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Indian Institute of Science (IISc) Campus, Bangalore, India

NIAS Weekly Brief

25 July 2022, Monday



Shailesh Nayak

Director, National Institute of Advanced Studies

Factoring Climate Change Risks in the Wetland Ecosystems Governance: A Policy Look Ahead

Environmental Policy and Law, vol. 52, pp. 277-288, 2022

Wetland ecosystems, freshwater, coastal and coral reefs, are important ecosystems as they provide many ecological services and ensure livelihood of people. The increase in carbon dioxide and global temperatures change in precipitation patterns, and acidification of oceans can adversely affect these ecosystems. It is expected that increase in temperature in lakes, reservoirs and coastal seas will affect flora, fauna and fisheries.

Ankit Singh

PhD Scholar, Science, Technology and International Relations Programme

The Pakistan and IMF talks: What lies ahead?

The Hindu, 18 July 2022

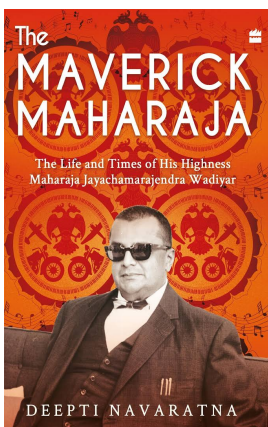
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is IMF important for Pakistan's economy?

[PTI's return in Punjab: Three takeaways and three implications](#)

Pakistan Reader, 19 July 2022

Pakistan is not yet done with Imran Khan and the urge for change



[Deepti Navaratna](#)

TV Raman Pai Chair Professor

[The Maverick Maharaja - The Life and Times of Maharaja Jayachamarajendra Wadiyar](#)

Harper Collins India, June 2022

Can someone find the divine in a Carnatic Kriti and a Western Symphony at once? Can one revere ancient knowledge while being fully aware of its limitations? Can a mind steeped in Advaita Vedanta seek Spinozist counterpoints? Can one's spirit be contemporary and classical at the same time? The Maharaja of Mysore His Highness Jayachamarajendra Wadiyar's life beautifully negotiated such paradoxes and impossibilities. Philosophy, wildlife conservation, philately, photography, music, statesmanship — all converged in his consciousness like perfectly-fitting pieces of a giant jigsaw puzzle.



[Chetan Choithani](#)

Assistant Professor, Inequality and Human Development Programme

(Co-authored with Srinivas Goli)

[Don't get old before getting rich](#)

Financial Express, 23 July 2022

Recent projections have revived population control talk. Policy must steer clear of this



[CP Rajendran](#)

Adjunct Faculty, School of Natural Sciences and Engineering

[Mind the warning signs on the carrying capacity of the Himalayan terrain](#)

The Wire, 24 July 2022

On the increased footfall because of the pilgrim tourism in the Himalaya and its impact on the environment.

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Project Associate, NIAS Pakistan Reader, School of Conflict & Security Studies

[Supreme Court verdict on the no-trust motion against Imran Khan](#)

Pakistan Reader, 22 July 2022

The Supreme Court's verdict on Qasim Khan Suri's ruling on the no-trust move highlights the cracks in Pakistan's parliament.



[Padmashree Anandhan](#)

Project Associate, NIAS Europe Studies, School of Conflict & Security Studies

[France: Uber files leak, and Macron's trouble](#)

NIAS Europe Studies, 24 July 2022

The Uber files leak exposes the exploitation of France's taxi industry, digital loopholes and the extent of political lobbying.



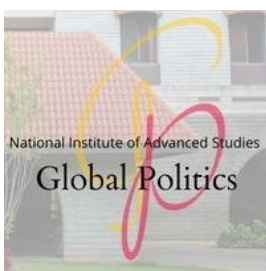
[Emmanuel Selva Royan](#)

Research Assistant, NIAS Europe Studies, School of Conflict & Security Studies

[Italy: Three factors about its current political instability](#)

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The Prime minister's resignation reveals the complex nature of Italy's system political.



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NIAS Weekly Brief

18 July 2022, Monday



Gufran Beig

AM Chair Professor, Energy, Environment, and Climate Change Programme

(Co-authored with Shivkumar M, Dhanya G, Ganesh KE, Pranisha TS, Sudhindra KR, and Dilip Chate)

Temporal variability of PM_{2.5} and its possible sources at the tropical megacity, Bengaluru, India

Environmental Monitoring and Assessment, Vol. 194, June 2022

The status of most toxic criteria pollutant PM_{2.5} at a tropical megacity, Bengaluru, India. The PM_{2.5} showed large fluctuations on day to day basis with values less than the National Ambient Air Quality Standard. The health risk assessment in this study, points to ischemic heart disease as the primary cause of PM_{2.5}-induced death.

Rudrodip Majumdar

Assistant Professor, Energy, Environment, and Climate Change Programme

(Co-authored with Hitesh Khurana and Sandip K Saha)

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[discharging and stand-alone discharging operations in vertical cylindrical sensible heat storage tank](#)

Journal of Energy Storage, Vol. 54, 12 July 2022

This study explores simultaneous charging and discharging (SCAD) operation, where discharging has been performed using an immersed coil heat exchanger. The outcome of this study is heat dispatch controllability as per the demand of load end.



[Dr Udayakumar & Dr Diya Mukherjee](#)

Post Doctoral Associate & Research Associate, Heritage, Science and Society Programme

[Revisiting The Role Of Vishwakarmas In Indian Metallurgy \(Lost-Wax Technique\): Case Studies From Tamil Nadu And Kerala](#)

Indica Today, 04 July 2022



[Abigail Miriam Fernandez](#)

Project Associate, Conflict Resolution and Peace Research Programme

[The ongoing dialogue between Pakistan and the TTP](#)

The Hindu, 10 July 2022

Why is the TTP adamant on the reversal of the merger between FATA and the Khyber Pakhtunkhwa province? Is a peace agreement possible?

[The Energy Crisis and Pakistan's Textile Industry](#)

Pakistan Reader, 13 July 2022

The energy shortage has hit Pakistan's vital textile industry proving that the sector has not attained sustainably



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Science, Technology and International Relations Programme

[Biden's Middle East visit, and Elon Musk's backtracking on the Twitter Deal](#)

The World This Week #174, 17 July 2022, Vol.4, No.23



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11 July 2022, Monday



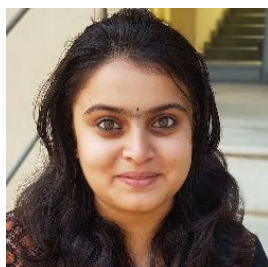
Shailesh Nayak

Director, National Institute of Advanced Studies

(Co-authored with Venkatraman S Hegde, Girish K Huchchannavar, P A Krishnaprasad, A S Rajawat, G Shalini, S Jayakumar, Kanchanagouri D Gosavi, And Lavanya G Hegde)

Meso-scale foreshore evolution in low-energy, storm-dominated tropical west coast of India: Implications for shoreline management

The Journal of Earth System Science, Vol. 131, 2022



Harini Madhusudan

Doctoral Scholar, Science, Technology, and International Relations Programme

The Need for Space Sustainability

The Hindu, 05 July 2022

How does orbital crowding, space debris work against the sustainability of outer space? What is the U.K.'s Astro Carta model?

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Adjunct Faculty, Schools of Natural Sciences & Engineering

[A hyperbola based analysis of wave interference](#)

In: C Mazzali, T Poon, R Averitt, and R Kaindl (Eds). *Frontiers in Optics + Laser Science 2021: Technical Digest Series* (Optica Publishing Group, 2021)

All the salient concepts and ideas, advantages and predictions, along with a tentative list of potential applications of the hyperbola based analysis of wave interference are neatly summarized.

[The Principle of Mathematical Induction: Applications in Physical Optics](#)

In: Lucas Jodar (Ed). *Journal of Applied Mathematics, Hindawi, 05 July 2022*

Induction, generally considered a tool belonging to the realm of pure mathematics, is used to prove some important results in Physical Optics.



Abigail Miriam Fernandez

Project Associate, Conflict Resolution and Peace Research and Science,

[Pakistan- US: Three factors contributing to a reset](#)

Pakistan Reader, 08 July 2022

The relations between Pakistan and US are likely to remain largely security-centric despite the reset



Africa Weekly

Science, Technology and International Relations Programme

[Africa celebrates first Kiswahili Day](#)

Africa Weekly, 7 July 2022, Vol. 1, No. 19



The World This Week

Science, Technology and International Relations Programme

[Boris Johnson's resignation in UK, Shinzo Abe assassination in Japan, and the G-20 meeting in Bali](#)

The World This Week #173, 10 July 2022, Vol.4, No.22

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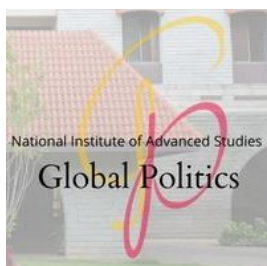
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Ukraine

Conflict Weekly #131, 06 July 2022, Vol.3, No.14



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[European Commission approves Nature Restoration Law: Five takeaways I War in Ukraine: Day 132](#), 06 July 2022

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