

## RESUME

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### **SUMMARY OF EXPERIENCE AND BACKGROUND OF THE CANDIDATE**

Dr. Govin is an international consultant with several years of experience in technical assistance to developing countries. His areas of technical expertise include **Agro-processing, Food Processing, Food Safety (H A C C P, GMPs, SSOPs), Organic Food Processing, Sustainable Agricultural Development, Agricultural Waste Utilization, appropriate technology** development in the agriculture sector, **SMEs** development in the agriculture sector, and Agro-Food Processing problems in general in developing countries. He has conducted several training sessions and what may be called “entrepreneur-promotional workshops”, involving women and vulnerable groups, as a means of promoting **SMEs** in the rural/agricultural sector. He is also a **Nutritionist** and taught Nutrition at local colleges.

**Being acutely concerned about food security issues in developing countries; Dr. Govin believes that growing more food as a means of solving "world hunger" might solve only half of the problem, if what is grown is not properly preserved by a technology that is *appropriate* to the region. To this effect, he is a staunch promoter of *appropriate technology*, and emphasizes on preserving what is already grown, before growing more!**

Being originally from a developing country, himself, and having obtained his advanced training in the United States, he has a thorough grasp of problems and potentials in developing countries, and knowledge to tackle them. Also, with a combination of academic training in Agriculture, Food Science, and Nutrition, coupled with several years of field experience in least developed countries, he has a desirable background and advantage in handling development projects in developing countries.

Dr. Govin has worked in Africa, Asia, Central Asia, Latin America, the Balkans, and the Middle east. He has worked for such organizations as United Nations, Development Banks, Small Industries Development Organizations, and other unilateral and multilateral aid organizations. Assigned to host countries as Team Leader/Advisor/Expert-Consultant, he was involved in organizational development, institutional strengthening, counterpart training, and problem solving in the areas of his expertise. He is thus familiar with the technicalities of project management, monitoring and evaluation, reporting, and other associated activities.

During all his assignments he was involved in needs assessment, and such assessments invariably resulted in proposals to host governments for a plan of action, with many proposals having policy implications at the national level.

Dr. Govin is a male, married, and a citizen of the United States of America.

### **ACADEMIC QUALIFICATIONS**

Ph.D. Food Science, Rutgers University, New Brunswick, NJ

## **FOOD SAFETY ( H A C C P ) - Certified**

M.S. Food Science, University of California, Davis, CA

B.Sc. Tropical Agriculture, Maratwada University, India

## **LANGUAGE CAPABILITY**

English: excellent; Spanish: fair; Hindi: excellent; Urdu: excellent.

## **COUNTRIES OF WORK EXPERIENCE**

AFRICA (Zambia, Zimbabwe, Swaziland, Lesotho, Uganda, Guinea, Nigeria, Malawi, South Africa, Egypt)

ASIA (India, Bangladesh, Nepal, Indonesia, Sri Lanka)

LATIN AMERICA AND THE CARRIBEAN (Nicaragua, Honduras, El Salvador, Colombia, Bolivia, Jamaica, Brazil)

MIDDLEEAST (Iran, Egypt)

NORTH AMERICA (USA)

RUSSIA, ARMENIA, BULGARIA, KYRGYZSTAN, TURKMENISTAN, UZBEKISTAN, KOSOVO.

## **WORK EXPERIENCE (REVERSE CHRONOLOGICAL ORDER)**

**Private Consultant:** 1995 — present

**INTERCOOPERATION (Switzerland): Assignment in Kosovo:** Processing industry and its potential future in horticulture sector in Kosovo (March 14 – 26, 2009).

**WINROCK INTERNATIONAL:** Assistance to INTERVIDA organization, El Salvador: Provided training in **Tropical fruit processing** and **Quail Egg Processing** (8/12-8/26/07)

**ADE s.a., Louvain-la-Neuve, Belgium.** Technical assistance to EC Funded Project in Bangladesh: **Study to explore The Potential of High Added Value Markets.** (6/9 – 7/5/07).

**Financial Markets International, Bethesda, Md.** Technical assistance to USAID Funded project: DR-CAFTA, Nicaragua, in **Food Safety** and **Traceability.** (5/12 – 5/25/07).

**WINROCK INTERNATIONAL:** Assistance to INTERVIDA organization, El Salvador: Provided training in **Tropical Fruit Processing.** (Feb.13-27, 2007)

**WINROCK INTERNATIONAL: Assignment(s) in India:** Assistance to Institute of Himalayan Environmental Research and Education (INHERE) in **Organic Food Processing.** Also gave a presentation at the India Organic 2006 Conference and Trade Show on Organic Food Processing & HACCP. (October 25 – November 12, 2006)

**LAND O' LAKES: Assignment in Malawi:** Assisted two Dairies in their manufacturing operations and **Food Safety** issues. (August 20- Sept. 3, 2006)

**Fair Packers (Pty) Ltd., Cape Town, South Africa.** – Provided **H A C C P training** to a Tea processing Company, involved in processing Rooibos Tea (native to South Africa). (May – June, 2006.)

**WINROCK INTERNATIONAL** – Assistance to INTERVIDA organization in El Salvador:

Trained 12 members of a Farmers' organization in **Processing of Tropical Fruits**. (March 19 – April 1, 2006).

**Bearing Point / USAID- Assignment in Uzbekistan: “Assessing Uzbek Agro-Food Industry’s Readiness for the Country’s Accession to WTO.”**(Nov.26-Dec.10, 2005)

**WINROCK INTERNATIONAL- Assignment in Turkmenistan:** Technical assistance to a **Fruit Juice Processing Industry**. (Nov.12 – 26, 2005)

**WINROCK INTERNATIONAL- Assignment in Sri Lanka:** Technical assistance to **Spice Industry** in improving quality of spices. (Sept 16 – October 23, 2005)

**ACDI/ VOCA – Assignment in Kyrgyzstan:** Provided technical assistance to a **Fruit and Vegetable Processor, particularly Pickles and Tomato Paste**. (July 22 – August 14, 2005).

**ACDI/VOCA – Assignment in Bulgaria:** Provided **Food Safety Training (HACCP)** to personnel in Food Service Operations. (May, 28 – June 18, 2005)

**WINROCK INTERNATIONAL – Assignment in Honduras:** Assisted a **Dairy Farmers ‘Cooperative** in improving their quality of milk. (April – May, 2005)

**WINROCK INTERNATIONAL – Assignment in Honduras:** A two week assignment in Honduras, offering technical assistance to a **Chili pepper processor**. Assisted the processor in improving his productivity, developing quality control procedures, and in establishing **Good Manufacturing Practices (GMPs)**. January, 2005.

**WINROCK INTERNATIONAL – Assignment(s) in India:** Assisted the Institute of Himalayan Environmental Research and Education (INHERE) and Uttaranchal Organic Commodities Board (UOCB) in Organic Food Processing Training. Conducted workshops in **Organic Food Processing** (Food Processing without any Artificially Added Chemical Preservatives), **GMPs**, and **H A C C P**. (Sept. 1, 04 – Sept. 29, 04).

**ALVAN BLANCH DEVELOPMENT CO. Malmesbury. UK. -Assignment in Nigeria.** Provided technical assistance in the commissioning of two **fruit juice processing plants**. (August 5 – August 27, 2004)

**WINROCK INTERNATIONAL- Assignment in Guinea (West Africa):** Two-week assignment assisting mango farmers in western Guinea (Kan Kan region) **adding value to mango**, as a means of utilizing their surplus. Studies the surplus-problem of mangoes in general and made recommendations. (June 10 – June 24, 2004)

**ACDI/VOCA – Assignment in Bolivia:** in the Yungas region, assisting a Farmers Cooperative (Central Nueva Collasuyo) in **post harvest handling of their citrus fruits**. Provided training to the cooperative in processing of citrus products. (May 12 – May 30, 2004)

**LAND O’ LAKES –** Assisted in developing a **Food Fortification Competency Module – an e-Learning Project** for use in developing countries. (March – April, 2004)

**ACDI/VOCA – Assignment in Brazil:** in the northeast region of Brazil, assisting a small agricultural cooperative (COTRAFUS) in **processing of cassava**. More precisely, training the members of the cooperative in producing Starch and Flour at the village level, using appropriate technology. Also trained them in new applications for *cassava*, as a means of increasing sales. (November – December 2003).

**ACDI/VOCA – Assignment in Armenia:** assisting a **fruit and vegetable juice processor**

(EUROTERM CJSC) in producing carrot juice and carrot juice/fruit juice blends. (October-November, 2003)

**LAND O' LAKES – Assignment in Jamaica:** assisting six food processing companies in meeting **H A C C P, GMPs, and SSOPs** standards. Basically, conducted a “gap audit” in preparation for the real FDA audit in the near future, and assisting them in making up any deficiencies. Also assisted them in meeting Quality Control and Food Safety standards. (June – August, 2003)

**CNFA – Assignment in Zimbabwe:** assisting a small agro-processors' Association in improving their **fruit drying operations and other fruit and vegetable** processing operations. Provided training in the manufacture of tomato sauce/paste, and vegetable pickling. Also provided training in **Food Safety** procedures. Feb. - March, 2003.

**ACDI/VOCA – Assignment in Bolivia:** assisting a company (AGRONAT LTDA) involved in producing food and cosmetic products from locally produced agricultural raw materials, in upgrading their operations to meet international standards for export. Also trained them in a **HACCP program development and implementation**. ((October – November, 2002)

**ACDI/VOCA – Assignment in Russia:** assisting a company (DOLINA) involved in producing **fruit flavorings for the dairy industry**. Solved their quality-related problems associated with the use of their thickening agents. Introduced new flavorings such as hard candy and jelly candy to the company, which they were not familiar with before. (March – April. 2002)

**ACDI/VOCA – Assignment in Uganda:** attached to the IITA (International Institute of Tropical Agriculture). **Studied the problems of farmers with cassava, plantains, oilseed crops, and cereals**. The handling practices of these raw materials are primitive, affecting quality and marketing of the processed products. **Recommended a program that would greatly improve quality of the agricultural products** and facilitate improved (profitable) marketing. (July-August, 2001)

**Cedars Mediterranean Foods, Haverhill, MA. And Bay State Chowda Company, Lowell, MA.** – Consulted on Quality Control, **Food Safety (HACCP), GMPs, SSOPs**. (1997-2001)

**US Peace Corps:** Agricultural Training Coordinator, **Lesotho, Southern Africa**. Trained Peace Corps Volunteers. (1995)

**PT SMART CORPORATION, Jakarta, Indonesia:** Assisted the largest Banana Growing Company in Indonesia in utilizing their surplus bananas, “Rejects”, and other field wastes. (1995)

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**Mancini Packing Company, Zolfo Springs, FL.** Director, Technical & QA. Total responsibility for all technical functions of the company, including R&D, & QA. 1990-94.

**GTZ (German Agency for International Development):** Consultancy to the Ministry of Agriculture, Govt. of Colombia, Bogota, Colombia. 1990

**United Nations (FAO):** Consultancy on post-harvest handling of fruits and vegetables to Govt. of Nepal. 1989

**United Nations (FAO):** Consultancy on post-harvest handling of fruits and vegetables to Govt. of Zimbabwe. 1989

**Tropical Foods International**, Fort Myers, FL. Director, Technical & Managing. 1986-89

**United Nations (ILO):** Consultancy to Govt. of Bangladesh. 1984-86

**United Nations (UNIDO):** Consultancy to Govt. of Zambia. 1984

**Tropical Agricultural Resources Utilization Services**, Lehigh Acres, FL. Director, Technical and Managing. 1979- 84

**Central Bank of Nicaragua**, Managua, Nicaragua. Advisor to the Technology Division of the Bank in Food Processing. 1976 -79

**Jundi Shapur University, Ahwaz, Iran.** Advisor in establishing a Dept. of Food Science. Taught courses in Food Science. 1973 - 76

#### **DETAILS OF WORK EXPERIENCE (Long-term Assignments)**

**Colombia:** Assisted the Ministry of Agriculture, Govt. of Colombia, in improving the quality of agricultural products. In proposing a National system for Promotion and Surveillance of Quality of Agricultural Products, an in depth study on handling practices of agricultural products at various points in the marketing chain was made: pre-harvest, harvest, post-harvest (on-the-farm), post-harvest (off-the-farm). Based on the findings, a proposal was made for a fundamental approach for a sustained quality assurance of agricultural products. Worked with Growers' Organizations, National Standards Organization, and Consumers' Welfare Organization in institutional strengthening matters.

**Nepal:** Assisted the Govt. of Nepal in solving problems of farmers in remote, inaccessible, mountain areas in postharvest handling of fruits and vegetables. Recommendations were made on *appropriate technologies* for processing of agricultural produce. Apprised the Government on the need for strengthening the existing National Food Research Organization.

**Zimbabwe:** Assisted the Government of Zimbabwe in solving problems of small farmers in their postharvest handling of fruits and vegetables. Made recommendations on *appropriate technologies* for processing of agricultural produce at the farm level.

**Bangladesh:** Assisted the Bangladesh Small and Cottage Industries Corporation (BSCIC) in their efforts to promote rural food industries. Provided technical assistance to the clients of the corporation. Directed a major project on developing *appropriate technologies* for processing locally available tropical agricultural raw materials. Conducted entrepreneur-promotional workshops, based on the technologies, for developing rural food processing units. The workshops were particularly directed at women and vulnerable groups. Developed Food Technology Extension Bulletins for use by the Extension staff of the corporation. Studied the problems of potato growers (surplus produce) and the Cold Storage Owners (in-efficient utilization of capacity) and submitted proposals for solution.

**Zambia:** Assigned to Village Industry Service Organization (VIS), Lusaka, Zambia conducted a **training of trainer's** workshop on simple food preservation technologies for the Extension staff of the organization. This involved formal, non-formal, and in-field training. Surveyed the Greater Lusaka area for food industries development potential and submitted a proposal to the government. Generally assisted in institutional strengthening. Worked with local Women's groups (YWCA) in organizing workshops on simple food preservation methods.

**Nicaragua:** On a short-term assignment with UNDP, assisted the country's banana growers' association — Empresa Bananeros Nicaraguense de Occidente (EMBANOC) in their problem in

dealing with banana wastes (the substandard fruit that is unfit for export). Based on the work, developed a **Banana Waste Utilization Program** that is currently being promoted in all banana growing regions of the world.

**Nicaragua:** As a long-term Advisor to the Govt. of Nicaragua, directed a major program on developing *appropriate technologies* for locally grown tropical agricultural raw materials, particularly tropical food staples, such as *cassava* and the various root crops, plantains, and other starchy vegetables. Served as a consultant to the local food industry, on behalf of the government. Upgraded several small industries, and improved quality of products to meet export standards. Conducted entrepreneur-promotional workshops, based on the developed appropriate technologies. (Note: Developed virtually over fifty new food product prototypes, based on *appropriate technology*, utilizing locally grown tropical agricultural raw materials.

**Iran:** As a long-term Advisor to Govt. of Iran, assigned to Jundi Shapur University, Ahwaz assisted in establishing a department of Food Science. Developed curriculum, taught courses in Food Science, and generally served as Extension Food Technologist. Surveyed the southern region of Iran (Khuzestan) for agroindustrial development potential, and submitted a report to the government.

**India:** As an Agricultural Extension Officer, Dept. of Agriculture, I was responsible for a regional Development block. Assisted the farmers in the region on all aspects of farming: improved seeds, cultural practices, irrigation methods, pest control practices, post-harvest care in handling of produce. Traveled extensively in rural areas of India .Was also responsible for a Demonstration Farm.

## **PUBLICATIONS/ PAPERS/ REPORTS**

Processing of Certain Fruits and Vegetables Popular in Iran: J. Scientific Agriculture, Vol.1. 1975

A Program for Increasing Food Production and for Developing Agro-food Industries in the Khuzestan (Iran) Area: Bulletin prepared for the Govt., of Iran. 1975

Food Packaging Problems in Nicaragua: Paper presented at Packaging Symposium, The Central Bank of Nicaragua. 1976

Quality Assurance: Paper presented at the Quality Control Symposium, The Central Bank of Nicaragua, 1977

Developing Agro-food Industry Development Potential in Nicaragua, Through New Food Product Development: Bulletin prepared for The Central Bank of Nicaragua, Managua, Nicaragua. 1978

Utilization of Malanga (*taro*) - *colocasia esculenta*: Bulletin prepared for The Central Bank of Nicaragua. 1978

A Proposal for Expansion of Agro-food Industries in Nicaragua through Utilization of Natural Resources (with a motive to generate/save foreign exchange): A draft proposal submitted to the Govt. of Nicaragua. 1981

Utilization of Banana Wastes: UNDP Special Services Project: NIC/81/003 — Nicaragua. 1981  
Technical Assistance to Food Industries, and For Agro-food Industrial Development and

Training: A draft project proposal submitted to the Govt. of Zambia. 1984

Training of Village Industry Service- Mobile Training Unit (VIS-MTU) Instructors: UNIDO Project — DP/ZAM/82/019 — Final Report. 1984

Assistance to Bangladesh Small and Cottage Industries Corporation (BSCIC): ILO/UNDP Project — BGD/79/007 — Final report. 1986

Profitable Utilization of Seafood Cold Storages in the Chittagong (Bangladesh) Area through Product Diversification: A draft project proposal submitted to the Government of Bangladesh. 1986

Extension Bulletins (Food Technology): Prepared for Bangladesh Small and Cottage Industries Corporation, in connection with ILO/UNDP Project — BGD/79/007. 198

Some Inputs to the Solution of the "Potato Problem" in Bangladesh: Submitted to the Govt. of Bangladesh. 1986

Promotion of Employment through Labor-intensive Industries Development (PRELAID): A draft proposal submitted to the Ministry of Labor, Govt. of Zambia. 1984

Development of Quality Assurance Procedures for the Dairy Produce Board (DPB) and the Zambia Pork Products (ZAPP): A draft proposal submitted to the Govt. of Zambia. 1984

Strengthening of Agricultural Extension Management Training: ZIM/85/009 — FAO consultancy to Govt. of Zimbabwe. 1989

Small-scale Processing of Fruits and Vegetables: FAO Consultancy to Govt. of Nepal. 1989

Developing a National System for Promotion and Surveillance of Quality of Agricultural Products: GTZ (German Agency for International Development) consultancy to Govt. of Colombia.

Quality Assurance Manual: Prepared for the Mancini Packing Company, Zolfo Springs, Florida. 1994

A Preliminary Study for a Banana Waste Utilization Project: PT. SMART CORP., Jakarta, Indonesia. 1995