

curriculum vitae of  
**Sushant Singh**  
UNIVERSITY OF OKLAHOMA, DEPARTMENT OF ECONOMICS  
ROOM 438 CCD1, 308 CATE CENTER DRIVE, NORMAN, OK 73019

🏠 [sushantsingh.info.np](mailto:sushantsingh.info.np)    ✉ [sushant.singh@ou.edu](mailto:sushant.singh@ou.edu)    ☎ +1 405 404 5390  
in [sushantsinghss](#)    📞 0009-0000-7232-7983    📄 ArXiv eprints

## EDUCATION

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May 2026 (expected)	<b>Ph.D.</b> in Economics (Econometrics and Quantitative Economics) Advisor: Prof. Firat Demir	UNIVERSITY OF OKLAHOMA, USA
Jan 2018	<b>M.Sc.</b> in Economics (Economic Policy) Advisor: Prof. Jean-Marie Grether	UNIVERSITY OF NEUCHÂTEL, SWITZERLAND
May 2014	<b>B.Com.-Honours</b> (Finance and Investment)	CHRIST UNIVERSITY, INDIA

## EMPLOYMENT

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Aug 2021 – present	<b>Graduate Teaching Assistant</b>	UNIVERSITY OF OKLAHOMA, USA
March 2018 – July 2021	<b>National Consultant</b>	INTERNATIONAL TRADE CENTRE (UN/WTO), SWITZERLAND
Oct 2017 – Jan 2018	<b>Research Assistant</b>	INSTITUTE OF ECONOMIC RESEARCH AT NEUCHÂTEL (IRENE), SWITZERLAND

## RESEARCH INTEREST

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International Economics, Development Economics, Environmental Economics.

## PAPERS

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### JOB MARKET PAPER

#### **Structural adjustments and food sovereignty: The effects of IMF programs and loan conditions on food self-sufficiency.**

In this paper I study the effects of IMF program participation and associated policy conditions, known as ‘conditionalities,’ on food self-sufficiency of IMF members for the period of 1980-2019. In the empirical analysis, I employ a compound instrumental variable approach within a system of three equations, estimated using maximum likelihood. After accounting for confounding economic and climatic factors and addressing selection bias, we find no robust evidence that IMF program participation has any effect on food self-sufficiency. In contrast, program conditions have a significant effect on food self-sufficiency. Based on point estimates, I find that each additional binding IMF condition reduces the food self-sufficiency ratio by 0.003 percentage points. Disaggregating conditions by policy area, the findings suggest that IMF conditionality hinders food self-sufficiency, with policy reforms in trade and exchange systems, financial sectors, monetary policy, and central banking playing a particularly significant role. I document evidence showing that while the IMF promotes agricultural climate-adaptation in principle, its programs inadvertently erode adaptive capacity on the ground. Moreover, despite the positive association between IMF programs and financial access, the accompanying policy reforms undermine these gains.

### WORKING PAPERS

#### **Trade-embodied emissions and pollution haven hypothesis: Accounting for global value chains.**

This paper investigates the empirical link between environmental policy and trade flows by incorporating global value chain in the analysis. To do so, I use  $CO_2$  embodied in domestic final demand as an indicator of the pollution content of imports (PCI), which is corrected for trade in value-added flows. I begin with investigation of North-South patterns, in particular if the PCI is relatively larger in North countries. Then, I

carry out analysis of the determinants of PCI using a gravity-based empirical framework to quantitatively measure the impact of Pollution Haven (PH) and Factor endowment (FE) effects. Using several proxies for policy stringency, I show that PCI is higher for the North countries, which have more stringent regulations. PH effect is found to be larger than what previous studies find, while FE has the opposite effect on PCI of the North. The former dominates the latter, together confirming the pollution haven hypothesis.

### **How international sanctions shape the carbon footprint of global trade.**

This paper investigates the overlooked environmental consequences of international sanctions by empirically examining their impact on trade-embodied carbon emissions. While sanctions are traditionally assessed through their economic or political effects, this study highlights how such measures can inadvertently shift pollution-intensive production and trade flows toward regions with laxer environmental regulations, thereby increasing global emissions. Using comprehensive sanction records for 212 countries from 1950–2022, the analysis employs a gravity-based model, estimated using maximum likelihood, to examine the effect of sanctions on emissions embodied in trade. By integrating sanctions into the broader climate and trade policy discourse, the paper offers novel insights into how foreign policy tools may unintentionally undermine global environmental goals.

## **CONFERENCE AND SEMINAR PRESENTATIONS**

†Session Chair; \*Discussant.

Jan 3, 2026(scheduled)	ASSA - 2026 Annual Meeting <sup>†</sup>	PHILADELPHIA, PENNSYLVANIA
Nov 24, 2025(scheduled)	SEA - 95th Annual Meeting	TAMPA, FLORIDA
Nov 12-15, 2025(scheduled)	NARSC - 72nd Annual Meeting	DENVER, COLORADO
Oct 1, 2025(scheduled)	Applied Micro Brownbag	UNIVERSITY OF OKLAHOMA
Jan 29 & Mar 26, 2025	Applied Micro Brownbag (x2)	UNIVERSITY OF OKLAHOMA
Dec 4, 2024	Applied Micro Brownbag	UNIVERSITY OF OKLAHOMA
Nov 14, 2024	NARSC - 71st Annual Meeting <sup>†</sup>	NEW ORLEANS, LOUISIANA
Oct 25, 2024	MVEA - 61st Annual Meeting*	KANSAS CITY, MISSOURI
May 3, 2024	OU PhD Econ Conference -OPEC	UNIVERSITY OF OKLAHOMA
Feb 28, 2024	Applied Micro Brownbag	UNIVERSITY OF OKLAHOMA
May 10, 2023	OU PhD Econ Conference -OPEC	UNIVERSITY OF OKLAHOMA

## **AWARDS AND GRANTS**

Dec 2024	Graduate Student Senate Conference Grant	UNIVERSITY OF OKLAHOMA
Aug 2024	Dodge Family College of Arts and Sciences Travel Grant	UNIVERSITY OF OKLAHOMA
Oct 2023	Alexander J. Kondonassis Award for research in Development Economics	UNIVERSITY OF OKLAHOMA

## **TEACHING**

### **UNDERGRADUATE LEVEL**

#### **University of Oklahoma, USA**

Summer 2024	ECON 1113 Principles of Macroeconomics
Winter 2023-24	ECON 1123 Principles of Microeconomics
Summer 2023	ECON 1113 Principles of Macroeconomics

#### **Apex College (Pokhara University), Nepal**

June 2019 – July 2021	ECO 101 Introductory Microeconomics, BBA
June 2019 – July 2021	ECO 201 Introductory Macroeconomics, BBA

#### **Islington College (London Metropolitan University), Nepal**

Sep 2018 – Feb 2019	EC5002NI International Business and World Markets, BBA
Sep 2018 – Feb 2019	EC4009NI Corporate Environment, BBA

## SKILLS

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Coding Expertise	R, R Studio, STATA, $\text{\LaTeX}$
Coding Experience	Julia, ArcGIS, Matlab, Python, Git, Mathematica
Languages	Nepali (Native), English (Advanced), Hindi (Advanced), French (Basic)

## PROFESSIONAL MEMBERSHIPS

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2025-present	American Economic Association (AEA)
2025-present	Southern Economic Association (SEA)

## REFERENCES

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### RESEARCH

**Firat Demir**

Professor  
 Department of Economics  
 University of Oklahoma  
 Room 170 CCD1,  
 308 Cate Center Drive, Norman 73019 OK  
 ✉ [fdemir@ou.edu](mailto:fdemir@ou.edu)

**Jayash Paudel**

Assistant Professor  
 Department of Economics  
 University of Oklahoma  
 Room 422 CCD1,  
 308 Cate Center Drive, Norman 73019 OK  
 ✉ [jayash.paudel@ou.edu](mailto:jayash.paudel@ou.edu)

**Pallab Ghosh**

Associate Professor  
 Department of Economics  
 University of Oklahoma  
 Room 323 CCD1,  
 308 Cate Center Drive, Norman 73019 OK  
 ✉ [pallab.ghosh@ou.edu](mailto:pallab.ghosh@ou.edu)

### TEACHING

**Qihong Liu**

Professor  
 Director of Graduate Studies  
 Department of Economics  
 University of Oklahoma  
 Room 436 CCD1,  
 308 Cate Center Drive, Norman 73019 OK  
 ✉ [qliu@ou.edu](mailto:qliu@ou.edu)

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