

Posters and Exhibits, Tuesday (10am-12pm)

Ballrooms, Corbett Center

Poster Number	Name	Abstract Title	Affiliation	Department
1	Yahya Al-Khatatbeh	Mechanical strength and stability of high-pressure ZrO ₂ phases	NMSU	Physics
2	Nabil Al-Aqtash	Covalent functionalization of Boron/ Nitrogen doped Graphene : an ab Initio Study	NMSU	Physics
3	Cat Wu	Halo Gas Velocities Using Multi-Slit Spectroscopy	NMSU	Astronomy
4	Cat Wu	Shifting Focus: Southern India and the Himalayas through the eyes of an astronomer	NMSU	Astronomy
5	Ryan T. Hamilton	Are Short Period CVs Normal?	NMSU	Astronomy
6	Jillian Bornak	Eye of the Beholder	NMSU	Astronomy
7	Jillian Bornak	Dust in the Wind: Grain Formation & Evolution in Classical Novae	NMSU	Astronomy
8	Michael Sussman	Simulation of the Uranian Circulation with the EPIC GCM	NMSU	Astronomy
9	Charles Miller	Analysis of Images from the Apache Point Observatory LCROSS Impact Observation Campaign	NMSU	Astronomy
10	Teresa Ross	Examining the Mg II Absorber-Galaxy Connection at Intermediate Redshifts	NMSU	Astronomy
11	Maria T. Patterson	HII Regions in the Outer Disk and Tidal Arms of M81	NMSU	Astronomy
12	Elizabeth Klimek	Effects of Shielding on Metallicity Estimates in QSO Absorption Line Systems	NMSU	Astronomy
13	Lisa Drake	The role of SLC7-type amino acid transporters in mosquito immunity, reproduction and lifespan	NMSU	Biology
14	Yihua Leng	Detection of post-transcriptional components in muscle-like cells of the electric fish <i>S. macrurus</i> .	NMSU	Biology
15	Betty A. Strietelmeier, A. Craine & G.B. Smith	Survey for Avian Influenza A Virus in the Rio Grande River	NMSU	Biology
16	Phanidhar Kukutla	The Role Of Melanization In Defense Against Plasmodium Yoelii In <i>Anopheles Gambiae</i> Mosquitoes	NMSU	Biology
17	Aaron Bueno-Cabrera	Assessing SINAP's role in protecting critical habitat of endangered charismatic species at Mexico: An ecological niche modeling approach	NMSU	Biology
18	Martha Martinez Grimes	The role of nitrogen status on the genes in sugar metabolism in the leaves and root nodules of alfalfa	NMSU	Molecular Biology
19	Mark Seger	Repercussions of increased leaf sucrose biosynthesis in <i>Medicago Sativa</i>	NMSU	Molecular Biology

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20	William Graves	Video Game Experience and Visual Attentional Abilities	NMSU	Psychology
21	Joshua Sandry	Students Misperceive Their Instructor's Expectations Regarding Appropriate Classroom Behaviors	NMSU	Psychology
22	Garrett L. Strosser, Robert Lawson	Explicit and Implicit Attitudes Toward Atheists and Other Unreligious Concepts	NMSU	Psychology
23	Lisa Busche	Effects of Recent Sexual Relationships on Mate Desirability	NMSU	Psychology
24	Sieun An	Applying signal detection strategies to investigate the differences in making moral attribution across cultures	NMSU	Psychology
25	Jamie Hughes	Implicit Beliefs about Stability and Change: A Construct Validity Study	NMSU	Psychology
26	Matteo Serena	Dormant Seeding and Sodding for Faster Turfgrass Establishment Under Saline and Subsurface Drip Irrigation	NMSU	Plant and Environmental Science
27	Marco Schiavon	Growing Degree Days to Predict Warm Season Turfgrass Establishment from Seed under Saline and Subsurface Drip Irrigation	NMSU	Plant and Environmental sciences
28	Pradip Adhikari	Identification of Soil Properties Based Indicators Using Principal Component Analysis for Desert Soils Irrigated with Treated Wastewater	NMSU	Plant and Environmental sciences
29	Sayed Gebril	Characterization of SPS gene in Pea (<i>Pisum sativum</i>)	NMSU	Plant and Environmental sciences
30	F. Omar Holguin	Integration of experimental studies with mass spectrometric metabolomic techniques to study and model the metabolism changes in GS1 transgenic alfalfa	NMSU	Plant and Environmental Sciences
31	Leah Lankford	Effects of human gonadotropin on serum progesterone concentrations, embryonic survival, and lambing rates in ewes	NMSU	Animal and Range Sciences
32	Piedad Esther Mayagoitia González	Status And Habitat Use of Neotropical Otters In Southern Tamaulipas	NMSU	Fish, Wildlife and Conservation Ecology
33	Mary Jean McCann	Bolson Tortoise (<i>Gopherus flavomarginatus</i>) Headstart in New Mexico	NMSU	Fisheries, Wildlife, and Conservation Ecology

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Poster Number	Name	Abstract Title	Affiliation	Department
34	-	Left Blank	-	-
35	Mohammed Habib Ur Rahman	Mathematical Formulations for Electromagnetic Pulse Propagation in Rocard-Powles-Debye Dispersive Model of Distilled Water	NMSU	Electrical and Computer Engineering
36	Nafish Quraishi	Velocity estimation by UWB noise radar using superresolution technique	NMSU	Electrical and Computer Engineering
37	Michael Abravanel	Rotman lens waveguide implementation in Ku band	NMSU	Electrical and Computer Engineering
38	Zachary Libbin	A Study to Improve Irrigation Management for a Vineyard in Deming, New Mexico	NMSU	Civil Engineering
39	Aldo R. Pinon-Villarreal	Retention And Transport Of Nitrate And Ammonia In Two Media: Clinoptilolite Zeolite And Sandy Loam	NMSU	Civil Engineering
40	Khaled S Hatamleh	Unmanned Aerial Vehicles Dynamics Modeling & Parameter Estimation	NMSU	Mechanical and Aerospace Engineering
41	Qi Lu	Virtually Offloading Body Mass for Rehabilitation: A Simulation Study	NMSU	Mechanical and Aerospace Engineering
42	Prafulla D Patil	Microwave-Assisted Catalytic Transesterification of Camelina Sativa Oil	NMSU	Chemical Engineering
43	Areen Khattabi	Wetting of fatty acid monolayers by organic solvents	NMSU	Chemistry and Biochemistry Department
44	Janeth Sanchez	Gender and Ethnic Differences In Eating-Specific Motivational Tendencies	NMSU	Health and Social Services
45	Cynthia Renteria	Preserving Memory/Promoting Justice: A Collection on U.S.-Mexico Border Activism	NMSU	History