

95.3 FM First Quarter Report, 2022

FIRST QUARTER PROGRAMMING REPORT – WJPA 95.3 FM / 1450 AM January – March, 2022 LOCAL NEWS SCHEDULING: Monday - Friday

Program	Day	Duration	Time	Subject(s)
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	5:00am – 5:05am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	5:30am – 5:33am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	10 MINUTES	6:00am – 6:10am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	6:30am – 6:33am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	10 MINUTES	7:00am – 7:10am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	7:30am – 7:33am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	10 MINUTES	8:00am – 8:10am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	8:30am – 8:33am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	9:00am – 8:05am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	10:00am – 10:05am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	11:00am – 11:05am	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	10 MINUTES	12:00pm – 11:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	1:00pm – 1:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	2:00pm – 2:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	3:00pm – 3:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	4:00pm – 4:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	4:30pm – 4:33pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS

LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	10 MINUTES	5:00pm – 5:10pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	5:30pm – 5:33pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	MONDAY THROUGH FRIDAY	5 MINUTES	6:00pm – 6:05pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS
LOCAL NEWS/SPORTS/WEATHER HEADLINES	MONDAY THROUGH FRIDAY	3 MINUTES	7:00pm – 7:03pm	LOCAL/NATIONAL NEWS/WEATHER/ SPORTS

FIRST QUARTER PROGRAMMING REPORT – WJPA 95.3 FM / 1450 AM January – March, 2022 LOCAL NEWS SCHEDULING: Saturday

Program	Day	Duration	Time	Subject(s)
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	10 MINUTES	6:00am – 6:10am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER HEADLINES	SATURDAY	3 MINUTES	6:30am – 6:33am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	10 MINUTES	7:00am – 7:10am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER HEADLINES	SATURDAY	3 MINUTES	7:30am – 7:33am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	10 MINUTES	8:00am – 8:10am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER HEADLINES	SATURDAY	3 MINUTES	8:30am – 8:33am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	5 MINUTES	9:00am – 9:05am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	5 MINUTES	10:00am- 10:05am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	5 MINUTES	11:00am – 11:05am	LOCAL/NATIONAL NEWS/WEATHER/SPORTS
WJPA LOCAL NEWS/SPORTS/WEATHER FULL NEWSCAST	SATURDAY	10 MINUTES	12:00pm – 12:10pm	LOCAL/NATIONAL NEWS/WEATHER/SPORTS

AIRED PUBLIC SERVICE ANNOUNCEMENTS

WJPA AM / WJPA FM First Quarter Report, 2022 | January - March

LOCAL PUBLIC SERVICE ANNOUNCEMENTS	NATIONAL PUBLIC SERVICE ANNOUNCEMENTS
Health Equity Tour (YMCA, Pennie Health Care)	Read Across America
Domestic Violence Services of SW-PA	Heal Veterans
Teen Dating Violence/Domestic Services of SW-PA	"I am a provider"
Blueprints Free Tax Prep	Childhood Cancer
Mon-Valley Model Railroad	Auto Theft
Cancer Benefit for Jamie Kearns	COVID Shots: Get the Truth
PA Italian Greyhound Rescue	Parkinson's
Marianna Outdoorsman Assoc.	Braille Institute

AIRED RELIGIOUS PROGAMMING WJPA 95.3 / 1450 AM

FIRST QUARTER REPORT: January - March, 2022

Program	Date/Time	Duration	Information
Mt. Olive Baptist Church	Sunday January - March 8 am	60 minutes	Local Church Service, broadcast for community benefit.
Legacy Church	Sunday January - March 8 am	30 minutes	Local Church Service, broadcast for community benefit.
"Homecoming"	Sunday January - March 8 am	60 minutes	Pre-Recorded National Religious Service Program.
Immaculate Conception Church	Sunday January - March 8 am	60 minutes	Local Church Service, broadcast for community benefit.
Church of the Covenant	Sunday January - March 8 am	30 minutes	Local Church Service, broadcast for community benefit.

PUBLIC SERVICE REPORT | "InfoTrak" Program First Quarter, 2022 | WJPA 95.3FM /1450 AM January - March

Issues:	Program:	Date/Tim e:	Duratio n:	Guests & Narratives:
Youth at Risk Juvenile Crime	Infotrak Public Affairs Program	Sunday 1/2/2022 8 am	30 minutes	Ashley Kendall, PhD. Dr. Kendall led a study that examined ways to prevent juvenile delinquents from returning to the criminal justice system. She found that clinically aggressive juvenile offenders on probation, who participated in a two-week intervention program designed to reduce risky behavior, were four times less likely to be incarcerated in the following 12 months. She also discussed the variety of costs incurred by communities as a result of youth crime.
Physical Fitness Personal Health	Infotrak Public Affairs Program	Sunday 1/2/2022 8 am	30 minutes	Martin Gibala, PhD. Dr. Gibala discussed the value of high intensity workouts. He led a study that found that bursts of short but very intense exercise appear to be just as beneficial as traditional endurance training. He led a study that found that bursts of short but very intense exercise appear to be just as beneficial as traditional endurance training. He explained why this type of exercise works, and how it can be a good occasional substitute for a conventional workout.
Career Mental Health	Infotrak Public Affairs Program	Sunday 1/2/2022 8 am	30 minutes	Daniel McGuinn. Of the 2,000 hours we work every year, our success or failure is often determined in the couple of dozen crucial hours when we need to bring our absolute best in a meeting or presentation. Mr.McGuinn discussed the importance of mental preparation in the last few minutes before a major challenge, and offered tips on how to channel nervous jitters into useful emotions.
Women's Issues Gender Equality Career	Infotrak Public Affairs Program	Sunday 1/9/2022 8 am	30 minutes	Alessandra Cassar, PhD. As researchers investigate reasons for America's persistent gender wage gap, one possible explanation that has emerged over the last decade or so is that women may be less competitive than men.
Personal Finance	Infotrak Public Affairs Program	Sunday 1/9/2022 8 am	30 minutes	Joe Saul-Sehy. Mr. Saul-Sehy explained that many Americans feel too much pressure to be perfect and as a result make unnecessary errors in handling their money. He talked about the urgency of getting out of debt, and the best ways to accomplish it. He also explained the importance of setting timelines for financial goals.
Mental Health Child Development Physical Fitness	Infotrak Public Affairs Program	Sunday 1/9/2022 8 am	30 minutes	Marie-Josee Harbec, PhD. Dr. Harbec led a study that found that boys who participate in sports in early childhood are less likely to experience depression and anxiety symptoms in middle childhood. She said 5-year-old boys who participated in any sport were more likely to be physically active at age 12. She also explained the differences the study found between boys and girls.
Mental Health Supply Chain Concerns & Consumer Matters	Infotrak Public Affairs Program	Sunday 1/16/2022 8 am	30 minutes	Carol Matthews, PhD. Symptoms of depression, anxiety, and obsessive-compulsive disorders have emerged or worsened for many during the pandemic. Dr. Mathews discussed what effect the lockdowns and subsequent supply chain disruptions have had on another common but often misunderstood problem—hoarding. She explained how to distinguish between hoarding, stockpiling and panic buying, and what constitutes normal behavior in an abnormal time.
Parenting & Children's Issues	Infotrak Public Affairs Program	Sunday 1/16/2022 8 am	30 minutes	Thomas Lickona, PhD. Dr. Lickona has led the character education movement in schools for 40 years. He outlined the tools parents need to foster peace and cooperation at home.
First Aid Emergency Preparedness & Personal Health	Infotrak Public Affairs Program	Sunday 1/23/2022 8 am	30 minutes	Dr. Christopher M. Smith, PhD. Automated external defibrillators might be increasingly available for use in the event of a cardiac arrest, but Dr. Smith led a study that found that they aren't being used nearly as much as they should be. He talked about the reasons that bystanders are reluctant to use AEDs and what government officials can do to help.

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Education & Career	Infotrak Public Affairs	Sunday 1/23/2022 8 am	30 minutes	Mary Norris. Discussed the most common mistakes in spelling, punctuation and word usage. She offered free online courses & other things parents can do to help their struggling kids with spelling errors.
Personal Health & Minority Concerns	Infotrak Public Affairs Program	Sunday 1/23/2022 8 am	30 minutes	Kevin Fiscella, MD. Dr. Fiscella discussed his groundbreaking research that found that the lives of nearly 8,000 black Americans could be saved each year if doctors could figure out a way to bring their average blood pressure down.
Crime & Personal Defense	Infotrak Public Affairs	Sunday 1/30/2022 8 am	30 minutes	Tim Larkin, self-defense expert. Tim led a discussion about the use of violence in self-defense situations. As America's leading Pro-Victim Rights and Personal Safety Advocate, Tim Larkin was named the 2011 Self Defense Instructor of the Year and simultaneously inducted into the Black Belt Hall Of Fame. Mr. Larkin explained ways to defend yourself in an ever-changing violent world.
Crime & Consumer Matters	Infotrak Public Affairs	Sunday 1/30/2022 8 am	30 minutes	Maria Konnikova, journalist & psychologist. She talked about the most common methods used by crooks to lure their victims. In her new book "The Confidence Game", Maria describes the tactics successful con artists use to get people to fall for their schemes & how to recognize them.
Bullying & Youth at Risk	Infotrak Public Affairs	Sunday 1/30/2022 8 am	30 minutes	Elizabeth Paluck, PhD. The Dr. found that the answer to bullying may not lie within the rules set by adults. Her research is concerned with the reduction of prejudice and conflict, including ethnic and political conflict, youth conflict in schools, and violence against women. She uses large-scale field experiments to test interventions that target individuals' perceived norms and behavior about conflict and tolerance, including mass media and peer-to-peer interventions.
Early Childhood Education & Poverty	Infotrak Public Affairs	Sunday 2/6/2022 8 am	30 minutes	Dale Clark Farran, PhD. Prof. Farran was the lead author of the first statewide randomized controlled trial that followed low-income students from pre-kindergarten through sixth grade, to determine the value of pre-K programs. She was shocked at the results, which found that by third and sixth grade, poor children who attended pre-K scored lower on math, reading and science achievement tests, and were more likely to have been expelled or suspended for disciplinary infractions.
Disaster Preparedness & Consumer Matters	Infotrak Public Affairs	Sunday 2/6/2022 8 am	30 minutes	Creek Stewart. The federal government urges Americans to have a sufficient supply of emergency food and water for at least three days. Mr. Stewart outlined simple and relatively inexpensive steps anyone can take to set up an emergency food and water supply. He also discussed plans to deal with the loss of power and heat. He also explained what should be in a 72-hour survival kit, for use if someone must leave their home in an emergency.
Pollution & The Environment	Infotrak Public Affairs	Sunday 2/6/2022 8 am	30 minutes	Aaron Packman, PhD. Prof. Packman led a study that found that microplastics can deposit and linger within riverbeds for as long as seven years before washing into the ocean. He outlined the sources of micro-plastics and explained the effect that this form of pollution has on wildlife, humans and the environment.
Aging & Personal Health	Infotrak Public Affairs	Sunday 2/13/2022 8 am	30 minutes	Dakota Witzel. Ms. Witzel was the lead author of a paper that found that dwelling on negative aspects of aging can have a measurable negative impact on a person's physical health and ability to respond to stress. She suggested ways to change thought patterns relating to getting older, to reduce stress.
Physical Fitness & Personal Health	Infotrak Public Affairs	Sunday 2/13/2022 8 am	30 minutes	Martin Gibala, PhD. Dr. Gibala talked about the value of high intensity workouts. He led a study that found that bursts of short but very intense exercise appear to be just as beneficial as traditional endurance training. He explained why this type of exercise works, and how it can be a good occasional substitute for a conventional workout.
Drug Addiction & Government Policies	Infotrak Public Affairs	Sunday 2/13/2022 8 am	30 minutes	Carl Erik Fisher, MD. An estimated 20 million Americans with substance abuse problems go without treatment. Dr. Fisher shared his assessment of the ongoing overdose crisis that claimed more than 100,000 American lives last year. He explained why he believes that calling addiction a disease is not helpful for recovery, and why he thinks the division between "good" drugs and "bad" drugs is overemphasized. He also said complete abstinence may not be the best treatment goal for many with drug or alcohol abuse.
Career & Mental Health	Infotrak Public Affairs	Sunday 2/13/2022 8 am	30 minutes	Madeleine Dore. Any given day brings a never-ending list of things to do, and even on productive days, the thing left undone can leave us feeling guilty, anxious, or disappointed. Ms. Dore outlined ways to avoid overly ambitious to-do lists and how to stop comparing ourselves to others.

Workplace Matters	Infotrak Public Affairs	Sunday 2/20/2022 8 am	30 minutes	Lori LaCivita, PhD. Ms. LaCivita outlined strategies for managers to build strong & effective teams with a diverse pool of employees. Lori emphasized that employees are at the core of every successful business. However, there is often so much emphasis on hiring "talented individuals" that understanding how these people will work effectively as a team often gets lost in the process.
Food Safety	Infotrak Public Affairs	Sunday 2/20/2022 8 am	30 minutes	Ted Labuza, PhD. A discussion on expiration dates on food labels. Ted estimated that approximately 80 % of dates printed on food packaging are approximate rather than exact dates as to when food should no longer be consumed. He said that over-reliance on these dates can prompt further food safety concerns. People should focus more on how they store food and less on how soon it should be used, he argued. It isn't true that past-date food is always unsafe to consume and, likewise, pre-date food isn't always safe to consume.
Teenage Concerns & Parenting	Infotrak Public Affairs	Sunday 2/27/2022 8 am	30 minutes	Sean Covey. Mr. Covey outlined what he believes are the six largest challenges faced by today's teens. He said the top challenge is dealing with the pressures of school. He also said parents have a far greater impact on their teens than they realize, much more than friends or others. He also explained why it is important for teens to learn to serve others, and to be willing to accept help from others, as well.
Mental & Physical Fitness	Infotrak Public Affairs	Sunday 2/27/2022 8 am	30 minutes	Carl Janney, PhD. The Doctor led a study that suggested that it may be wise for mental health providers to add exercise to their patients' treatment plans. Dr. Janney argued healthy exercise releases dopamine in the brain & tends to make you feel better during & after the workout.
Drunk Driving	Infotrak Public Affairs	Sunday 2/27/2022 8 am	30 minutes	Adam Barry, PhD. Dr. Barry conducted a study that found that two in five designated drivers had been drinking before getting behind the wheel and that 18% had blood-alcohol levels high enough to impair their driving skills. He outlined the potential reasons that designated driver education campaigns have been less than successful.
Parenting & Teenager Concerns	Infotrak Public Affairs	Sunday 3/6/2022 8 am	30 minutes	Roni Cohen-Sandler, PhD. Technology is transforming the way girls think of themselves, learn, develop social skills, and communicate with the people around them. Dr. Cohen-Sandler talked about the unprecedented changes faced by teens and their parents today. She offered suggestions to improve communication, particularly for a mother-daughter relationship. She said the current generation of teens is more sensitive and vulnerable than ever, about political and cultural trends such as the Me Too movement, Black Lives Matter and climate change.
Exercise & Personal Health	Infotrak Public Affairs	Sunday 3/6/2022 8 am	30 minutes	Annabel Streets. Ms. Streets shared cutting-edge research and advice on how to maximize the physical and psychological benefits of walking, whether it's in an urban area or through the woods. She explained why walking within an hour of waking increases the metabolic benefits, why humming as you walk boosts natural immunity and how owning a dog can make walking far less of a chore.
Child Poisoning & Consumer Matters	Infotrak Public Affairs	Sunday 3/6/2022 8 am	30 minutes	Cassandra Herring. In the wake of the pandemic, poison control centers across the country have been flooded with calls relating to children ingesting cleaning products and hand sanitizers. Ms. Herring explained the factors that have caused this disturbing trend, and outlined three tips to help parents keep kids safe from these products. She also recommended that parents save the National Poison Help number.
Social Security & Retirement Planning & Personal Finance	Infotrak Public Affairs	Sunday 3/13/2022 8 am	30 minutes	Lila Rabinovich. Fewer than 1 in 5 Americans have created an online "my Social Security" account to get a personalized estimate of their future retirement benefits. Ms. Rabinovich said most of the Social Security Administration's website users are either nearing retirement or are already collecting Social Security. She explained why it is important for younger workers get a good understanding now of their future retirement benefits.
Nutrition & Mental Health & Personal Health	Infotrak Public Affairs	Sunday 3/13/2022 8 am	30 minutes	Bonnie J. Kaplan PhD. Whether it's an airline passenger having a violent meltdown, a student disrupting a classroom, or abusive tweets aimed at someone with different political beliefs, signs of a meaner, angrier, and more violent America are everywhere. Dr. Kaplan said part of the answer lies in today's typical American diet. She said more than half of Americans' food intake consists of ultra-processed 'products' with virtually no micronutrient content, creating a lack of nourishment in our brains. She discussed the importance of a diet composed of a wide variety of real food, avoiding ultra-processed products.

Drunk Or Impaired Driving	Infotrak Public Affairs	Sunday 3/13/2022 8 am	30 minutes	Dr. Gonçalves led a study that found that two in five Americans who said they used alcohol and cannabis in the past year drove under the influence of one or both of the intoxicants. She said she hopes that identifying demographics that are at high risk for DUIs could assist in the development of better prevention strategies, and to make people more aware of the dangers.
Parenting & Mental Health	Infotrak Public Affairs	Sunday 3/20/2022 8 am	30 minutes	Amy Morin, PhD. With safe spaces and trigger warnings designed to "protect" kids, many adults worry that today's kids don't have the resilience to reach their greatest potential. Dr. Morin explained why she believes parents must strive to raise mentally strong and resilient children, and offered suggestions on how to do it.
Career & Economy	Infotrak Public Affairs	Sunday 3/20/2022 8 am	30 minutes	Marion McGovern. The world of work has changed dramatically in the past few years, as evidenced by tech companies such as Uber and Airbnb. Ms. McGovern noted that while most media attention is on the low end of the skill and income spectrum, little attention is being paid to the best-in-class professionals who have chosen an independent path.
Education, Poverty & Government Policies	Infotrak Public Affairs	Sunday 3/20/2022 8 am	30 minutes	Nadia Lopez. As part of a pilot program in New York City, Ms. Lopez started a middle-grade public school in one of America's poorest communities. She talked about the risks and challenges faced by students in a high crime, low-income neighborhood, and how she devised programs to address them.
Climate Change, Wildfires & Forest Management	Infotrak Public Affairs	Sunday 3/27/2022 8 am	30 minutes	Mark Harmon, PhD. Prof. Harmon recently led a study that showed the vast majority of carbon stored in trees before large wildfires was still there after the fires. He said the findings are an important step toward understanding the connection between wildfires and climate-change-inducing carbon emissions, and making wiser decisions about the carbon storage and emissions implications of forest management.
Addiction & Mental Health	Infotrak Public Affairs	Sunday 3/27/2022 8 am	30 minutes	Anna Lembke, MD. Americans are living in a time of unprecedented access to high-reward, high-dopamine stimuli: drugs, food, news, gambling, shopping, gaming, texting, sexting, Facebooking, tweeting and more. Dr. Lembke outlined new scientific discoveries that explain why the relentless pursuit of pleasure leads to pain, and what to do about it.
Pollution & The Environment	Infotrak Public Affairs	Sunday 3/27/2022 8 am	30 minutes	Andrew Gray, PhD. Prof. Gray led a recent study that found that most items in roadside litter typically originate less than two miles from where they're found, and unless humans remove them, most of these items will never leave the environment. He hopes the research will help cities to develop strategies to prevent plastic litter that eventually taints water and air.