

## RESEARCH AND CREATIVE ACTIVITIES

### 1. Funded Grants

Total-Patil \$ **1,924,832**

Total grants including collaborators-\$ **3,982,294**

<b>Title/collaborators</b>	<b>Sponsor/Award #</b>	<b>Total Amount (Patil \$)</b>	<b>Period</b>
Exploring Biological Activities of Citrus Limonoids: A Multidisciplinary Approach <b>Project Director and PI: B. Patil</b> PI's: J. Brodbelt and E. Miller Co-Investigators: J. Lupton, N. Turner, H. Ahmad, S. Taylor, I. Goldman, J. Fahey, R. T. Mayer, S. Simons, and Q. Tian	USDA-IFAFS # 2001-4533 <b>PROPOSAL WAS RATED SECOND IN THE NATION IN FUNCTIONAL FOOD GROUP</b>	\$1,075,165 (698,249)	01/01-12/05
Exploring the Potential Risk Reduction of Texas Rio Red Grapefruit with Drug Interaction B. Patil, J. Brodbelt and Ananthkrishan S,	Texas Citrus Producers Board	\$ 20, 277	09/02-08/04
Collaborative Initiative to Attract Hispanic Students to Agricultural and Food Science Careers <b>PI: B. Patil</b> ; Co-PI: W. Fowler, R. Carlson; Collaborators: D. Byrne, M. Pina, R. Valdez, P. Garza, E. Peffley, and E. Reys. D. Cantu, E. Fries.	USDA-HSI #2001-38422-10944 <b>PROPOSAL WAS RATED FIRST IN THE NATION</b>	\$ 299,730 (205,757)	01/01-12/04
Developing Foods for Health, Texas PI: L.M. Pike, Co-PIs: Patil and others	USDA-CSREES-Special grant # 2001-34402-10543 Renewal	\$ 1,170,876 (75,820)	9/01-9/03
Characterization and Gene Expression Studies of Citrus Phytochemicals and their Role in Human Health J. da Graca, B. Patil and E. Louzada	USDA-Hatch # H 08802	\$ 111,028	01/01-01/06

## Curriculum Vitae

Biological Activities of Citrus Flavonoids J. Brodbelt, B. Patil, N. Turner, H. Ahmad, and E. Miller	Advanced Technology Program # 003658-0359-2001	\$ 249,370 ( 49, 926)	1/02-12/03
Food For Health, Texas PI: L.M. Pike, Co-PIs: Patil and others	USDA-CREES-Special grant # 2000-34402-9589	\$ 298,190 (26,227)	7/00-8/01
Phytochemicals in Fruits and Vegetables to Improve Human Health Project Director: B. Patil Collaborators: 16	USDA-Higher Education Challenge Grants # 98-38411-6619	\$ 79, 945	1/99-12/02
Effect of Growth Regulators on Postharvest Storage of Grapefruit	Texas Citrus Producers Board # 461543 (B. Patil)	\$ 11,755	07/00-8/01
Optimization of Cancer Chemopreventive Compounds in Grapefruit B.Patil and L.M. Pike	Texas Citrus Producers Board Texas Citrus Exchange Texas A&M University # 461536	\$ 36,430	9/1/99- 8/31/2000
Optimization of Grapefruit Nutraceuticals (B. Patil)	Coastal Bend Health Education Center Program # 441355	\$ 9,000	09/00-08/01
Designing Foods for Health PI: L.M. Pike; Co-PI's: B.Patil, K.S. Yoo and J. Giovannoni	USDA-CREES-special grant # 1999-34402-7589	\$ 233,900	6/1/99- 6/31/00
Potassium and Auxin Applications to Improve Citrus Fruit Size and Increase Competitiveness of Texas and Israeli Citrus Export Markets (B.Patil and Y.Erner)	Texas Israeli Exchange Program # 412071	\$27,778	04/98-08/00
Research and teaching training of citrus phytochemicals...(B. Patil)	Food and Agriculture Organization # 461513	\$ 4,600	9/00/-12/00
Potassium Effect on Carotenoids	Foundation of Agronomy	\$ 5,000	8/00-9/02

## Curriculum Vitae

and Vitamin C (B. Patil).	# 461540		
Effect of Growth Regulators on Fruit Quality (B. Patil).	Valent Bioscience MOA 20-04 # 461501	\$ 8,000	08/00-09/02
Enhancement of Cancer Chemopreventive Compounds in Citrus through Climate and Rootstocks, (Patil and Pike)	Texas Citrus Producers Board, TAMU and TAMUK # 461528 and 461525)	\$ 96,796	09/97-08/99
Evaluation of Sheepnosing in Grapefruit (B. Patil )	Texas Citrus Producers Board # 461529 and 461523	\$ 8,500	09/97-08/99
Effect of Nitrogen on Citrus Phytochemicals (Patil and Alva)	University of Florida MOA 99-02 # 461501	\$ 4,000	11/98-10/99
Research Update on Citrus Phytochemicals; B.Patil, L.Pike, E. Miller and G. Peltz	Texas Citrus Producers Board # 461531	\$ 1,000	09/98-08/99
Evaluating the Potential of High Temperature Forced Air as Postharvest Quarantine Treatment for Citrus M. Arpaia and B. Patil	California Citrus Research Board CRB #5600-051	74,250	3/96-10/97
Evaluation of High-Pressure Packinghouse Washer M. Arpaia and B. Patil	California Citrus Research Board CRB #5600-101	76,993	3/96-10-97
A Marketing System for Sustaining Productivity and Developing Markets for Walla Walla Sweet Onions Bill Dean and B. Patil	International Marketing Program for Agril. Commodities (IMPACT) # 3606	87,878	6/94-2/96
	<b>Total Grants (Patil)</b>	<b>\$ 1,945,109</b>	
	<b>Total grants including collaborators</b>	<b>\$ 3,982,294</b>	