012.
- Disaster Relief portion of Military Centre’s Project *Net Security Provider: India’s Out-of-Area Contingency Operations* , Military Affairs Centre, IDSA, October 2012.
- “The East African Campaign 1940-41 and The North African Campaign’ in *Contribution of the Indian Armed Forces to the Second World War: Book Release and Panel Discussion*, IDSA Special Feature, January 2013
- *Operational Lessons of the Wars of 21st Century*, IDSA Monograph Series No.12, January 2013
- Chapter on Military Dimensions of US Pivot and Its Implications in SD Muni and Vivek Chadha(eds.), *US Pivot and Asian Security*, *Asian Strategic Review 2014* (forthcoming)
- “9th Murree and 12th Poonch Mountain batteries in the 1918 Palestine Campaign”(forthcoming in Joint USI – MEA Great War Centenary Project)

Some Work on Tibet

- “ Buddhism in the Himalayan Belt”, *Bulletin of Tibetology*, Vol.44, No.1 and 2, 2008.
- IDSA Task Force Report *Tibet and India’s Security: Himalayan Region, Refugees and Sino- India Relations*, (co authors Jagannath P. Panda and Zakir Hussain), May 2012

- “Socio- Economic Changes in Tibet”, in Prabhat Shukla(ed.), *Tibet : Perspectives and Prospects*, New Delhi , Vivekanand International Foundation, Arya Publishers, 2014.

Some Work on Indigenous Historical Knowledge

Book/Monograph

1. *One Hundred Years of Kautilya's Arthashastra*, IDSA Monograph No. 20, July 2013

Articles /Commentaries/Issue Briefs

1. “ Relevance of Kautilya's *Arthashastra*”, *Strategic Analysis*, Vol.37, No.1, January-February 2013
2. “ Shruti and Smriti: Some Issues in the Re-emergence of Indian Traditional Knowledge”, IDSA Issue Brief, February 12, 2013
3. “ Understanding Kautilya's Arthashastra: In Praise of Rote”, *World Affairs, The Journal of International Issues*, Vo.17, No.1, Spring(January- March) 2013
4. “ Understanding Kautilya's Four Upayas”, IDSA web commentary June 20, 2013
5. “ Overcoming the Ways of *Matsya Nyaya*”, *Strategic Analysis*, Vol.37, No.5, September- October 2013
6. “ The Cholas : Some Enduring Issues of Statecraft, Military Matters and International Relations”, *Journal of Defence Studies*, Vol.7, No.4, October- December 2013

Forthcoming/Work in Progress

1. “ Interpreting Concepts in Kautilya's Arthashastra: Indo-Pakistan-Afghan Relations”
2. “ Kautilya's *Arthashastra* and *Panchatantra*”
3. “Comparing Contemporary Use of Traditional Historical Knowledge : China and India”
4. “ Forest Dwellers and Tribals : Interpreting from Kautilya's *Arthashastra* and Other Sources”
5. Presentation in the Fourth Global International Studies Conference to be held at Frankfurt, Germany in August 2014 on the theme Kautilya's *Arthashastra* and Discourse on IR Theory and Practice.

Edited Book and Chapters in Books as Co- Editor (forthcoming) of ICSSR

Sponsored Seminars

1. Arvind Gupta, PK Gautam and Saurabh Mishra(eds.) *Indigenous Historical Knowledge : Kautilya and His Vocabulary – Part 1 .*
 - (a) “Policy Issues Identified and Next Step(s)”
 - (b) “Three Examples- I- *Dharmavijay*(just war) : Liberation of Bangladesh 1971, II- Winning the Peace and Wars of Armed Conflict and War With or Without Spilling Blood? : Clausewitz and Kautilya”
2. Arvind Gupta, PK Gautam and Saurabh Mishra(eds.) *Developing Indigenous Concepts and Vocabulary: Kautilya's Arthashastra – Part 2*, chapter titled “ One Year of *Arthashastra*: Response, Pedagogy and Research”